

2012

Energy Statistics

Yearbook



2012 Energy Statistics Yearbook



United Nations
New York, 2015

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ST/ESA/STAT/SER.J/56

UNITED NATIONS PUBLICATION
Sales number: E.15.XVII.12 H

ISBN: 978-92-1-161599-9
eISBN: 978-92-1-057433-4
ISSN 0256-6400

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CONTENTS

	Page		
Introduction	vi	15. International trade of conventional crude oil (principal importers and exporters), 2011 and 2012.....	164
Abbreviations and symbols	viii	16. Refinery distillation capacity, throughput and output.....	168
Energy product definitions	ix	17. Production, trade and supply of liquefied Petroleum gases	180
Energy flow definitions	xvi	18. Production, trade and supply of motor gasoline	197
Capacities and other definitions.....	xviii	19. Production, trade and supply of other kerosene	215
General notes	xx	20. Production, trade and supply of jet fuels	230
Country notes.....	xxi	21. Production, trade and supply of Gas oil/diesel oil	247
Units of measurement and conversion	xxiii	22. Production, trade and supply of fuel oil	266
Conversion factors			
I. Net calorific values of energy products	xxiv	23. Production of other oil products from refineries – by type	282
II. Selected conversion factors for crude oil and oil products.....	xxxiv	24. Production of oil products from refineries – by type	292
TABLES			
Summary Tables			
1. Total energy supply – Petajoules	2	25. Production, trade and supply of oil products	303
2. Components of total energy supply – Petajoules and Gigajoules per capita.....	10	26. Production of natural gas liquid plants – by end use	322
3. Total final consumption and its components – Petajoules and Gigajoules per capita.....	46	 	
Solid Fuels			
4. Production, trade and supply of coal – thousand tons of coal equivalent	65	Gaseous fuels	
5. Production, trade and supply of hard coal.....	76	27. Production, trade and supply of natural gas	329
6. International trade of hard coal (principal importers and exporters), 2011 and 2012	88	28. International trade of natural gas (principal importers and exporters), 2011 and 2012	340
7. Production, trade and supply of brown coal and oil shale.....	92	29. Production of manufactured and recovered gases - by type	344
8. Production, trade and supply of coke	98	 	
9. Production, trade and supply of patent fuel.....	106	Electricity and heat	
10. Production, trade and supply of brown coal briquettes and peat products.....	109	30. Net installed capacity of electricity plants – by type.....	351
11. Production, trade and supply of peat.....	112	31. Utilization of installed electricity capacity – by type	387
12. Production of biofuels and wastes	115	32. Production of electricity – by type	422
Liquid fuels			
13. Production, trade and supply of conventional crude oil.....	148	33. Electricity supply and consumption	458
14. Production of additives and other hydrocarbons	160	34. Production of heat - by type.....	478
Nuclear fuels			
		35. Production of uranium (uranium content).....	487
Energy resources			
		36. Selected energy resources and reserves	489

FIGURES

	Page		
Total energy supply and final consumption			Liquid Fuels
1. Total energy supply by region, 1990	2	36. Conventional crude oil production by region, 1990-2012	148
2. Total energy supply by region, 2012	2	37. Conventional crude oil exports by region, 1990-2012	148
3. Total energy supply by region, 1990-2012	3	38. Production, trade and supply of conventional crude oil by region, 2012	149
4. Total per capita energy supply by region, selected years	10	39. Major crude oil producing countries, 2012	149
5. Production of solids by region, 2012	11	40. Major crude oil consuming countries, 2012	149
6. Production of liquids by region, 2012	11	41. Major additive producing countries, 2012	160
7. Production of gases by region, 2012	11	42. Major other hydrocarbon producing countries, 2012	160
8. Primary electricity production by region, 2012	11	43. Refinery distillation capacity, throughput and output, by region, 2012	168
9. World total final consumption by component, 2012	46	44. Total refinery distillation capacity by region, 1990-2012	169
10. Total final consumption by region, 1993-2012	46	45. World LPG production by region, 1990-2012	180
Solid Fuels		46. Major LPG producing countries, 2012	180
11. Production of coal by region, 1990-2012	65	47. Major LPG consuming countries, 2012	180
12. Hard coal production by region, 1990-2012	76	48. Production of motor gasoline by region, 1990-2012	197
13. Major hard coal producing countries, 2012	76	49. Major motor gasoline producing countries, 2012	197
14. Major hard coal consuming countries, 2012	76	50. Major motor gasoline consuming countries, 2012	197
15. Brown coal and oil shale production, 1990-2012	92	51. Production of other kerosene by region, 1990-2012	215
16. Major brown coal producing countries, 2012	92	52. Major other kerosene producing countries, 2012	215
17. Major brown coal consuming countries, 2012	92	53. Major other kerosene consuming countries, 2012	215
18. Per capita supply of coke by region, 2012	98	54. Production of jet fuels by region, 1990-2012	230
19. Major coke producing countries, 2012	98	55. Major jet fuel producing countries, 2012	230
20. Major coke consuming countries, 2012	98	56. Major jet fuel consuming countries, 2012	230
21. Major patent fuel producing countries, 2012	106	57. Production of gas/diesel oil by region, 1990-2012	247
22. Major patent fuel consuming countries, 2012 ...	106	58. Major gas/diesel oil producing countries, 2012	247
23. Production by region of BKB and peat products, 1990-2012	109	59. Major gas/diesel oil consuming countries, 2012	247
24. Major BKB and peat products producing countries, 2012	109	60. Production of fuel oil by region, 1990-2012	266
25. Major BKB and peat products consuming countries, 2012	109	61. Major fuel oil producing countries, 2012	266
26. World production of peat, 1990-2012	112	62. Major fuel oil consuming countries, 2012	266
27. Major peat producing countries, 2012	112	63. Production of other oil products from refineries, 2012	282
28. Major peat consuming countries, 2012	112	64. Production of selected oil products from refineries, 1990-2012	292
29. Fuelwood production by region, 1990-2012	116	65. Production of oil products by region, 1990-2012	303
30. Charcoal production by region, 1990-2012	116	66. Natural gas liquids production by region, 1990-2012	322
31. Primary solid biofuels production by region, 2012	117	67. World natural gas liquids production by type, 2012	322
32. Biogases production by region, 2012	117		
33. Bagasse production by region, 2012	117		
34. Liquid biofuels production by region, 2012	117		
35. Energy production from wastes by region, 2012	117		

Gaseous fuels

68. Production of natural gas by region, 1990-2012	329
69. Major natural gas producing countries, 2012	329
70. Major natural gas consuming countries, 2012 ..	329
71. Production of manufactured gases by region, 1990-2012	344
72. World production of manufactured and recovered gases by type, 2012	344

Electricity and Heat

73. Change in net installed capacity of electricity generating plants by region, 2010-2012	351
74. Utilization of installed electric generating capacity by region, 2012.....	387
75. World electricity generation by source, 1990-2012	422

76. World production of electricity by region, 2012.....	423
77. Major countries producing electricity from combustible fuels, 2012.....	423
78. Major countries producing hydro electricity, 2012.....	423
79. Major countries producing nuclear electricity, 2012.....	423
80. Major countries producing electricity from other sources, 2012.....	423
81. World electricity generation, 1990-2012	458
82. Major electricity producing countries, 2012	459
83. Major electricity consuming countries, 2012	459
84. Heat production by region, 1990-2012	478
85. Major heat producing countries, 2012	479
86. World heat production by type, 2012.....	479

Statistics compiled as of March 2015

INTRODUCTION

The *Energy Statistics Yearbook 2012* is a comprehensive collection of international energy statistics prepared by the United Nations Statistics Division. It is the fifty-sixth in a series of annual compilations which commenced under the title *World Energy Supplies in Selected Years, 1929-1950*.¹ It updates the statistical series shown in the previous issue, (with certain exceptions due to table updates described below). Supplementary series of monthly data on production of energy may be found in the *Monthly Bulletin of Statistics*.²

The principal objective of the *Yearbook* is to provide a global framework of comparable data on long-term trends in the supply of both primary and secondary forms of energy. Data for each energy product and aggregated data for the total energy supply are shown for individual countries and territories, and are summarized into regional and world totals. The data are compiled primarily from the annual energy questionnaire distributed by the United Nations Statistics Division and supplemented by official national statistical publications, as well as publications from international and regional organizations. Where official data are not available or are inconsistent, estimates are made by the Statistics Division based on governmental, professional or commercial materials. Estimates include, but are not limited to, extrapolated data based on partial year information, use of annual trends, trade data based on partner country reports, breakdowns of aggregated data and analysis of current energy events.

This issue of the *Yearbook* contains data in original and common energy units (tons of coal equivalent and joules) for the years 2009-2012.³

This is the first edition of the yearbook to show energy statistics consistent with the International Recommendations for Energy Statistics (IRES), which were endorsed by the United Nations Statistical Commission in 2011. IRES contains the Standard International Energy product Classification (SIEC), the first definitive standard classification for energy products. It has been built on a set of internationally harmonized definitions of energy products developed by the Intersecretariat

Working Group on Energy Statistics (InterEnerStat) as mandated by the United Nations Statistical Commission. The adoption of SIEC as an international standard classification for energy products represents a significant step forward for energy statistics at the international level. SIEC not only provides a unified set of product definitions, but also uses a standard coding scheme, a common hierarchy of categories, and provides links to other internationally agreed product classifications, such as the Central Product Classification (CPC) and the Harmonized Commodity Description and Coding System (HS).

In addition to these updates, the first three tables of the yearbook have changed their format:

- a) Table 1 now shows a more historical perspective of total energy supply, with data for selected years going back to 1990.
- b) Table 2 provides more detail on the components of total energy supply, namely primary production (broken down by type), trade, international bunkers and stock changes. Total energy supply is also shown on a per capita basis.
- c) Table 3 provides more detail on total final consumption of energy products, broken down by consuming sector (including non-energy use), and also shows total final consumption per capita.

Other tables have been revised to better reflect the definitions of energy products within SIEC and flows defined in IRES. See individual table notes for details.

Previous publications contained a table 4 which contrasted with the first three tables of the former publication in grouping together both “commercial” and “non-commercial” energy. This distinction assumed that energy products such as biomass are not bought and sold, but rather collected and consumed with no commercial transaction. While this can often be the case, this distinction is somewhat arbitrary and not necessarily relevant for measuring national or global energy use patterns. IRES therefore makes no distinction between commercial and non-commercial energy for presentational purposes (although they may of course be collected differently), and so they will be included together from this publication onwards.

¹ Statistical Papers, Series J, No. 1 (United Nations publication, Sales No. 1952.XVII.3).

² Statistical Papers, Series Q, *Monthly Bulletin of Statistics*, (United Nations publication).

³ Table 1 shows data back to 1990 to give a more historical perspective.

By referring to previous volumes of the publication, time series can be established from 1950 to the present for the shown products. In addition to the basic tables showing production, trade, stock changes, international bunkers, supply and consumption, information is included on various other topics such as:

(a) The principal importers and exporters of hard coal, crude oil and natural gas for the years 2011 and 2012;

(b) The capacity of oil refineries and electricity generating plants by type;

(c) The ratio of crude oil and natural gas liquids reserves to crude oil and natural gas liquids production (R/P ratio);

(d) The electricity generated from different sources (including both electricity-only and combined heat and power (CHP) plants) such as from combustible fuels, nuclear, hydro, wind, and solar;

(e) The heat produced (from both heat-only and CHP plants) from combustible fuels, geothermal, solar thermal, nuclear, chemical heat, heat pumps and electric boilers, and direct use of solar thermal and geothermal.

The information contained in the *Yearbook* is also available in electronic format.⁴ Requests for information should be directed to United Nations Publications at: order@un.org.

Acknowledgement is due to the following specialized and intergovernmental agencies whose publications have been utilized in supplementing our statistics: Food and Agriculture Organization of the United Nations (FAO), International Atomic Energy Agency (IAEA), International Energy Agency of the Organisation for Economic Co-operation and Development (IEA/OECD), International Sugar Organization (ISO), Organization of Arab Petroleum Exporting Countries (OAPEC), Organization of the Petroleum Exporting Countries (OPEC), Organización Latinoamericana de Energía (OLADE), Statistical Office of the European Union (Eurostat), World Energy Council (WEC). Acknowledgement is also made to governmental, energy and statistical authorities of the Member States which have been cooperative in providing data.

The annual energy data are being collected and processed by the Industrial and Energy Statistics Section of UNSD, headed by Mr. Ralf Becker. The processing of the energy data and preparation for publication was carried out by Mr. Leonardo Souza, Mr. Alexander Blackburn, Mr. Man Soni, Ms. Costanza Giovannelli, Ms. Peng Guo and Mr. Graham Osborn. The changes in table design and content were carried out also with the assistance of Mr. Harpal Shergill.

Enquiries, comments and suggestions for improving this publication are welcome and should be addressed to: energy_stat@un.org.

⁴ For details, see <http://unstats.un.org/unsd/energy/yearbook>

ABBREVIATIONS AND SYMBOLS

The following symbols and abbreviations have been used:

cSt	centistoke
m ³	cubic metre
°C	degree Celsius
GJ	gigajoule (10 ⁹ joules)
GWh	gigawatt-hour (10 ⁶ kWh)
IRES	International Recommendations for Energy Statistics
kcal	kilocalorie
kg	kilogramme
kg/cm ²	kilogramme per square centimetre
kJ	kilojoule (10 ³ joules)
kWh	kilowatt-hour
LPG	liquefied petroleum gas
mg/g	milligramme per gramme
MJ	megajoule (10 ⁶ joules)
MW	megawatt
NGL	natural gas liquids
PJ	petajoule (10 ¹⁵ joules)
t	metric ton
TCE	ton of coal equivalent
TJ	terajoule (10 ¹² joules)
*	estimate by the United Nations Statistics Division
..	data not applicable or not available

ENERGY PRODUCT DEFINITIONS

This section provides definitions of energy products utilized in the publication. These definitions correspond to SIEC and as such, some definitions have changed since the 2011 edition of the Yearbook. The nature of these definition changes is often cosmetic in nature, with wording differences outnumbering true methodological differences. However, some historical data have been revised to reflect changes in definition.

Some tables may include names or concepts not included in these product definitions. See the specific table's notes for how its product definitions relate to SIEC definitions.

SOLID FOSSIL FUELS

Hard coal – Coals with a gross calorific value (moist, ash-free basis) which is not less than 24 MJ/kg or which is less than 24 MJ/kg provided that the coal has a vitrinite mean random reflectance greater than or equal to 0.6 per cent. Hard coal comprises anthracite and bituminous coals.

Brown coal – Coals with a gross calorific value (moist, ash-free basis) less than 24 MJ/kg and a vitrinite mean random reflectance less than 0.6 per cent. Brown coal comprises sub-bituminous coal and lignite.

Peat – A solid fuel formed from the partial decomposition of dead vegetation under conditions of high humidity and limited air access (initial stage of coalification). It is available in two forms for use as a fuel, sod peat and milled peat. Only peat used as fuel is included.

Patent fuel – A composition fuel made by moulding hard coal fines into briquette shapes with the addition of a binding agent such as pitch.

Brown coal briquettes – A composition fuel made of brown coal produced by briquetting under high pressure with or without the addition of a binding agent. Either sub-bituminous coal or lignite may be used, including dried lignite fines and dust.

Peat products – This includes products such as peat briquettes derived directly or indirectly from sod peat and milled peat.

Coal coke – This group includes the solid,

cellular, infusible material remaining after the carbonisation of certain coals. Various cokes are defined according to the type of coal carbonised and their conditions of carbonisation or use: coke oven coke, gas coke, coke breeze and semi cokes. For collection purposes coke breeze and semi cokes are included with coke oven coke.

Coal tar – The liquid by-product of the carbonization of coal in coke ovens. Coal tar may be separated by distillation into several liquid products which may be used for pharmaceutical or wood preservative purposes.

Oil shale – A sedimentary rock which contains organic matter in the form of kerogen. Kerogen is a waxy hydrocarbon-rich material regarded as a precursor of petroleum. Oil shale may be burned directly or processed by heating to extract shale oil. Note that this product was formerly included under Lignite by the IEA.

LIQUID FOSSIL FUELS

Conventional crude oil – A mineral oil of fossil origin extracted by conventional means from underground reservoirs, and comprises liquid or near-liquid hydrocarbons and associated impurities such as sulphur and metals. Conventional crude oil exists in the liquid phase under normal surface temperature and pressure, and usually flows to the surface under the pressure of the reservoir. This is termed "conventional" extraction. Crude oil includes condensate from condensate fields, and "field" or "lease" condensate extracted with the crude oil.

The various crude oils may be classified according to their sulphur content ("sweet" or "sour") and API gravity ("heavy" or "light"). There are no rigorous specifications for the classifications but a heavy crude oil may be assumed to have an API gravity of less than 20° and a sweet crude oil may be assumed to have less than 0.5% sulphur content. For simplicity this publication often refers to conventional crude oil as simply crude oil.

Natural gas liquids (NGL) – Natural gas liquids are a mixture of ethane, propane, butane (normal and iso), (iso) pentane and a few higher alkanes collectively referred to as pentanes plus.

NGL are produced in association with oil or natural gas. They are removed in field facilities

or gas separation plants before sale of the gas. All of the components of NGL except ethane are either liquid at the surface or are liquefied for disposal.

The definition given above is the most commonly used. However, there is some use of terms based on the vapour pressure of the components which are liquid at the surface or can be easily liquefied. The three resulting groups are in order of increasing vapour pressure: condensates, natural gasoline and liquefied petroleum gas.

NGL may be distilled with crude oil in refineries, blended with refined oil products or used directly. NGL differs from LNG (liquefied natural gas) which is obtained by liquefying natural gas from which the NGL has been removed.

Additives and oxygenates – Compounds added to or blended with oil products to modify their properties (octane, cetane, cold properties, etc.). Examples are: (a) oxygenates such as alcohols (methanol, ethanol) and ethers [MTBE (methyl tertiary butyl ether), ETBE (ethyl tertiary butyl ether), TAME (tertiary amyl methyl ether)]; (b) esters (e.g., rapeseed or dimethylester, etc.); and (c) chemical compounds (such as TML, TEL and detergents). Some additives/oxygenates may be derived from biomass while others may be of fossil hydrocarbon origin.

Before the 2012 publication, additives and oxygenates were classified under Crude petroleum/Conventional crude oil.

Other hydrocarbons – This includes non-conventional oils and hydrogen. Non-conventional oils refer to oils obtained by non-conventional production techniques, that is oils which are extracted from reservoirs containing extra heavy oils or oil sands which need heating or treatment (e.g., emulsification) in situ before they can be brought to the surface for refining/processing. They also include the oils extracted from oil sands, extra heavy oils, coal and oil shale which are at, or can be brought to, the surface without treatment and require processing after mining (ex situ processing). Non-conventional oils may also be produced from natural gas.

The oils may be divided into two groups: (i) oils for transformation (e.g., synthetic crudes extracted from extra heavy oils, oil sands, coal and oil shale); and (ii) oils for direct use (e.g., emulsified oils such as orimulsion and GTL

liquids).

Before the 2012 publication, other hydrocarbons were classified under Crude petroleum/Conventional crude oil.

Oil products – Products obtained from crude oil, non-conventional oils or gases from oil and gas fields. They may be produced through the refining of conventional crude and non-conventional oils or during the separation of natural gas from gases extracted from oil or gas fields. This category includes Aviation gasoline, Motor gasoline, Gasoline-type jet fuel, Kerosene-type jet fuel, Other kerosene, Gas/diesel oil, Fuel oil, LPG, Feedstocks, Naphtha, White spirit and SBP, Lubricants, Bitumen, Paraffin waxes, Petroleum coke, refinery gas, Ethane, and Other oil products.

Aviation gasoline – Gasoline prepared especially for aviation piston engines with additives which assure performance under flight conditions. Aviation gasolines are predominantly alkylates (obtained by combining C4 and C5 isoparaffins with C3, C4 and C5 olefins) with the possible addition of more aromatic components including toluene. The distillation range is 25°C to 170°C..

Motor gasoline – A mixture of some aromatics (e.g., benzene and toluene) and aliphatic hydrocarbons in the C5 to C12 range. The distillation range is 25°C to 220°C.

Additives are blended to improve octane rating, improve combustion performance, reduce oxidation during storage, maintain cleanliness of the engine and improve capture of pollutants by catalytic converters in the exhaust system. Motor gasoline may also contain biogasoline products when blended.

Gasoline-type jet fuel – Light hydrocarbons for use in aviation turbine power units, distilling between 100°C and 250°C. They are obtained by blending kerosene and gasoline or naphtha in such a way that the aromatic content does not exceed 25 per cent in volume, and the vapour pressure is between 13.7 kPa and 20.6 kPa. Gasoline-type jet fuel is also known as “aviation turbine fuel”.

Kerosene :-Mixtures of hydrocarbons in the range C9 to C16 and distilling over the temperature interval 145°C to 300°C, but not usually above 250°C and with a flash point above 38°C.

The chemical compositions of kerosenes

depend on the nature of the crude oils from which they are derived and the refinery processes that they have undergone. Kerosenes obtained from crude oil by atmospheric distillation are known as straight-run kerosenes. Such streams may be treated by a variety of processes to produce kerosenes that are acceptable for blending as jet fuels. Kerosenes are primarily used as jet fuels. They are also used as domestic heating and cooking fuels, and as solvents. Kerosenes may include components or additives derived from biomass when blended.

Kerosene-type jet fuel – A blend of kerosenes suited to flight conditions with particular specifications, such as freezing point.

The specifications are set down by a small number of national standards committees, most notably ASTM (U.S.), MOD (UK), GOST (Russia).

Other kerosene – Kerosene which is used for heating, cooking, lighting, solvents and internal combustion engines. Other names for this product are burning oil, vaporizing oil, power kerosene and illuminating oil.

Gas oil/diesel oil – Gas oils are middle distillates, predominantly of carbon number range C11 to C25 and with a distillation range of 160°C to 420°C. The principal marketed products are fuels for diesel engines (diesel oil), heating oils and marine fuel. Gas oils are also used as middle distillate feedstock for the petrochemical industry and as solvents. Also included here is heavy gasoil, which is a mixture of predominantly gas oil and fuel oil which distills in the range of approximately 380°C to 540°C.

Fuel oil – Comprises residual fuel oil and heavy fuel oil. Residual fuel oils have a distillation range of 350°C to 650°C and a kinematic viscosity in the range 6 to 55 cSt at 100°C. Their flash point is always above 60°C and their specific gravity is above 0.95. Heavy fuel oil is a general term describing a blended product based on the residues from various refinery processes. Other names commonly used to describe fuel oil include: bunker fuel, bunker C, fuel oil No. 6, industrial fuel oil, marine fuel oil and black oil.

Residual and heavy fuel oil are used in medium to large industrial plants, marine applications and power stations in combustion equipment such as boilers, furnaces and diesel engines. Residual fuel oil is also used as fuel

within the refinery.

Liquefied petroleum gases (LPG) – LPG refers to liquefied propane (C₃H₈) and butane (C₄H₁₀) or mixtures of both. Commercial grades are usually mixtures of the gases with small amounts of propylene, butylene, isobutene and isobutylene stored under pressure in containers.

The mixture of propane and butane used varies according to purpose and season of the year. The gases may be extracted from natural gas at gas separation plants or at plants regasifying imported liquefied natural gas. They are also obtained during the refining of crude oil. LPG may be used for heating and as a vehicle fuel.

See also the definition for natural gas liquids. Certain oil field practices also use the term LPG to describe the high vapour pressure components of natural gas liquids.

Ethane – A naturally straight-chain hydrocarbon (C₂H₆). Ethane is obtained at gas separation plants or from the refining of crude oil. It is a valuable feedstock for petrochemical manufacture.

Refinery gas – Includes a mixture of non-condensable gases mainly consisting of hydrogen, methane, ethane and olefins obtained during distillation of crude oil or treatment of oil products (e.g., cracking) in refineries or from nearby petrochemical plants. It is used mainly as a fuel within the refinery.

Feedstocks – This division includes refinery feedstocks, i.e. oils or gases from crude oil refining or the processing of hydrocarbons in the petrochemical industry which are destined for further processing in the refinery excluding blending. Typical feedstocks include naphthas, middle distillates, pyrolysis gasoline and heavy oils from vacuum distillation and petrochemical plants.

Naphtha – Light or medium oils distilling between 30°C and 210°C which do not meet the specification for motor gasoline. Different naphthas are distinguished by their density and the content of paraffins, isoparaffins, olefins, naphthenes and aromatics. The main uses for naphthas are as feedstock for high octane gasolines and the manufacture of olefins in the petrochemical industry.

White spirit and SBP industrial spirits – White spirit and special boiling point industrial

spirits (SBP) are refined distillate intermediates with a distillation in the naphtha/kerosene range. They are mainly used for non-fuel purposes and sub-divided as: (a) white spirit - an industrial spirit with a flash point above 30°C and a distillation range of 135°C to 200°C; and (b) industrial spirit (SBP) - light oils distilling between 30°C and 200°C.

There are 7 or 8 grades of industrial spirits, depending on the position of the cut in the distillation range. The grades are defined according to the temperature difference between the 5 per cent and 90 per cent volume distillation points (which is not more than 60°C). White spirit and Industrial spirits are mostly used as thinners and solvents.

Lubricants – Oils, produced from crude oil, for which the principal use is to reduce friction between sliding surfaces and during metal cutting operations.

Lubricant base stocks are obtained from vacuum distillates which result from further distillation of the residue from atmospheric distillation of crude oil. The lubricant base stocks are then further processed to produce lubricants with the desired properties.

Bitumen – A solid, semi-solid or viscous hydrocarbon with a colloidal structure, being brown to black in color. It is obtained as a residue in the distillation of crude oil and by vacuum distillation of oil residues from atmospheric distillation. It should not be confused with the non-conventional primary extra heavy oils which may also be referred to as bitumen.

In addition to its major use for road pavements, bitumen is also used as an adhesive, a waterproofing agent for roof coverings and as a binder in the manufacture of patent fuel. It may also be used for electricity generation in specially designed power plants.

Bitumen is also known in some countries as asphalt but in others asphalt describes the mixture of bitumen and stone aggregate used for road pavements.

Paraffin waxes – Residues extracted when dewaxing lubricant oils. The waxes have a crystalline structure which varies in fineness according to the grade, and are colourless, odourless and translucent, with a melting point above 45°C.

Paraffin waxes are also known as

“petroleum waxes”.

Petroleum coke – Petroleum coke is a black solid obtained mainly by cracking and carbonizing heavy hydrocarbon oils, tars and pitches. It consists mainly of carbon (90 to 95 per cent) and has a low ash content.

The two most important categories are “green coke” and “calcined coke”.

Green coke (raw coke) is the primary solid carbonization product from high boiling hydrocarbon fractions obtained at temperatures below 630°C. It contains 4-15 per cent by weight of matter that can be released as volatiles during subsequent heat treatment at temperatures up to approximately 1330°C.

Calcined coke is a petroleum coke or coal-derived pitch coke obtained by heat treatment of green coke to about 1330°C. It will normally have a hydrogen content of less than 0.1 per cent by weight.

In many catalytic operations (e.g., catalytic cracking) carbon or catalytic coke is deposited on the catalyst, thus deactivating it. The catalyst is reactivated by burning off the coke which is used as a fuel in the refining process. The coke is not recoverable in a concentrated form.

Other oil products – Products (including partly refined products) from the refining of crude oil and feedstocks which are not specified above. These products will include basic chemicals and organic chemicals destined for use within the refinery or for sale to or processing in the chemical industry such as propylene, benzene, toluene and xylene.

GASEOUS FOSSIL FUELS

Natural gas – A mixture of gaseous hydrocarbons, primarily methane, but generally also including ethane, propane and higher hydrocarbons in much smaller amounts and some non-combustible gases such as nitrogen and carbon dioxide.

The majority of natural gas is separated from both “non-associated” gas originating from fields producing hydrocarbons only in gaseous form, and “associated” gas produced in association with crude oil.

The separation process produces natural gas by removing or reducing the hydrocarbons other than methane to levels which are

acceptable in the marketable gas. The natural gas liquids (NGL) removed in the process are distributed separately.

Natural gas also includes methane recovered from coal mines (colliery gas) or from coal seams (coal seam gas) and shale gas. When distributed it may also contain methane from anaerobic fermentation or the methanation of biomass.

Natural gas may be liquefied (LNG) by reducing its temperature in order to simplify storage and transportation when production sites are remote from centres of consumption and pipeline transportation is not economically practicable.

Gas works gas (and other manufactured gases for distribution) – This includes gases obtained from the carbonisation or gasification of carbonaceous material of fossil or biomass origins in Gas Works. The gases comprise: (a) gases obtained from carbonisation or gasification of coals, cokes, biomass or waste; and (b) substitute natural gas (a methane-rich gas) made from synthesis gas.

Synthesis gas is a mixture of mainly hydrogen and carbon monoxide obtained by cracking hydrocarbons with high temperature steam.

Coke oven gas – A gas produced from coke ovens during the manufacture of coke oven coke.

Blast furnace gas – The by-product gas of blast furnace operation consisting mainly of nitrogen, carbon dioxide and carbon monoxide.

The gas is recovered as it leaves the furnace. Its calorific value arises mainly from the carbon monoxide produced by the partial combustion of coke and other carbon bearing products in the blast furnace. It is used to heat blast air and as a fuel in the iron and steel industry. It may also be used by other nearby industrial plants. Note that where carbonised biomass (e.g. charcoal or animal meal) is used in blast furnaces, part of the carbon supply may be considered renewable.

Other recovered gases - Combustible gases of solid carbonaceous origin recovered from manufacturing and chemical processes not elsewhere defined. Examples of fuel gas production from metals and chemicals processing are in the production of zinc, tin, lead, ferroalloys, phosphorus and silicon carbide.

BIOFUELS AND WASTE

Fuelwood, wood residues and by-products – Fuelwood or firewood (in log, brushwood, pellet or chip form) obtained from natural or managed forests or isolated trees. Also included are wood residues used as fuel and in which the original composition of wood is retained. Charcoal and black liquor are excluded.

Bagasse – The fuel obtained from the fibre which remains after juice extraction in sugar cane processing. It is often used as a fuel within the sugar milling industry.

Charcoal – The solid residue from the carbonisation of wood or other vegetal matter through slow pyrolysis.

Animal waste – Excreta of animals, meat and fish residues which, when dry, are used directly as a fuel.

This excludes waste used in anaerobic fermentation plants. Fuel gases from these plants are included under biogases.

Vegetal waste – Refers to SIEC's 'Other vegetal materials and residues', which are solid primary biofuels not specified elsewhere, including straw, vegetable husks, ground nut shells, pruning brushwood, olive pomace and other wastes arising from the maintenance, cropping and processing of plants.

Municipal waste – Household waste and waste from companies and public services that resembles household waste and which is collected at installations specifically designed for the disposal of mixed wastes with recovery of combustible liquids, gases or heat.

Municipal wastes can be divided into renewable and non-renewable fractions.

Industrial waste – Non-renewable waste which is combusted with heat recovery in plants other than those used for the incineration of municipal waste.

Examples are used tires, specific residues from the chemical industry and hazardous wastes from health care. Combustion includes co-firing with other fuels.

The renewable portions of industrial waste combusted with heat recovery are classified according to the biofuels which best describe them.

Black liquor – The alkaline-spent liquor obtained from the digesters during the production of sulphate or soda pulp required for paper manufacture. The lignin contained in the liquor burns to release heat when the concentrated liquor is sprayed into a recovery furnace and heated with hot gases at 900°C. Black liquor is used as a fuel in the pulping process.

Biogasoline – Liquid fuels derived from biomass and used in spark-ignition internal combustion engines.

Common examples are: bioethanol (including both hydrous and anhydrous ethanol); biomethanol; biobutanol; bio ETBE (ethyl-tertio-butyl-ether); and bio MTBE (methyl-tertio-butyl-ether). Biogasoline may be blended with petroleum gasoline or used directly in engines. The blending may take place in refineries or at or near the point of sale.

Biodiesels – Liquid biofuels derived from biomass and used in diesel engines.

Biodiesels obtained by chemical modification are a linear alkyl ester made by transesterification of vegetable oils or animal fats with methanol. The transesterification distinguishes biodiesel from straight vegetable and waste oils. Biodiesel has a flash point of around 150°C and a density of about 0.88 kg/litre. Biological sources of biodiesel include, but are not limited to, vegetable oils made from canola (rapeseed), soybeans, corn, oil palm, peanut or sunflower. Some liquid biofuels (straight vegetable oils) may be used without chemical modification and their use usually requires modification of the engine.

A further category of diesel fuels can be produced by a range of thermal processes (including for example gasification followed by Fischer Tropsch synthesis, pyrolysis followed by hydrogenation, or conversion of sugar to hydrocarbons using microorganisms (e.g. yeast)). A wide range of biomass feedstocks, including cellulosic materials and algal biomass could be used in such processes.

Biodiesels may be blended with petroleum diesel or used directly in diesel engines.

Bio jet kerosene – Liquid biofuels derived from biomass and blended with or replacing jet kerosene. Bio jet kerosene can be produced by a range of thermal processes (including for example gasification followed by Fischer-Tropsch synthesis, pyrolysis followed by

hydrogenation, or conversion of sugar to hydrocarbons using microorganisms (e.g. yeast). A wide range of biomass feedstocks, including cellulosic materials and algal biomass could be used in such processes.

Other liquid biofuels – Includes liquid biofuels not elsewhere specified.

Biogases – Gases arising from the anaerobic fermentation of biomass and the gasification of solid biomass (including biomass in wastes).

The biogases from anaerobic fermentation are composed principally of methane and carbon dioxide and comprise landfill gas, sewage sludge gas and other biogases from anaerobic fermentation.

Biogases can also be produced from thermal processes (by gasification or pyrolysis) of biomass and are mixtures containing hydrogen and carbon monoxide (usually known as syngas) along with other components. These gases may be further processed to modify their composition and can be further processed to produce substitute natural gas.

The gases are divided into two groups according to their production: biogases from anaerobic fermentation and biogases from thermal processes.

Biogases are used mainly as a fuel but can be used as a chemical feedstock.

ELECTRICITY AND HEAT

Electricity – The transfer of energy through the physical phenomena involving electric charges and their effects when at rest and in motion.

Electricity can be generated through different processes such as: the conversion of energy contained in falling or streaming water, wind or waves; the direct conversion of solar radiation through photovoltaic processes in semiconductor devices (solar cells); or by the combustion of fuels.

Electricity production in this Yearbook refers to gross production, which is the sum of the electrical energy production by all the generating units/installations concerned (including pumped storage) measured at the output terminals of the main generators.

Editorial note: for this 2012 edition of the Yearbook, Table 1 has changed in scope as described in the introduction. The total energy supply figure is now consistent with energy balances as defined within IRES and published in the *Energy Balances* and *Electricity Profiles*⁵ that are complementary to this publication. As such, see the changes in presentation for electricity from non-combustible fuels described below under General Notes.

Primary electricity refers to electrical energy from hydro, solar photovoltaics, wind, tide, wave and ocean sources.

Secondary electricity is defined as electricity derived from a product already accounted for within energy statistics. This includes electricity generated from combustible fuels, in addition to electricity coming from solar heat, nuclear heat, geothermal heat and heat from chemical sources.

Main activity producers – These are enterprises which produce electricity or heat as their principal activity. Formerly known as public utilities, these enterprises may be privately or publicly owned companies.

Autoproducers (electricity) – These are enterprises which produce electricity but for whom the production is not their principal activity.

Autoproducers (heat) – These are enterprises which produce heat for sale but for whom the production is not their principal activity. Deliveries of fuels for heat generated by an establishment for its own purposes are classified within the part of final consumption where they are consumed, and not as transformation inputs.

Heat – The energy obtained from the translational, rotational and vibrational motion of the constituents of matter, as well as changes in its physical state.

Heat can be produced by different production processes, both primary and secondary. It is usually sold in the form of steam or hot water, and for the purposes of energy statistics it is important to note that heat only represents quantities of energy for sale (or generated and consumed directly by direct use of solar thermal or geothermal). This means that any quantities “generated” at an end-use site (for example through the combustion of coal to power a boiler, or an electric filament heating a kettle) are not considered within the scope of heat production.

In Tables 1 and 2, which follow energy balance methodology, the heat column includes primary heat from sources such as nuclear, solar thermal and geothermal which are used to generate electricity. These quantities are not taken into account in Table 34.

Uranium production – Comprises the U content of uranium ores and concentrates intended for treatment for uranium recovery.

⁵ Statistical Papers, Series W (United Nations publication).

ENERGY FLOW DEFINITIONS

Production is defined as the capture, extraction or manufacture of fuels or energy in forms which are ready for general use. In energy statistics, two types of production are distinguished, primary and secondary.

Primary production is the capture or extraction of fuels or energy from natural energy flows, the biosphere and natural reserves of fossil fuels within the national territory in a form suitable for use. Inert matter removed from the extracted fuels and quantities reinjected, flared or vented are not included. The resulting products are referred to as "primary" products.

Secondary production is the manufacture of energy products through the process of transformation of primary fuels or energy. The quantities of secondary fuels reported as production include quantities lost through venting and flaring during and after production. In this manner, the mass, energy and carbon within the primary source(s) from which the fuels are manufactured may be balanced against the secondary fuels produced. Fuels, electricity and heat produced are usually sold but may be partly or entirely consumed by the producer (but see the definition of autoproducer heat plants for an important exception.)

When considering complete energy balances (such as in Table 1, where total energy supply is displayed), or indeed adding together a mix of primary and secondary fuels (like Table 4), the distinction between primary and secondary production is crucial. Within a complete energy balance (or a coal table showing both primary and secondary energy), only primary energy is shown to avoid double counting of quantities transformed into secondary products. For the product-specific tables however, this distinction is not necessary as double counting does not apply, and so primary and/or secondary production is included under production to give a complete idea of the "supply" of that product. See individual table notes for details.

Imports of energy products comprise all fuel and other energy products entering the national territory. Goods simply being transported through a country (goods in transit) and goods temporarily admitted are excluded but re-imports, which are domestic goods exported but subsequently readmitted, are included. The bunkering of fuel outside the

reference territory by national merchant ships and civil aircraft engaged in international travel is excluded from imports. Fuels delivered to national merchant ships and civil aircraft which are outside of the national territory and are engaged in international travel should be classified as "International Marine" or "Aviation Bunkers", respectively, in the country where such bunkering is carried out. Note that the "country of origin" of energy products should be recorded as a country from which goods were imported.

Exports of energy products comprise all fuel and other energy products leaving the national territory with the exception that exports exclude quantities of fuels delivered for use by merchant (including passenger) ships and civil aircraft, of all nationalities, during international transport of goods and passengers. Goods simply being transported through a country (goods in transit) and goods temporarily withdrawn are excluded but re-exports, foreign goods exported in the same state as previously imported, are included. Fuels delivered to foreign merchant ships and civil aircraft engaged in international travel are classified as "International Marine" or "Aviation Bunkers", respectively. Note that "country of destination" of energy products (that is country of the last known destination as it is known at the time of exportation) should be recorded as a country to which these products are exported to.

For electricity, trade data include "goods in transit", i.e. electricity transmitted through the country from one neighbour to another, as there is no practical way of discerning which quantities are re-exported and which are consumed by the transit country.

International Marine Bunkers are quantities of fuels delivered to merchant (including passenger) ships, of any nationality, for consumption during international voyages transporting goods or passengers. International voyages take place when the ports of departure and arrival are in different national territories. Fuels delivered for consumption by ships during domestic transportation, fishing or military uses are not included here. For the purposes of energy statistics International Marine Bunkers are not included in exports.

International Aviation Bunkers are quantities of fuels delivered to civil aircraft, of any nationality, for consumption during

international flights transporting goods or passengers. International flights take place when the ports of departure and arrival are in different national territories. Fuels delivered for consumption by aircraft undertaking domestic or military flights are not included here. For the purposes of energy statistics International Aviation Bunkers are not included in exports.

Stocks – For the purposes of energy statistics, stocks are quantities of energy products that are held on the national territory and can be used to: (a) maintain service under conditions where supply and demand are variable in their timing or amount due to normal market fluctuations, or (b) supplement supply in the case of a supply disruption. Stocks used to manage a supply disruption may be called "strategic" or "emergency" stocks and are often held separately from stocks designed to meet normal market fluctuations. **Stock changes** are defined as the increase (stock build) or decrease (stock draw) in the quantity of stock over the reporting period and are thus calculated as the difference between the closing and opening stocks.

Energy supply – is defined as energy production plus imports minus exports minus international marine bunkers minus international aviation bunkers minus stock changes. Depending on the table in this Yearbook, production can refer to either primary, secondary, or both primary and secondary production (see the note under production above).

Energy industries own use refers to consumption of fuels and energy for the direct support of the production, and preparation for use of fuels and energy. Quantities of fuels which are transformed into other fuels or energy are not included here but within the transformation use. Neither are quantities which are used within parts of the energy industry not directly involved in the activities listed in the definition. These quantities are reported within final consumption.

Final Consumption refers to all fuel and energy that is delivered to users for both their energy and non-energy uses which do not involve a transformation process.

CAPACITIES AND OTHER DEFINITIONS

CAPACITIES

Refinery capacity is the theoretical maximum capacity of crude oil refineries available for operation at the end of the reference year.

Net maximum electrical capacity is the maximum active power that can be supplied continuously, with all plants running, at the point of outlet (i.e., after taking the power supplies for the station auxiliaries and allowing for the losses in those transformers considered integral to the station). This assumes no restriction of interconnection to the network. Does not include overload capacity that can only be sustained for a short period of time (e.g., internal combustion engines momentarily running above their rated capacity). The net maximum electricity-generating capacity represents the sum of all individual plants' maximum capacities available to run continuously throughout a prolonged period of operation in a day.

ENERGY RESOURCES AND RESERVES⁶

Hard Coal, Brown coal and Peat

Proved amount in place is the resource remaining in known deposits that has been carefully measured and assessed as exploitable under present and expected local economic conditions with existing available technology.

Proved recoverable reserves are the tonnage within the proved amount in place that can be recovered in the future under present and expected local economic conditions with existing available technology

Estimated additional amount in place is the indicated and inferred tonnage additional to the proved amount in place that is of foreseeable economic interest. It includes estimates of amounts which could exist in unexplored extensions of known deposits or in undiscovered deposits in known coal-bearing areas, as well as amounts inferred through knowledge of favourable geological conditions. Speculative amounts are not included.

Crude Oil and Natural Gas Liquids

Proved recoverable reserves are the quantity within the proved amount in place that can be recovered in the future under present and expected local economic conditions with existing available technology. Proved amount in place is the resource remaining in known natural reservoirs that has been carefully measured and assessed as exploitable under present and expected local economic conditions with existing available technology.

The **ratio of crude oil reserves to production (R/P ratio)** is used to show the length of time those reserves would last in years if production continued at the then-current level and there were no further increases in the proved recoverable reserves. The ratio is calculated by dividing the proved recoverable crude oil and NGL reserves (which for the most part refer to reserves at the end of 2013) by the production. These R/P ratios should be viewed with caution. The definition used for proved recoverable reserves is very restrictive and confined to those known reserves which can be recovered with reasonable certainty under existing economic conditions. The R/P ratios, therefore, can frequently give a very pessimistic impression of the expected life of a country's reserves. In addition, for some of those countries whose R/P ratios appear very large, it can reasonably be assumed that the figures for proved recoverable reserves include some unproved reserves.

Oil Shale and Bituminous Sands

Proved recoverable reserves are the amount, expressed as tonnage of recoverable synthetic oil that has been both carefully measured and has also been assessed as exploitable under present and expected local economic conditions with existing available technology.

Natural Gas

Proved recoverable reserves are the volume within the proved amount in place that can be recovered in the future under present and expected local economic conditions with existing available technology.

⁶ *World Energy Resources - 2013 Survey*.
World Energy Council (WEC)

Uranium

Reasonably assured resources refer to recoverable uranium that occurs in known mineral deposits of delineated size, grade and configuration such that the quantities which could be recovered within the given production cost ranges with currently proven mining and processing technology can be specified. Estimates of tonnage and grade are based on specific sample data and measurements of the deposits and on knowledge of deposit characteristics.

Inferred Resources refer to recoverable uranium (in addition to reasonably assured resources) that is inferred to occur, based on direct geological evidence, in extensions of

well-explored deposits and in deposits in which geological continuity has been established, but where specific data and measurements of the deposits and knowledge of their characteristics are considered to be inadequate to classify the resource as reasonably assured resources.

Hydropower

Gross theoretical capability is the annual energy potentially available in the country if all natural flows were turbinized down to sea level or to the water level of the border of the country (if the water course extends into another country) with 100% efficiency from the machinery and driving water-works. Unless otherwise stated, the figures have been estimated on the basis of atmospheric precipitation and water runoff.

GENERAL NOTES

Calculation of primary energy equivalent for electricity and heat

As mentioned previously, the 2012 publication now treats electricity and heat consistently with IRES energy balances. Notably, this leads to the following notional efficiencies applying to electricity and heat generation (to back calculate the primary energy):

- 100% for electricity from hydro, wind, tide, wave, ocean and solar PV;
- 33% for electricity from nuclear heat or solar thermal;
- 100% for solar thermal heat;
- 50% for heat produced from geothermal heat;
- 10% for electricity from geothermal heat.

Consumption

From this edition onwards, consumption throughout the *Yearbook* is defined consistently with the definition of final consumption in IRES, namely the sum of flows reflecting energy consumption by energy consumers, as well as non-energy use of energy products. As such, the publication should no longer have the same issues with negative consumption figures that previous versions did, when consumption was calculated based on supply flows and as such negative figures could appear for countries that exported secondary products.

Negative Supply

Negative supply can represent a residual or statistical difference between production and exports when a particular product is mainly exported, or when a transferred product is subsequently exported.

Time Period

The period to which the data refer is the

calendar year, with the exception of the data of the following countries which refer to the fiscal year:

Afghanistan and Iran (Islamic Rep. of) - beginning 21 March of the year stated;

Australia, Bangladesh, Bhutan, Egypt (for the latter two, electricity only), Nepal - ending June of the year stated;

Pakistan - starting July of the year stated

India, Myanmar and New Zealand - beginning April of the year stated.

Trade data

Figures displayed for international trade by partner country in Tables 7, 15 and 29 are based on data from the International Energy Agency (when concerning OECD-member countries) and from the United Nations Statistics Division COMTRADE (Commodity Trade Statistics). For this reason, the totals (either export to the world or import from the world) may differ from the figures given in other tables.

Per Capita Data

Data on a *per capita* basis use population data from the United Nations Population Division as a denominator. These indicators may sometimes show differences for certain years compared to previous versions of this publication, due to revisions made by the Population Division rather than changes to the underlying energy data.

Coverage

As the new version of Table 1 now contains data back to 1990, data for former countries such as the Union of Soviet Socialist Republics, and older versions of countries such as Ethiopia which have since had territories split from them.

COUNTRY NOTES

Australia – Data exclude the overseas territories.

China – Data exclude Hong Kong and Macao Special Administrative Regions (Hong Kong SAR and Macao SAR) and Taiwan Province. Data for other kerosene include kerosene-type jet fuel.

China, Hong Kong SAR – Data on kerosene-type jet fuel include aviation gasoline and other kerosene.

China, Macao SAR – For confidentiality reasons, data on coal and coal products, jet fuel, petroleum coke and other petroleum products (2009-2012), stock changes of other kerosene (2010-12), exports of charcoal (2009-2012), and data on fuelwood (2010-2012) are not available.

Czechoslovakia – prior to 1993, refers to the former Czechoslovakia composed of the Czech Republic and Slovakia.

Denmark – Data exclude Greenland and the Danish Faroes.

France – Data include Monaco, and exclude the following overseas departments and territories: Guadeloupe, Guyana, Martinique, New Caledonia, French Polynesia, Reunion, and St.-Pierre and Miquelon.

Germany – Through the accession of the **German Democratic Republic** to the **Federal Republic of Germany** with effect from 3 October 1990, the two German States united to form one sovereign state. Data for 1990 are shown separately for the former states.

Greenland – Data for kerosene-type jet fuel include other kerosene.

Indonesia – Data include Timor-Leste until 2001.

Italy – Data include San Marino and the Holy See.

Japan – Data include Okinawa.

Kuwait – The data for crude oil production include 50 per cent of the output of the Neutral Zone.

Madagascar – Data for bitumen include petroleum coke.

Netherlands – Data exclude Suriname and the Netherlands Antilles.

Netherlands Antilles – This country was dissolved on 10 October 2010, resulting in two new constituent countries, Curaçao and Saint Maarten, with the other islands joining the Netherlands. Since detailed information is not available, data refer to the former territory of the Netherlands Antilles as it was known prior to 10 October 2010, comprising Bonaire, Curaçao, Saba, St. Eustatius and the Dutch part of St. Martin.

Pacific Islands – Until 1991, Trust Territory comprising Federated States of Micronesia, Marshall Islands, Northern Mariana Islands and Palau.

Portugal – Data include the Azores and Madeira.

Saudi Arabia – Data for crude oil production include 50 per cent of the output of the Neutral Zone.

Serbia – Data exclude Kosovo from 2000 onwards.

Spain – Data include the Canary Islands.

Sudan – South Sudan became an independent state on 9 July 2011. However, due to lack of information this country represents the whole territory of Sudan as it was on 1 January 2011.

Switzerland – Data include Liechtenstein for oil statistics.

Ukraine – For confidentiality reasons, data on the following products (mainly on production) may not be available or may be included with other products: lignite (included with peat), patent fuel (included with peat briquettes), aviation gasoline, kerosene-type jet fuel, other kerosene, petroleum coke, paraffin waxes and white spirit (the latter three included with other oil products).

Union of Soviet Socialist Republics – Referred to as USSR, comprised up to 1990 Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Republic of Moldova, Russian Federation, Tajikistan, Turkmenistan, Ukraine and Uzbekistan.

United Kingdom – Shipments of coal and oil to Jersey, Guernsey and the Isle of Man from the United Kingdom are not classed as exports. Supplies of coal and oil to these islands are, therefore, included as part of UK supply. Exports of natural gas to the Isle of Man are included with the exports to Ireland.

United States – Includes the 50 states and the District of Columbia. Oil statistics as well as coal trade statistics also include Puerto Rico, Guam, the U.S. Virgin Islands, American Samoa, Johnston Atoll, Midway Islands, Wake Island and the Northern Mariana Islands.

Yemen – On 22 May 1990 **Democratic Yemen** and **Yemen Arab Republic** merged to form a single State. Since that date they have been represented as one Member with the name 'Yemen'. Data for 1990 are shown separately for the former states.

Yugoslavia – Data until 1991 refer to the former Socialist Federal Republic of Yugoslavia, namely Bosnia and Herzegovina, Croatia, The Former Yugoslav Republic of Macedonia, Montenegro, Slovenia and Serbia (including Kosovo).

UNITS OF MEASUREMENT AND CONVERSION

Metric units of measurement are used throughout the *Yearbook*. The following tables provide the necessary factors for converting energy data from one measurement system (mass, volume or heat) to another. Unless otherwise stated in the Table Notes, in the case of solid fuels, liquid fuels and gases, the conversions are based on the net calorific value.

The comparison between different fuels is presented in metric tons of coal equivalent (TCE, Table 5), and terajoules (Tables 1, 2, 3 and 12) on the basis of the heat energy which may be obtained from each of them. One TCE is defined as 0.0293076 TJ, or 29307.6 MJ. This is derived from the standard coal equivalency of 7000 calories per gram.

The procedure to convert from original units to the common unit terajoule is as follows:

- Data in original (mass) units multiplied by the factors in Table I will give data in terajoules.

Further, to convert electricity data to terajoules, the following energy equivalence is applied: 1 GWh = 3.6 TJ.

Data on natural gas are collected in terajoules on a gross calorific value basis by convention. When comparing natural gas with other energy sources, it is more appropriate to compare useful energy, and thus the data have been converted to be on a net calorific basis by multiplying them by 0.9.

Table I
NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

PRODUCTION, EXPORTS AND CHANGES IN STOCKS				
HARD COAL	2009	2010	2011	2012
Standard factor	25.8	25.8	25.8	25.8
Argentina	24.7	24.7	24.7	24.7
Australia	28.7	27.2	27.1	27.0
Bangladesh	20.9	20.9	20.9	20.9
Botswana	23.6	23.6	23.6	23.6
Brazil	18.6	18.6	18.6	18.6
Bulgaria	17.4	17.4	17.4	17.4
Canada	24.7	24.6	24.7	24.7
Chile	15.5	17.1	15.7	17.4
China	20.9	20.9	20.5	20.5
Colombia	27.2	27.2	27.2	27.2
Czech Republic	27.1	27.1	26.7	26.9
Egypt	25.5	25.5	25.5	25.5
France	26.0	26.0	26.0	26.0
Georgia	24.5	25.0	25.0	25.0
Germany	28.0	27.5	29.3	27.4
India	24.3	24.3	24.3	24.3
Indonesia	26.1	26.1	26.1	25.8
Italy	26.6	26.6	26.6	26.6
Kazakhstan	18.6	18.6	18.6	18.6
Korea, Democratic People's Republic of	25.9	26.0	26.2	26.2
Korea, Republic of	19.3	19.3	19.3	18.6
Kyrgyzstan	18.6	18.6	18.6	18.6
Mexico	29.3	29.3	29.3	29.3
New Zealand	29.3	29.5	29.7	29.7
Niger	23.0	23.0	23.0	23.0
Norway	28.1	28.1	28.1	28.1
Pakistan	19.8	19.8	19.8	18.8
Peru	28.7	28.7	28.7	29.3
Poland	23.7	23.9	23.7	23.7
Russian Federation	26.1	26.0	26.1	26.0
South Africa	23.6	23.7	23.6	23.6
Spain	18.3	17.7	18.6	18.4
Sri Lanka	26.4	26.4	26.4	26.4
Tajikistan	18.6	18.6	18.6	18.6
Turkey	18.9	25.1	24.9	23.7
Ukraine	23.8	23.6	23.5	24.9
United Kingdom	25.1	25.1	24.4	24.5
United States	27.0	27.1	26.6	26.5
Uzbekistan	18.6	18.6	18.6	18.6
Viet Nam	23.4	23.4	23.4	23.4
Venezuela (Bolivarian Republic of)	29.3	30.6	30.6	30.6
Zambia	24.7	24.7	24.7	24.7
Zimbabwe	27.0	27.0	27.0	27.0

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

PRODUCTION, EXPORTS AND CHANGES IN STOCKS				
	2009	2010	2011	2012
BROWN COAL				
Standard factor	14.0	14.0	14.0	14.0
Albania	9.8	9.8	9.8	9.8
Australia	13.6	12.8	13.0	13.0
Bosnia and Herzegovina	13.5	13.3	13.5	13.6
Bulgaria	7.0	7.0	7.0	7.0
Canada	17.9	17.1	17.1	17.0
Czech Republic	12.7	12.7	12.3	12.3
Estonia	9.0			
Germany	9.0	9.1	9.0	9.0
Greece	5.3	5.4	5.4	5.4
Hungary	7.3	7.3	7.2	7.2
India	9.7	9.5	9.5	9.5
Indonesia	20.0	20.0	20.0	22.0
Korea, Democratic People's Republic of	17.6	17.6	17.6	17.6
Kazakhstan	14.7	14.7	14.7	14.7
Mexico	19.4	19.4	19.4	19.4
Mongolia	14.4	14.4	14.4	14.4
Montenegro	9.2	9.2	9.2	9.2
New Zealand	19.9	20.0	19.9	19.9
Philippines	22.1	22.1	22.1	22.1
Poland	8.9	8.6	8.4	8.3
Romania	8.1	7.9	7.9	7.8
Russian Federation	14.9	14.9	14.9	14.9
Serbia	8.0	8.0	8.0	8.0
Slovakia	10.6	10.8	10.6	10.4
Slovenia	11.0	11.0	11.2	10.7
Spain	10.0	8.6	13.4	13.8
Tajikistan	14.7	14.7	14.7	14.7
Thailand	12.1	12.1	12.1	12.1
T.F. Yugoslav Republic of Macedonia	7.3	7.4	7.2	7.1
Turkey	8.8	9.5	9.3	8.7
United States	18.4	18.3	18.3	18.2
Uzbekistan	14.7	14.7	14.7	14.7
COKE OVEN COKE	2009	2010	2011	2012
Standard factor	28.2	28.2	28.2	28.2
Australia	27.0	27.0	27.0	27.0
Austria	29.0	29.0	29.0	29.0
Belgium	27.7	27.7	29.3	29.3
Bosnia and Herzegovina	26.9	26.9	26.9	26.9
Brazil	30.5	30.5	30.5	30.5
Canada	27.4	28.8	27.5	27.5

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

PRODUCTION, EXPORTS AND CHANGES IN STOCKS				
	2009	2010	2011	2012
COKE OVEN COKE				
China	28.5	28.5	28.4	28.4
Colombia	20.1	20.1	20.1	20.1
Czech Republic	28.6	28.2	28.2	28.4
Estonia	28.5	28.5	28.5	28.5
Finland	29.3	29.3	29.3	29.3
France	28.0	28.0	28.0	28.0
Germany	28.7	28.7	28.7	28.7
Hungary	29.7	30.0	29.7	29.5
Italy	29.0	29.0	29.0	29.0
Japan	29.4	29.4	29.4	29.4
Korea, Republic of	29.3	29.3	29.3	28.9
Mexico	26.5	26.5	26.5	26.5
Netherlands	28.5	28.5	28.5	28.5
New Zealand	29.5	29.5	29.5	29.5
Poland	27.7	26.9	27.8	28.1
Slovakia	28.3	28.3	28.3	28.4
South Africa	26.5	26.5	26.5	26.5
Spain	30.1	28.5	26.8	26.8
Sweden	28.1	28.1	28.1	28.1
Turkey	27.9	27.7	27.5	28.2
United Kingdom	28.3	28.3	28.3	28.3
United States	28.8	28.8	28.8	28.8
PATENT FUEL	2009	2010	2011	2012
Standard factor	20.7	20.7	20.7	20.7
France	32.0	32.0	32.0	32.0
Germany	31.4	31.4	31.4	31.4
Hungary	22.0	22.0	22.0	22.0
Korea, Republic of	19.3	19.3	19.3	18.6
Russian Federation	29.0	29.0	29.0	29.0
Ukraine	29.3	29.3	29.3	29.3
United Kingdom	31.0	31.0	31.0	31.0
BROWN COAL BRIQUETTES	2009	2010	2011	2012
Standard factor	20.7	20.7	20.7	20.7
Australia	22.0	21.0	21.0	21.0
Czech Republic	23.6	23.4	21.6	21.6
Germany	21.1	21.5	21.3	21.1
PEAT	2009	2010	2011	2012
Standard factor	9.8	9.8	9.8	9.8
Austria	8.8	8.8	8.8	8.8

Table I (continued)**NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton**

PRODUCTION, EXPORTS AND CHANGES IN STOCKS				
PEAT	2009	2010	2011	2012
Burundi	14.7	14.7	14.7	14.7
Falkland Islands (Malvinas)	9.5	9.5	9.5	9.5
Finland	10.2	10.2	10.2	10.1
Ireland	8.8	8.4	8.6	9.1
Sweden	12.5	12.5	12.5	12.5
OIL SHALE	2009	2010	2011	2012
Standard factor	8.9	8.9	8.9	8.9
Israel	2.9	2.9	2.9	2.9

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS				
HARD COAL	2009	2010	2011	2012
Albania	27.2	27.2	27.2	27.2
Argentina	30.1	30.1	30.1	30.1
Austria	28.6	28.4	28.3	28.2
Azerbaijan	27.7	27.7	27.7	27.7
Bangladesh	20.9	20.9	20.9	20.9
Belarus	24.2	23.2	25.0	26.1
Belgium	26.9	27.5	27.5	27.4
Bosnia and Herzegovina	30.7	30.7	30.7	30.7
Brazil	30.5	30.5	30.5	30.5
Bulgaria	25.6	25.6	25.6	25.9
Canada	28.3	25.7	26.3	26.7
Chile	22.3	23.0	23.5	23.9
China	21.2	20.9	17.6	17.6
China, Hong Kong SAR	25.8	25.8	25.8	25.8
Colombia	27.2	27.2	27.2	27.2
Croatia	24.6	24.2	24.4	24.7
Czech Republic	26.7	26.8	26.7	26.6
Denmark	24.6	24.4	24.4	24.2
Egypt	25.5	25.5	25.5	28.2
Estonia	27.2	27.2	27.2	27.2
Finland	25.4	26.0	25.7	26.0
France	27.1	27.2	27.2	27.2
Georgia	24.5	25.0	25.0	25.0
Germany	26.7	27.0	26.3	26.4
Greece	26.0	26.9	23.9	27.2
Hungary	29.7	30.3	31.2	32.1
Iceland	28.1	28.1	28.1	28.1
India	24.3	24.3	24.3	24.3
Indonesia	26.7	26.7	26.7	28.2
Ireland	27.8	27.8	25.7	25.0
Israel	25.1	25.1	25.1	25.1
Italy	27.3	27.6	27.6	27.5
Japan	25.9	25.9	25.9	25.6
Kazakhstan	18.6	18.6	18.6	18.6
Korea, Democratic People's Republic of	25.8	25.8	25.8	26.7
Korea, Republic of	25.7	25.8	25.8	25.6
Kyrgyzstan	18.6	18.6	18.6	18.6
Latvia	26.2	26.2	26.2	26.3
Luxembourg	28.8	28.6	24.8	24.7
Mauritius	26.0	26.0	26.0	26.0
Mexico	29.6	29.6	29.6	29.6
Moldova, Republic of	18.6	18.6	18.6	23.7
Morocco	27.6	27.6	27.6	27.6
Namibia	22.7	22.7	22.7	22.7
Netherlands	25.4	25.7	25.4	25.4
New Zealand	28.3	27.8	28.2	28.1

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS				
HARD COAL	2009	2010	2011	2012
Norway	28.1	28.1	28.1	28.1
Pakistan	29.1	29.1	29.1	27.6
Peru	27.2	27.2	27.2	29.3
Poland	25.2	25.1	24.4	24.6
Portugal	25.6	25.7	25.0	25.2
Romania	27.1	26.8	26.5	26.5
Russian Federation	25.1	25.1	25.4	25.3
Serbia	23.2	23.1	23.0	23.0
Slovakia	28.2	28.3	28.0	28.1
Slovenia	23.9	25.3	25.3	25.4
South Africa	31.0	31.0	31.0	31.0
Spain	24.1	25.2	24.4	24.0
Sri Lanka	26.4	26.4	26.4	26.4
Sweden	28.9	29.2	28.8	28.6
Switzerland	28.1	28.1	28.1	28.1
T.F. Yugoslav Republic of Macedonia	25.7	26.9	27.0	27.1
Tajikistan	18.6	18.6	18.6	18.6
Thailand	26.4	26.4	26.4	26.4
Turkey	27.0	27.0	27.1	27.5
Ukraine	25.5	25.5	25.5	27.3
United Kingdom	25.7	26.1	26.1	25.8
United States	26.1	26.0	26.2	26.1
Uruguay	29.3	29.3	29.3	25.8
Viet Nam	23.4	23.4	23.4	23.4
Zambia	24.7	24.7	24.7	24.7
Zimbabwe	27.0	27.0	27.0	27.0
BROWN COAL	2009	2010	2011	2012
Albania	9.8	9.8	9.8	9.8
Austria	17.7	19.7	15.6	19.4
Bosnia and Herzegovina	11.8	11.8	12.0	9.3
Cambodia	19.9	19.9	19.9	19.9
Canada	19.1	18.2	18.2	18.2
Croatia	18.0	17.5	17.6	17.1
Czech Republic	13.9	14.6	18.7	13.1
France	17.0	17.0	17.0	17.0
Germany	17.6	9.1	9.1	9.1
Greece	4.3	4.4	4.2	4.0
Hungary	16.3	17.3	17.7	17.5
Ireland	19.8	19.8	19.8	19.8

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS				
BROWN COAL	2009	2010	2011	2012
Israel	20.4	20.4	20.4	20.8
Italy	18.7	18.7	18.6	18.8
Kazakhstan	14.7	14.7	14.7	14.7
Korea, Republic of	20.9	20.9	20.9	21.4
Mexico	25.3	19.4	22.5	22.5
Montenegro	9.9	9.2	9.2	9.2
Netherlands	20.0	20.0	20.0	20.0
New Zealand	20.6	20.6	20.6	20.6
Philippines	22.1	22.1	22.1	22.1
Poland	8.7	8.7	8.4	8.5
Romania	22.6	22.6	24.6	24.5
Russian Federation	14.9	14.9	14.9	14.9
Serbia	17.0	17.0	17.0	17.0
Singapore	9.7	9.7	9.7	9.7
Slovakia	13.8	14.9	14.7	13.5
Slovenia	18.3	18.8	18.4	18.4
Switzerland	20.1	20.1	20.1	20.1
T.F. Yugoslav Republic of Macedonia	20.6	20.3	18.0	19.9
Ukraine	14.7	14.7	14.7	14.7
United States	19.5	19.5	18.5	17.9
Uzbekistan	14.7	14.7	14.7	14.7
COKE OVEN COKE	2009	2010	2011	2012
Australia	27.0	27.0	27.0	27.0
Austria	29.0	29.0	29.0	29.0
Belgium	27.7	27.7	29.3	29.3
Brazil	30.5	30.5	30.5	30.5
Canada	27.4	28.8	27.5	27.5
China	28.5	28.5	28.4	28.4
Czech Republic	27.1	27.5	27.4	28.5
Denmark	29.3	29.3	29.3	29.3
Finland	29.3	29.3	29.3	29.3
France	28.0	28.0	28.0	28.0
Germany	28.7	28.7	28.7	28.7
Greece	30.4	30.3	30.3	30.3
Hungary	28.3	29.3	29.4	29.6
Iceland	26.7	26.7	26.7	26.7
Italy	29.0	29.0	29.0	29.0
Japan	29.4	29.4	29.4	29.4
Korea, Republic of	29.3	29.3	29.3	28.9
Luxembourg	28.5	28.5	28.5	28.5

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS				
	2009	2010	2011	2012
COKE OVEN COKE				
Mexico	26.5	26.5	26.5	26.5
Netherlands	28.5	28.5	28.5	28.5
Norway	28.5	28.5	28.5	28.5
Peru	26.8	26.8	26.8	28.2
Poland	28.0	28.0	28.0	28.0
Portugal	29.2	29.4	29.6	29.6
Slovakia	27.3	28.2	28.2	28.0
Slovenia	29.5	29.5	29.5	29.6
Spain	30.1	28.5	26.8	26.8
Sweden	28.1	28.1	28.1	28.1
Switzerland	28.1	28.1	28.1	28.1
T.F. Yugoslav Republic of Macedonia	27.2	25.7	25.2	25.6
Turkey	27.9	27.9	27.9	28.2
United Kingdom	28.3	28.3	28.3	28.3
United States	28.8	28.8	28.8	28.8
Uruguay	28.5	28.5	28.5	28.5
PATENT FUEL	2009	2010	2011	2012
Austria	31.0	31.0	31.0	31.0
Belgium	29.3	29.3	29.3	30.5
France	32.0	32.0	32.0	32.0
Germany	31.4	31.4	31.4	31.4
Netherlands	29.3	29.3	29.3	29.3
Poland	23.2	23.2	23.2	23.2
Slovakia	28.0	28.0	28.0	28.0
United Kingdom	31.0	31.0	31.0	31.0
BROWN COAL BRIQUETTES	2009	2010	2011	2012
Austria	19.3	19.3	19.3	19.3
Belgium	20.1	20.0	20.0	20.7
Czech Republic	20.7	19.4	21.6	22.0
Denmark	18.3	18.3	18.3	18.3
Germany	19.9	20.3	21.3	20.9
Hungary	20.0	20.0	23.0	19.8
Luxembourg	20.1	20.1	22.2	22.2
Poland	17.5	17.5	17.5	17.6
Slovakia	23.8	17.0	17.0	17.0

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS				
PEAT	2009	2010	2011	2012
Finland	10.2	10.2	10.2	10.1
Sweden	12.9	12.9	12.9	12.9
T.F. Yugoslav Republic of Macedonia	11.4	11.5	9.6	9.1
OTHER PRODUCTS				
Conventional crude oil				42.3
Natural gas liquids (NGL)				44.2
Aviation Gasoline				44.3
Motor Gasoline				44.3
Gasoline-type jet fuel				44.3
Kerosene-type Jet fuel				44.1
Other Kerosene				43.8
Gas/diesel oil				43.0
Fuel oil				40.4
Liquefied petroleum gases (LPG)				47.3
Ethane				46.4
Refinery gas				49.5
Feedstocks				43.0
Naphtha				44.5
White spirit and SBP industrial spirit				40.2
Lubricants				40.2
Bitumen				40.2
Paraffin waxes				40.2
Petroleum coke				32.5
Other oil products				40.2
Fuelwood, wood residues and by-products				12.6
Bagasse				7.7
Peat products				9.8
Charcoal				29.5

Table I (continued)

STANDARD HEAT VALUES OF GASES
kJ/m³

Natural gas	39021
Coke oven gas	17585
Gas works gas	17585
Blast furnace gas	4000

Table II
SELECTED CONVERSION FACTORS FOR CRUDE OIL
AND OIL PRODUCTS

(To convert from metric tons into the following units, multiply by the factor in the appropriate column)

Commodity	Litre	U.S. Gallon	Imperial Gallon	Barrel	Barrels / day	Cubic Metre
Conventional crude oil (average specific gravity)	1164	308	256	7.32	0.02005	1.164
Natural gas liquids (NGL)	1653	437	364	10.40	0.02849	1.653
Additives and oxygenates	1193	315	262	7.50	0.02055	1.193
Other hydrocarbons	1177	311	259	7.40	0.02027	1.177
Aviation gasoline	1370	362	301	8.62	0.02362	1.370
Motor gasoline	1351	357	297	8.50	0.02329	1.351
Gasoline-type jet fuel	1317	348	290	8.28	0.02270	1.317
Kerosene-type jet fuel	1235	326	272	7.77	0.02129	1.235
Other Kerosene	1235	326	272	7.77	0.02129	1.235
Gas/diesel oil	1149	304	253	7.23	0.01981	1.149
Fuel oil	1053	278	232	6.62	0.01814	1.053
Liquefied petroleum gas (LPG)	1852	489	407	11.65	0.03192	1.852
Ethane	2679	708	589	16.85	0.04616	2.679
Refinery gas	1272	336	280	8.00	0.02192	1.272
Feedstocks	1177	311	259	7.40	0.02027	1.177
Naphtha	1389	367	306	8.74	0.02395	1.389
White spirit and SBP industrial spirits	1235	326	272	7.77	0.02129	1.235
Lubricants	1111	294	244	6.99	0.01915	1.111
Bitumen	962	254	212	6.05	0.01658	0.962
Paraffin waxes	1250	330	275	7.86	0.02153	1.250
Petroleum coke	877	232	193	5.52	0.01512	0.877
Other oil products	1099	290	241	6.91	0.01893	1.099

TABLES

Table 1

Total energy supply

Petajoules

Table Notes

For tables 1 to 3

Data on individual energy commodities are aggregated and presented in this table. As discussed in the introduction, this table now follows the principles of energy balances as recommended in IRES.

Instead of breaking energy supply down by flow Table 1 now gives a longer historical perspective back to 1990. As such, historical countries that existed in 1990 are included here. Due to the break-up of the Former Union of Soviet Socialist Republics, there is a reallocation between Europe and Asia between 1991 and 1992.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification.

Figure 1: Total energy supply by region, 1990

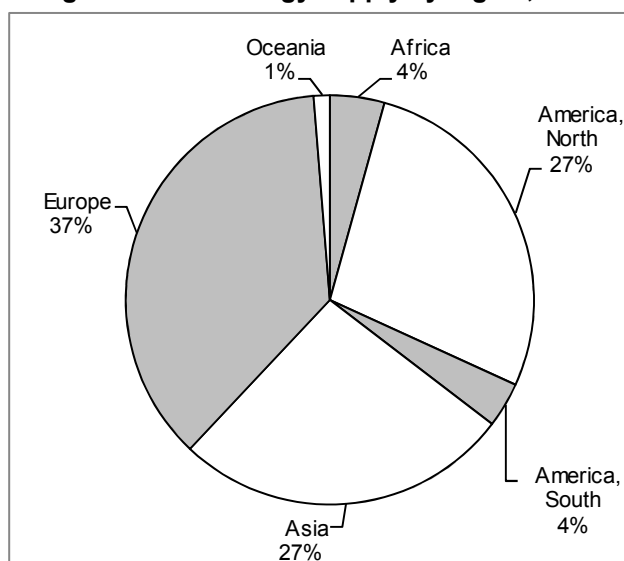


Figure 2: Total energy supply by region, 2012

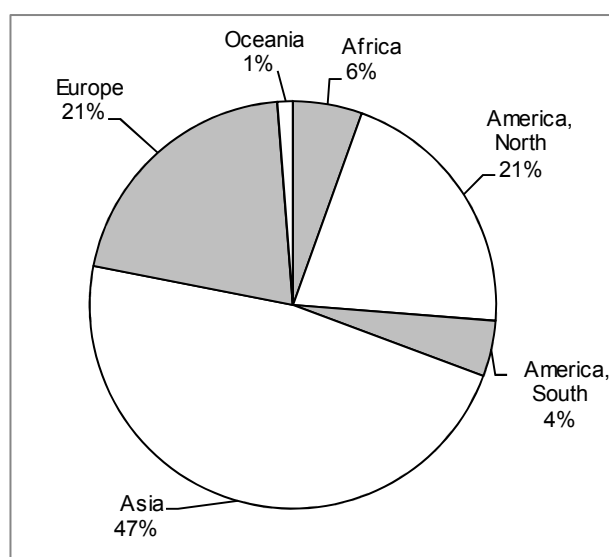


Figure 3: Total energy supply by region, 1990-2012 in PJ

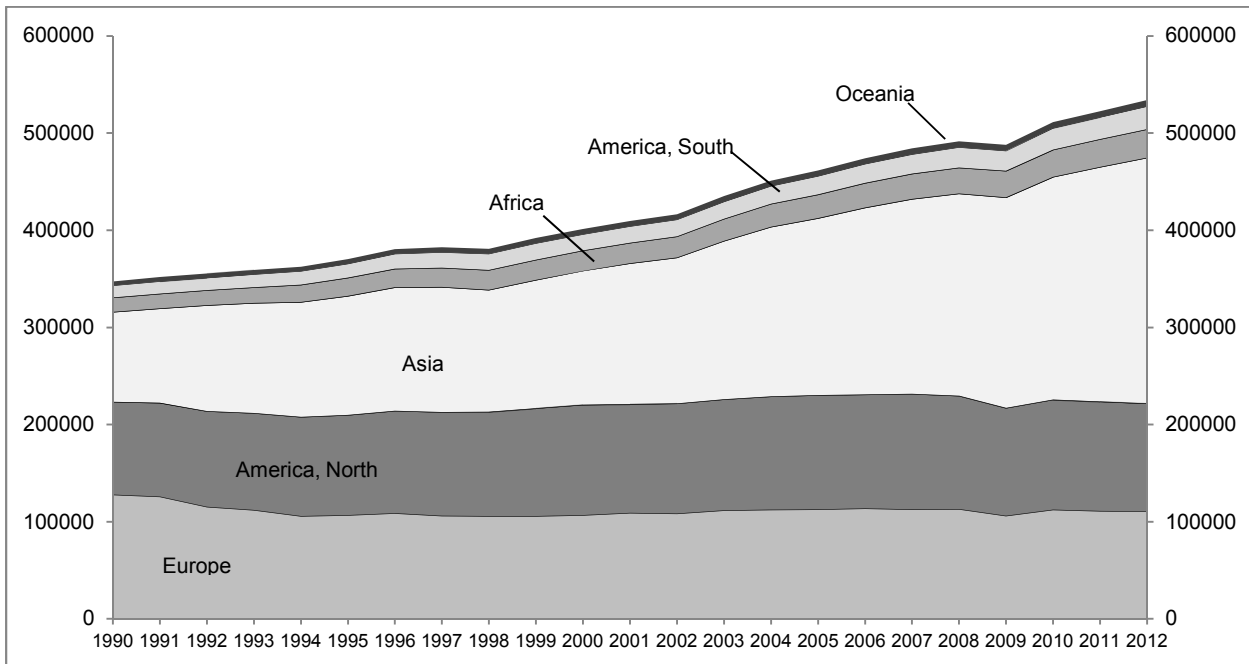


Table 1

Total Energy Supply

Petajoules

Country or area	1990	1995	2000	2005	2010	2011	2012
World	347,424	370,195	401,384	461,470	511,261	522,420	534,165
Africa	15,043	18,780	21,007	24,439	27,970	28,662	29,482
Algeria	1,073	1,269	1,169	1,578	1,642	1,716	1,905
Angola	228	344	316	381	567	579	597
Benin	74	89	83	105	153	158	164
Botswana	25	44	57	65	77	76	76
Burkina Faso	93	104	83	114	143	149	156
Burundi	58	66	55	81	89	91	93
Cabo Verde	2	*3	*4	*6	6	8	6
Cameroon	193	255	264	295	291	284	292
Central African Rep.	31	31	22	22	23	23	23
Chad	45	50	57	66	73	74	75
Comoros	2	3	3	4	5	*5	5
Congo	36	44	40	45	63	70	71
Côte d'Ivoire	215	253	278	418	422	486	527
Dem. Rep. of the Congo	477	584	635	825	832	883	860
Djibouti	*7	*8	8	*9	11	10	*11
Egypt	1,271	1,605	2,288	2,742	3,243	3,557	3,475
Equatorial Guinea	6	6	9	52	68	*84	*89
Eritrea	..	34	30	32	31	32	33
Ethiopia	..	913	1,022	1,091	1,286	1,320	1,352
Ethiopia, incl. Eritrea	543	..	..	..	..	..	..
Gabon	56	101	58	72	88	91	92
Gambia	7	8	9	10	*13	13	*13
Ghana	352	477	271	251	267	283	323
Guinea	106	126	123	126	147	149	147
Guinea-Bissau	21	22	23	26	28	28	29
Kenya	289	337	388	443	520	514	508
Lesotho	13	15	20	34	47	*46	*46
Liberia	38	30	49	63	75	79	82
Libya	468	653	685	727	851	564	712
Madagascar	85	107	118	127	151	154	158
Malawi	63	63	86	91	99	100	100
Mali	43	48	57	60	68	69	70
Mauritania	*23	*26	29	36	45	47	51
Mauritius	33	41	49	57	63	62	63
Morocco	352	428	477	603	758	778	828
Mozambique	248	264	292	364	421	440	447
Namibia	..	36	40	52	65	61	66
Niger	63	75	82	*78	76	78	82
Nigeria	*2,359	3,238	3,756	4,453	5,019	5,310	5,596
Réunion	28	37	44	50	60	62	61
Rwanda	35	54	54	71	84	*88	*91
Sao Tome and Principe	*1	1	*2	*2	2	*2	*3
Senegal	*86	*92	89	109	127	137	131
Seychelles	2	*3	8	10	10	8	11
Sierra Leone	49	47	55	56	60	63	65
Somalia	58	69	90	107	126	127	129
South Africa	3,921	4,360	5,044	5,468	6,359	6,341	6,299
Sudan	456	511	556	654	711	715	715
Swaziland	20	21	41	40	*47	*47	*47
Togo	87	108	89	99	130	131	131
Tunisia	192	220	293	349	416	394	414
Uganda	281	313	340	378	425	433	436
United Rep. of Tanzania	207	477	572	722	853	889	935
Zambia	222	244	260	305	351	364	382
Zimbabwe	400	422	437	413	384	394	408

Table 1

Total Energy Supply

Petajoules

Country or area	1990	1995	2000	2005	2010	2011	2012
America, North	95,452	103,111	113,782	117,669	113,270	112,665	110,691
Anguilla	..	..	*1	*2	*2	*2	*2
Antigua and Barbuda	*7	*7	*5	*6	*8	*7	*8
Aruba	*25	*25	*25	27	*27	*27	*17
Bahamas	*27	*23	*23	*23	36	28	28
Barbados	16	13	16	18	20	20	20
Belize	8	10	15	*11	12	*13	*14
Bermuda	8	*6	*7	5	*10	*9	*10
British Virgin Islands	*1	*1	*1	*2	*2	*2	*2
Canada	8,638	9,556	10,415	11,205	10,366	10,440	10,362
Cayman Islands	4	*5	*6	7	8	8	8
Costa Rica	90	109	147	177	203	205	207
Cuba	630	452	462	412	566	541	542
Dominica	*1	1	2	2	*2	*2	*2
Dominican Republic	143	236	278	262	313	317	330
El Salvador	92	138	166	189	176	181	188
Greenland	8	*7	*8	9	10	11	9
Grenada	2	2	3	3	4	4	4
Guadeloupe	18	*22	*24	28	*31	*31	*31
Guatemala	195	252	307	365	426	456	463
Haiti	64	71	84	142	159	164	170
Honduras	122	142	157	170	191	199	212
Jamaica	119	137	148	153	102	109	103
Martinique	27	*27	*28	33	31	33	34
Mexico	5,150	5,460	6,085	6,997	7,196	7,526	7,738
Montserrat	*1	*1	*1	*1	1	*1	*1
Netherlands Antilles	82	*95	83	84	69	87	88
Nicaragua	87	106	115	138	132	130	137
Panama	62	62	104	120	149	157	*156
Puerto Rico	*1	0	13	24	28	27	*27
St. Kitts-Nevis	*2	*2	*2	*4	*4	*4	*4
St. Lucia	2	5	5	*5	6	6	6
St. Pierre-Miquelon	1	1	*1	*1	*1	*1	*1
St. Vincent-Grenadines	*1	*2	2	*3	*4	*4	*4
Trinidad and Tobago	249	320	411	519	845	830	808
Turks and Caicos Islands	0	0	0	*2	*3	*3	*3
United States	79,568	85,813	94,630	96,516	92,130	91,078	88,953
America, South	12,416	14,575	16,828	18,947	22,350	22,658	23,710
Argentina	1,928	2,194	2,556	2,919	3,307	3,356	3,382
Bolivia (Plur. State of)	107	156	189	229	265	274	316
Brazil	5,981	7,087	8,046	9,267	10,941	11,195	11,656
Chile	587	772	1,073	1,177	1,278	1,403	1,553
Colombia	983	1,104	1,103	1,180	1,404	1,351	1,389
Ecuador	256	362	358	506	586	608	641
Falkland Is. (Malvinas)	0	*1	*1	*1	*1	*1	*1
French Guiana	12	13	*8	*12	*13	*13	*13
Guyana	24	29	32	29	32	34	36
Paraguay	*85	118	153	180	231	234	238
Peru	395	444	542	565	803	862	910
Suriname	31	36	34	37	39	33	37
Uruguay	96	107	119	126	171	189	201
Venezuela(Bolivar. Rep.)	1,930	2,153	2,614	2,720	3,280	3,105	3,337
Asia	92,562	122,346	137,704	182,131	229,303	241,441	253,075
Afghanistan	*46	*29	25	36	137	185	308
Armenia	..	68	84	105	*120	135	145
Azerbaijan	..	536	485	573	486	527	558
Bahrain	213	257	324	323	520	522	527

Table 1

Total Energy Supply

Petajoules

Country or area	1990	1995	2000	2005	2010	2011	2012
Bangladesh	761	945	1,018	1,208	1,493	1,537	1,597
Bhutan	37	39	44	48	59	60	62
Brunei Darussalam	107	71	88	65	136	162	162
Cambodia	109	119	142	144	210	223	229
China	30,452	39,163	42,461	66,308	93,877	102,051	108,527
China, Hong Kong SAR	316	398	570	579	541	588	568
China, Macao SAR	15	18	24	28	30	*30	*31
Cyprus	58	70	86	92	103	100	94
Georgia	..	59	93	135	137	158	168
India	11,140	14,201	17,765	24,868	31,485	33,096	35,066
Indonesia	3,417	4,218	4,572	7,085	8,450	9,981	10,219
Iran(Islamic Rep. of)	2,823	3,887	5,382	7,218	9,152	9,343	9,674
Iraq	563	1,089	994	1,488	1,436	1,658	1,871
Israel	480	649	763	769	966	966	1,013
Japan	18,319	20,691	21,675	21,770	20,872	19,328	18,889
Jordan	133	172	205	289	303	305	329
Kazakhstan	..	2,152	1,666	2,348	3,338	3,508	3,289
Korea, Dem.Ppl's.Rep.	*2,563	*2,663	826	895	795	591	596
Korea, Republic of	3,851	6,083	7,854	8,764	10,441	10,874	10,992
Kuwait	711	835	824	1,133	1,350	1,388	1,568
Kyrgyzstan	..	100	100	111	115	139	172
Lao People's Dem. Rep.	56	59	68	75	75	74	78
Lebanon	*125	171	207	206	261	259	292
Malaysia	773	1,768	1,956	2,625	2,942	3,049	3,126
Maldives	2	4	7	10	14	15	19
Mongolia	116	89	87	101	161	236	276
Myanmar	449	498	538	618	602	635	680
Nepal	154	178	198	206	226	231	236
Oman	153	236	322	445	866	1,068	1,208
Other Asia	1,977	2,678	3,390	4,238	4,574	4,495	4,369
Pakistan	1,290	1,722	2,082	2,642	2,954	3,015	*3,043
Philippines	1,039	1,264	1,551	1,469	1,572	1,581	1,711
Qatar	199	539	584	717	1,165	1,331	1,579
Saudi Arabia	3,336	3,516	4,487	6,047	7,703	7,395	8,320
Singapore	656	640	756	805	712	801	1,217
Sri Lanka	187	225	296	324	360	381	380
State of Palestine	..	..	20	58	54	59	58
Syrian Arab Republic	476	585	729	740	911	841	632
Tajikistan	..	95	91	98	93	89	100
Thailand	1,556	2,496	3,144	4,136	5,059	5,192	5,393
Timor-Leste	..	..	..	*4	*4	*4	*4
Turkey	2,191	2,598	3,202	3,549	4,419	4,716	4,918
Turkmenistan	..	574	624	805	951	1,037	1,073
United Arab Emirates	791	1,108	1,719	1,842	2,618	2,715	2,859
Uzbekistan	..	1,726	2,116	1,970	1,805	1,978	2,022
Viet Nam	791	908	1,262	1,747	2,305	2,502	2,540
Yemen	..	153	197	274	347	288	289
Yemen Arab Rep. (former)	*47	..	..	..	..	..	..
Yemen, Dem. (former)	*84	..	..	..	..	..	..
Europe	127,494	106,534	106,484	112,420	112,120	110,685	110,618
Albania	115	47	65	92	88	91	85
Andorra	0	7	9	10	10	9	*9
Austria	1,033	1,110	1,217	1,445	1,445	1,402	1,398
Belarus	..	1,036	1,025	1,125	1,160	1,236	1,279
Belgium	2,005	2,237	2,426	2,436	2,511	2,463	2,318
Bosnia and Herzegovina	..	56	179	206	269	294	278
Bulgaria	1,181	966	773	826	741	803	767
Croatia	..	297	323	371	356	351	330
Czech Republic	..	1,753	1,741	1,885	1,886	1,822	1,775

Table 1

Total Energy Supply

Petajoules

Country or area	1990	1995	2000	2005	2010	2011	2012
Czechoslovakia (former)	2,960	..	..	..	..	..	..
Denmark	725	811	785	786	812	748	721
Estonia	..	217	196	220	236	238	233
Faeroe Islands	9	10	*10	*11	*9	*8	*9
Finland	1,135	1,170	1,269	1,356	1,523	1,450	1,388
France	9,381	9,924	10,540	11,322	10,926	10,524	10,556
German Dem. R. (former)	*3,676	..	..	..	..	..	..
Germany	..	14,037	14,034	14,009	13,681	12,971	13,035
Germany, Fed. R. (former)	11,391	..	..	..	..	..	..
Gibraltar	*1	*5	5	6	7	7	7
Greece	902	963	1,148	1,280	1,169	1,131	1,124
Guernsey	..	..	..	1	1	1	1
Hungary	1,211	1,093	1,049	1,155	1,078	1,048	985
Iceland	88	91	142	160	283	291	296
Ireland	416	446	573	606	604	554	555
Isle of Man	..	..	..	0	0	0	1
Italy	6,366	6,714	7,230	7,743	7,158	7,040	6,674
Jersey	..	1	1	3	3	3	*3
Latvia	..	203	156	185	195	179	185
Liechtenstein	..	..	..	..	*5	*5	*5
Lithuania	..	376	306	362	285	296	299
Luxembourg	143	133	141	185	178	176	173
Malta	28	29	28	37	36	35	28
Montenegro	..	..	..	44	51	45	42
Netherlands	2,723	2,923	3,014	3,235	3,454	3,198	3,245
Norway	876	964	1,075	1,117	1,364	1,166	1,232
Poland	4,406	4,256	3,794	3,899	4,259	4,267	4,117
Portugal	720	840	1,026	1,104	975	948	886
Republic of Moldova	..	183	66	89	87	88	85
Romania	2,349	1,930	1,533	1,627	1,476	1,510	1,470
Russian Federation	..	26,751	25,994	27,340	29,580	31,031	31,802
Serbia	..	..	..	673	648	672	602
Serbia and Montenegro	..	522	557	..	..	..	..
Slovakia	..	746	744	778	737	716	689
Slovenia	..	254	269	306	302	305	294
Spain	3,744	4,191	5,074	5,915	5,331	5,327	5,275
Sweden	1,967	2,089	1,971	2,137	2,112	2,068	2,076
Switzerland	1,017	1,003	1,041	1,080	1,091	1,057	1,068
T.F.Yug.Rep. Macedonia	..	151	169	163	119	129	123
Ukraine	..	7,073	5,571	5,872	5,487	5,220	5,136
United Kingdom	8,529	8,925	9,216	9,218	8,392	7,761	7,955
USSR (former)	56,587	..	..	..	..	..	..
Yugoslavia, SFR (former)	1,809	..	..	..	..	..	..
Oceania	4,457	4,849	5,578	5,864	6,247	6,310	6,588
Australia	3,741	4,057	4,651	4,898	5,181	5,237	5,486
Cook Islands	0	0	0	1	*1	*1	*1
Fiji	21	*25	22	28	24	*24	*22
French Polynesia	*9	8	10	13	13	*13	*12
Kiribati	0	0	1	*1	*1	*1	*1
Marshall Islands	*1	*1	*1	*1	*1	*1	*1
Micronesia(Fed. States of)	..	..	*2	2	2	*2	*2
Nauru	*2	*2	*1	*1	1	*1	*1
New Caledonia	22	*22	29	36	48	48	45
New Zealand	559	631	748	746	832	830	860
Pacific Islands (former)	*3	..	..	..	..	..	..
Palau	..	*2	*2	*3	*3	*3	*3
Papua New Guinea	88	89	99	122	126	134	137
Samoa	*3	*3	*3	*3	*4	4	*4
Solomon Islands	*5	*5	*6	*6	*6	*6	*6

Table 1**Total Energy Supply**

Petajoules

Country or area	1990	1995	2000	2005	2010	2011	2012
Tonga	1	1	1	*2	2	2	2
Vanuatu	1	1	*2	2	3	3	3

Table 2

Components of total energy supply

Petajoules and Gigajoules per capita

Table Notes

Production

Included in the production of primary energy for **Solids** are hard coal, lignite, peat, oil shale, primary solid biofuels and wastes; **Liquids** are comprised of crude oil, natural gas liquids, other hydrocarbons, additives and oxygenates, and liquid biofuels; **Gas** comprises natural gas and biogas; **Electricity** is comprised of primary electricity generation from hydro, wind, tide, wave and solar sources; and **Heat** comprises primary heat from nuclear, geothermal, chemical and solar sources.

Stock changes, International Trade and Bunkers

Stock changes, trade and international bunkers refer to all primary and secondary forms of energy.

Energy Supply

Supply is calculated as primary energy production plus import minus exports minus International bunkers minus stock changes.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification

Figure 4: Total per capita energy supply by region, selected years (in Gigajoules)

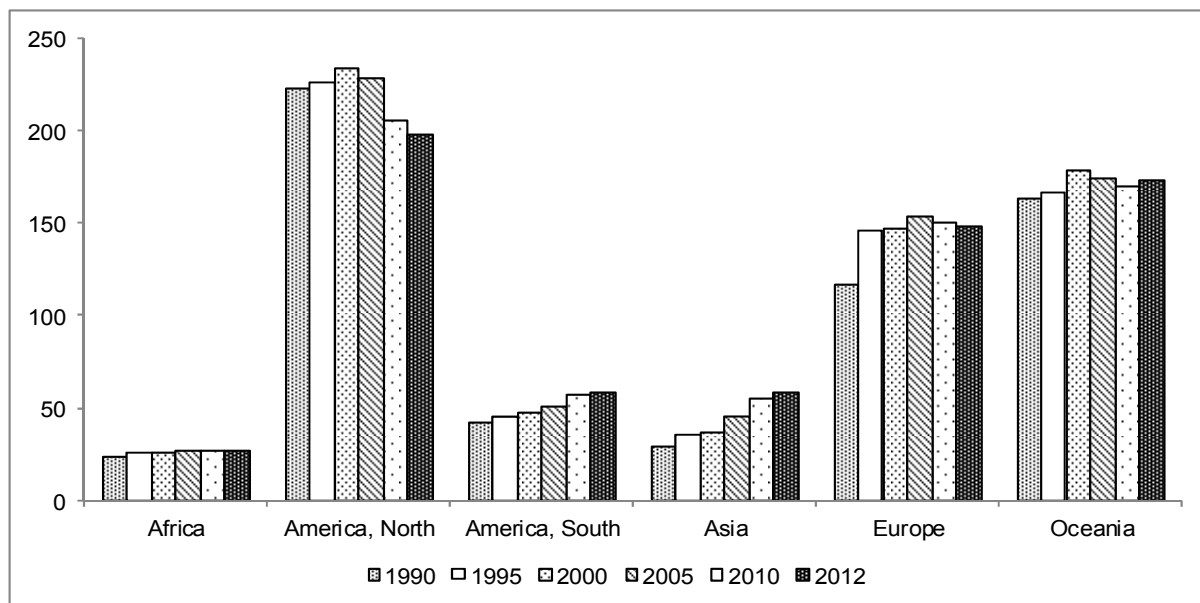


Figure 5: Production of solids by region, 2012

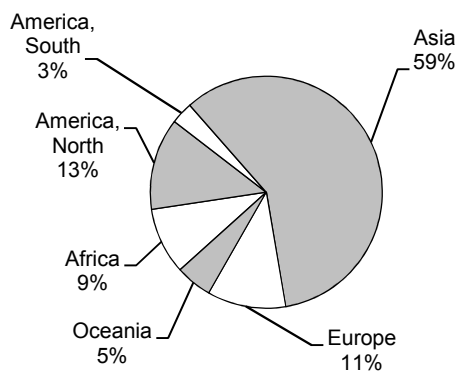


Figure 6: Production of liquids by region, 2012

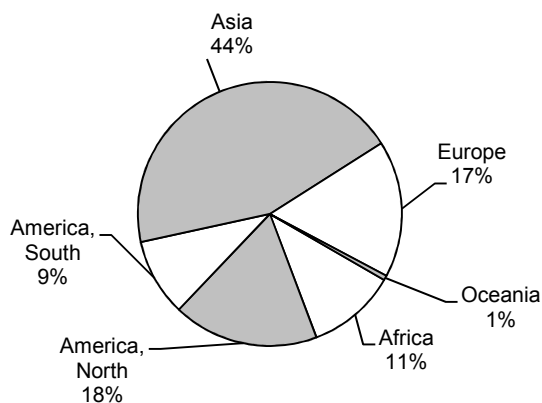


Figure 7: Production of gases by region, 2012

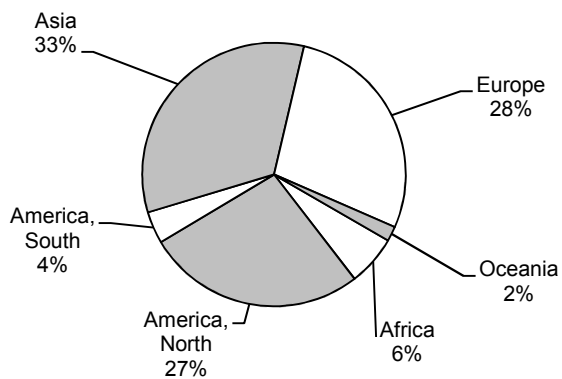


Figure 8: Primary electricity production by region, 2012

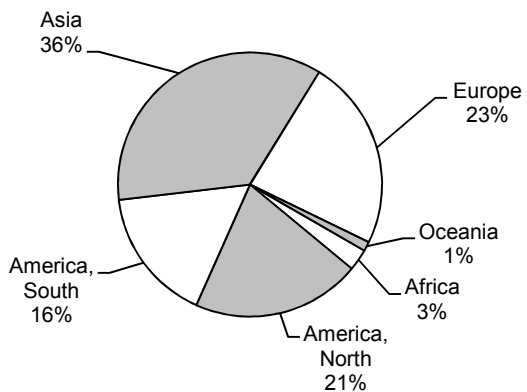


Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
World	2009	505,853	186,121	168,920	106,044	12,800	31,967
	2010	529,565	196,728	172,556	113,792	13,799	32,690
	2011	541,259	203,943	174,105	118,025	14,296	30,891
	2012	551,493	209,266	177,108	120,060	15,397	29,661
Africa	2009	46,173	17,948	20,618	7,051	366	190
	2010	47,507	18,442	21,174	7,290	408	193
	2011	44,708	18,825	18,063	7,202	411	208
	2012	46,896	19,467	19,362	7,448	411	208
Algeria	2009	6,300	2	3,327	2,969	1	..
	2010	6,200	2	3,184	3,014	1	..
	2011	6,008	1	3,091	2,914	2	..
	2012	5,928	1	2,888	3,037	2	..
Angola	2009	4,207	319	3,854	24	11	..
	2010	4,110	330	3,742	25	13	..
	2011	3,827	340	3,447	26	14	..
	2012	4,031	351	3,639	26	14	..
Benin	2009	84	84	..	..	..	..
	2010	86	86	..	..	..	..
	2011	89	89	..	..	..	..
	2012	91	91	..	..	..	..
Botswana	2009	24	24	..	..	..	0
	2010	30	30	..	..	..	0
	2011	25	25	..	..	..	0
	2012	41	41	..	..	..	0
Burkina Faso	2009	117	116	..	..	0	..
	2010	118	118	..	..	0	..
	2011	120	119	..	..	0	..
	2012	121	121	..	..	0	..
Burundi	2009	84	84	..	..	0	..
	2010	86	85	..	..	1	..
	2011	87	86	..	..	1	..
	2012	88	88	..	..	1	..
Cabo Verde	2009	2	2	..	..	0	..
	2010	2	2	..	..	0	..
	2011	2	2	..	..	0	..
	2012	2	2	..	..	0	..
Cameroon	2009	370	186	159	11	14	..
	2010	351	185	140	11	15	..
	2011	344	190	127	11	16	..
	2012	328	194	106	12	16	..
Central African Rep.	2009	19	18	..	..	0	..
	2010	19	18	..	..	0	..
	2011	19	18	..	..	*1	..
	2012	19	18	..	..	*1	..
Chad	2009	317	64	252	..	..	..
	2010	324	66	258	..	..	..
	2011	309	66	243	..	..	..
	2012	288	68	220	..	..	..
Comoros	2009	2	2	..	..	0	..
	2010	2	2	..	..	0	..
	2011	3	2	..	..	0	..
	2012	3	3	..	..	0	..
Congo	2009	632	32	598	2	1	..
	2010	718	32	680	4	2	..
	2011	689	33	648	5	3	..
	2012	649	34	607	5	3	..

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
193,963	194,129	5,930	7,702	4,224	487,830	71
204,274	204,750	6,269	8,343	3,217	511,261	74
208,745	209,680	6,543	8,437	2,923	522,420	75
212,577	213,271	6,618	7,666	2,349	534,165	75
5,278	23,401	292	266	91	27,401	27
5,326	24,300	286	309	-31	27,970	27
5,481	20,812	286	225	204	28,662	27
5,933	22,852	312	249	-67	29,482	27
82	4,681	20	12	-7	1,677	46
71	4,589	20	13	8	1,642	44
114	4,376	20	11	0	1,716	45
221	4,234	22	11	-24	1,905	50
135	3,781	9	7	13	533	28
141	3,666	9	7	1	567	29
142	3,375	9	6	1	579	29
154	3,570	9	7	1	597	29
73	9	4	..	0	144	16
82	9	7	..	0	153	16
85	9	7	..	0	158	16
89	10	7	..	0	164	16
45	0	1	..	0	68	35
48	0	1	..	0	77	39
51	0	1	..	0	76	38
54	0	1	..	18	76	38
24	..	1	..	0	140	9
27	..	*2	..	0	143	9
31	..	*2	..	0	149	9
36	..	*2	..	0	156	9
3	..	0	..	0	87	10
3	..	0	..	0	89	10
4	..	0	..	0	91	10
4	..	0	..	0	93	9
8	..	*2	*1	..	6	13
9	..	3	2	..	6	13
12	..	2	3	..	8	16
9	..	3	2	..	6	13
74	165	3	2	-16	289	14
84	152	3	2	-13	291	14
76	131	3	2	0	284	13
79	110	3	2	0	292	13
*5	0	*1	..	..	22	5
*5	0	*1	..	..	23	5
*5	0	*1	..	..	23	5
*6	0	*1	..	..	23	5
*4	248	*1	..	..	71	6
*4	255	*1	..	..	73	6
*5	239	*1	..	..	74	6
*5	217	*1	..	..	75	6
*2	..	0	..	..	4	6
*2	..	0	..	..	5	7
*3	..	0	..	..	*5	*7
*3	..	0	..	..	*5	*7
11	596	3	..	-15	59	15
10	656	3	..	6	63	15
12	594	2	..	35	70	17
6	578	3	..	3	71	16

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Côte d'Ivoire	2009	452	298	96	51	8	..
	2010	467	322	83	56	6	..
	2011	514	382	71	55	6	..
	2012	523	394	62	60	6	..
Dem. Rep. of the Congo	2009	829	754	47	0	28	..
	2010	855	780	47	0	28	..
	2011	900	822	50	0	28	..
	2012	877	797	51	0	29	..
Djibouti	2009	3	3	..	..	..	..
	2010	3	3	..	..	..	..
	2011	3	3	..	..	..	..
	2012	3	3	..	..	..	..
Egypt	2009	3,844	219	1,452	2,123	50	..
	2010	3,694	218	1,479	1,943	53	..
	2011	3,718	220	1,455	1,990	54	..
	2012	3,670	221	1,485	1,912	53	..
Equatorial Guinea	2009	913	4	689	220	0	..
	2010	849	4	615	230	0	..
	2011	*925	4	*619	*301	0	..
	2012	*889	4	*643	*242	0	..
Eritrea	2009	24	24	..	..	0	..
	2010	24	24	..	..	0	..
	2011	25	25	..	..	0	..
	2012	26	26	..	..	0	..
Ethiopia	2009	1,180	1,166	0	..	13	1
	2010	1,205	1,186	0	..	18	1
	2011	1,228	1,205	0	..	23	0
	2012	1,249	1,225	0	..	24	1
Gabon	2009	569	48	509	8	3	..
	2010	602	49	539	11	3	..
	2011	603	50	537	13	3	..
	2012	585	52	518	13	3	..
Gambia	2009	7	7	..	..	..	..
	2010	6	6	..	..	..	..
	2011	6	6	..	..	..	..
	2012	7	7	..	..	..	..
Ghana	2009	141	115	1	..	25	..
	2010	148	114	8	..	25	..
	2011	299	128	144	..	27	..
	2012	347	143	175	..	29	..
Guinea	2009	111	109	..	0	2	..
	2010	112	110	..	0	2	..
	2011	112	110	..	0	1	..
	2012	112	111	..	0	*1	..
Guinea-Bissau	2009	23	23	..	..	..	..
	2010	24	24	..	..	..	..
	2011	24	24	..	..	..	..
	2012	24	24	..	..	..	..
Kenya	2009	339	285	..	..	8	47
	2010	374	310	..	..	12	52
	2011	349	282	..	..	12	54
	2012	356	283	..	..	16	58
Lesotho	2009	21	19	..	..	2	..
	2010	21	19	..	..	2	..
	2011	21	19	..	..	2	..
	2012	21	19	..	..	2	..

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
132	194	2	1	-5	393	21
133	171	2	1	3	422	22
103	130	2	0	-1	486	25
151	145	3	1	-2	527	27
23	50	1	..	0	802	13
33	50	6	..	0	832	13
40	53	7	..	-2	883	14
41	51	7	..	0	860	13
11	*1	4	*1	*-1	10	12
13	*1	4	*1	0	11	13
10	*1	4	*1	*-2	10	12
*13	*1	*4	*1	0	*11	*13
538	997	42	91	-6	3,258	42
517	901	36	91	-60	3,243	42
491	616	34	16	-14	3,557	45
560	718	36	15	-13	3,475	43
*10	855	*2	..	..	67	99
*10	*789	*2	..	..	68	98
*10	*850	*2	..	..	*84	*117
*10	*809	*2	..	..	*89	*120
7	..	0	..	0	30	5
7	..	0	..	0	31	5
7	..	0	..	0	32	5
7	..	0	..	0	33	5
92	0	9	..	0	1,263	15
94	0	12	..	1	1,286	15
102	1	12	..	-2	1,320	15
116	1	13	..	-1	1,352	15
9	459	2	8	25	83	55
9	526	2	9	-15	88	57
10	510	3	9	0	91	57
10	492	3	9	0	92	57
6	0	..	..	..	13	8
*7	0	..	..	..	*13	*8
*6	0	..	..	..	*13	*7
*7	0	..	..	..	*13	*7
126	24	4	3	..	237	10
156	28	4	4	..	267	11
188	195	6	3	..	283	11
177	192	6	3	..	323	13
31	0	*1	..	..	141	13
37	0	*1	..	..	147	14
38	0	*1	..	..	149	13
36	0	*1	..	..	147	13
*5	0	0	..	..	27	18
*5	0	0	..	..	28	18
*5	0	0	..	..	28	17
*5	0	0	..	..	29	17
169	4	25	0	-9	489	12
175	4	30	0	-5	520	13
199	4	30	1	-1	514	12
184	2	30	1	0	508	12
24	0	..	..	..	45	22
26	0	..	..	..	47	23
*25	0	..	..	..	*46	*23
*25	0	..	..	..	*46	*23

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Country or area	Year	Primary energy production					Heat
		Total	Solids	Liquids	Gases	Electricity	
Liberia	2009	62	62	..	..	..	..
	2010	64	64	..	..	..	..
	2011	66	66	..	..	..	..
	2012	69	69	..	..	..	..
Libya	2009	4,140	7	3,590	544	..	..
	2010	4,295	7	3,713	575	..	..
	2011	1,353	7	1,077	269	..	..
	2012	3,590	7	3,166	417	..	..
Madagascar	2009	124	121	..	..	3	..
	2010	124	122	..	..	3	..
	2011	124	121	..	..	2	..
	2012	124	121	..	..	3	..
Malawi	2009	85	79	..	..	6	..
	2010	85	79	..	..	7	..
	2011	86	80	..	..	6	..
	2012	86	81	..	..	*5	..
Mali	2009	51	49	..	..	2	..
	2010	52	50	..	..	3	..
	2011	53	50	..	..	*3	..
	2012	53	51	..	..	*3	..
Mauritania	2009	40	16	24	..	..	..
	2010	34	17	17	..	..	..
	2011	33	17	16	..	..	..
	2012	31	18	14	..	..	..
Mauritius	2009	11	11	..	..	0	..
	2010	11	11	..	..	0	..
	2011	11	11	..	..	0	..
	2012	10	10	..	..	0	..
Morocco	2009	77	64	0	2	11	..
	2010	81	64	0	2	15	..
	2011	78	63	3	2	10	..
	2012	77	62	4	2	9	..
Mozambique	2009	498	333	1	103	61	..
	2010	516	342	1	112	60	..
	2011	548	368	1	118	61	..
	2012	666	478	1	132	55	..
Namibia	2009	13	8	..	..	5	..
	2010	13	8	..	..	5	..
	2011	14	8	..	..	6	..
	2012	14	9	..	..	5	..
Niger	2009	59	59	..	..	0	..
	2010	61	61	..	..	0	..
	2011	67	63	4	..	0	..
	2012	89	63	26	..	0	..
Nigeria	2009	9,597	3,911	4,834	835	16	..
	2010	10,737	4,098	5,504	1,113	23	..
	2011	11,025	4,287	5,406	1,311	21	..
	2012	11,347	4,531	5,386	1,409	20	..
Réunion	2009	7	4	..	0	2	1
	2010	8	4	..	0	2	1
	2011	7	4	..	0	2	1
	2012	8	4	..	0	3	1
Rwanda	2009	73	73	..	0	0	..
	2010	76	75	..	0	0	..
	2011	*78	*78	..	0	1	..
	2012	*81	*80	..	0	1	..

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
8	..	0	0	..	69	18
12	..	0	*1	..	75	19
13	..	0	*1	..	79	19
15	..	0	*1	..	82	20
137	3,440	11	15	0	811	136
153	3,489	9	15	84	851	141
169	799	2	3	153	564	92
215	3,069	9	14	0	712	116
25	0	2	0	-1	148	7
28	0	2	*1	-1	151	7
33	0	3	*1	-1	154	7
39	0	3	*1	1	158	7
12	0	..	..	..	96	7
14	0	..	..	..	99	7
14	0	..	..	..	100	6
14	0	..	..	..	100	6
*17	1	*1	..	..	66	5
*18	1	*1	..	..	68	5
*18	*1	*1	..	..	69	5
*19	*1	*1	..	..	70	5
29	11	1	..	*12	44	13
29	21	1	..	*-3	45	12
31	6	1	..	*11	47	13
34	15	1	..	*-1	51	13
58	..	5	9	-4	59	48
64	..	5	10	-2	63	51
67	..	5	12	-1	62	50
68	..	5	11	-1	63	51
681	35	22	1	-2	703	22
738	26	25	*1	10	758	24
750	25	28	*1	-3	778	24
825	23	41	*1	9	828	25
61	147	3	..	0	408	17
63	155	3	..	0	421	18
68	163	3	..	10	440	18
66	242	3	..	40	447	18
52	1	2	..	..	63	30
54	1	2	..	..	65	30
47	0	*1	..	..	61	27
54	0	*2	..	..	66	29
12	0	1	..	0	71	5
15	0	0	..	0	76	5
14	0	0	..	2	78	5
5	*9	0	..	*3	82	5
347	5,305	28	15	-67	4,663	30
379	6,108	7	17	-35	5,019	31
341	6,012	8	16	20	5,310	32
351	6,175	8	17	-98	5,596	33
52	..	..	0	1	58	70
53	..	..	1	0	60	71
56	..	..	0	1	62	72
52	..	..	0	-2	61	70
*8	0	*1	..	0	81	8
*9	0	*1	..	0	84	8
*10	0	*1	..	0	*88	*8
11	0	*1	..	0	*91	*8

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Sao Tome and Principe	2009	1	1	..	..	0	..
	2010	1	1	..	..	0	..
	2011	1	1	..	..	0	..
	2012	1	1	..	..	0	..
Senegal	2009	52	51	..	1	0	1
	2010	49	48	..	1	0	1
	2011	51	49	..	1	0	1
	2012	52	50	..	1	0	1
Seychelles	2009	0	0	..	..	..	..
	2010	0	0	..	..	..	..
	2011	0	0	..	..	..	..
	2012	0	0	..	..	..	..
Sierra Leone	2009	51	51	..	..	0	..
	2010	52	51	..	..	*1	..
	2011	52	52	..	..	1	..
	2012	52	52	..	..	0	..
Somalia	2009	120	120	..	..	..	..
	2010	124	124	..	..	..	..
	2011	128	128	..	..	..	..
	2012	128	128	..	..	..	..
South Africa	2009	6,771	6,573	9	42	5	141
	2010	6,911	6,695	22	53	8	133
	2011	6,883	6,658	22	47	8	149
	2012	7,009	6,807	9	40	8	144
St. Helena and Depend.	2009	0	0	..	..	0	..
	2010	0	0	..	..	0	..
	2011	0	0	..	..	0	..
	2012	0	0	..	..	0	..
Sudan	2009	1,489	473	1,004	..	12	..
	2010	1,473	473	977	..	22	..
	2011	1,467	487	957	..	23	..
	2012	734	495	215	..	24	..
Swaziland	2009	41	40	..	..	1	..
	2010	39	38	..	..	1	..
	2011	39	38	..	..	1	..
	2012	37	36	..	..	1	..
Togo	2009	96	96	..	..	0	..
	2010	99	99	..	..	0	..
	2011	102	101	..	..	0	..
	2012	105	104	..	..	0	..
Tunisia	2009	306	39	171	94	1	1
	2010	324	39	164	114	1	6
	2011	297	39	146	109	1	3
	2012	294	39	145	105	1	4
Uganda	2009	372	367	..	..	5	..
	2010	379	373	..	..	*6	..
	2011	383	377	..	..	*6	..
	2012	390	384	..	..	*6	..
United Rep. of Tanzania	2009	762	729	..	23	10	..
	2010	789	752	..	27	9	..
	2011	811	775	..	30	7	..
	2012	843	803	..	34	6	..
Zambia	2009	312	275	..	..	37	..
	2010	322	282	..	..	41	..
	2011	332	291	..	..	41	..
	2012	344	301	..	..	43	..

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
*2	..	0	..	..	*2	*13
2	..	0	..	..	2	13
*2	..	0	..	..	*2	*13
*2	..	0	..	..	*3	*14
68	14	11	..	3	92	7
89	3	10	..	-2	127	10
97	3	9	..	-1	137	10
92	4	9	..	1	131	10
15	..	*2	*3	..	10	114
14	..	*2	*3	..	10	105
12	..	*2	*2	..	8	90
16	..	*1	*3	..	11	116
8	..	0	..	..	59	10
9	..	0	..	..	60	10
11	..	0	..	..	63	11
13	..	0	..	..	65	11
*11	6	2	*1	..	122	13
*11	7	2	*1	..	126	13
*11	9	2	*1	..	127	13
*12	8	2	*1	..	129	13
1,517	1,376	37	91	173	6,610	130
1,332	1,720	36	127	0	6,359	124
1,399	1,772	38	131	0	6,341	122
1,418	1,944	38	146	0	6,299	120
0	..	..	..	..	0	32
0	..	..	..	..	0	37
0	..	..	..	..	0	36
0	..	..	..	..	0	42
29	802	11	1	0	704	16
34	783	12	1	0	711	16
49	787	14	1	0	715	15
48	57	10	1	0	715	15
*16	*10	0	..	0	47	40
*16	*9	0	..	0	47	39
*16	*8	0	..	0	47	39
*16	*6	0	..	0	47	38
35	..	3	0	-2	130	21
33	..	3	1	-1	130	21
30	..	3	1	-3	131	20
28	..	3	1	-2	131	20
258	176	9	0	0	380	36
262	164	11	1	-6	416	39
241	130	10	1	3	394	37
287	154	12	1	0	414	38
44	0	..	..	..	416	13
*47	0	..	..	..	425	13
50	0	..	..	..	433	12
*47	0	..	..	..	436	12
60	..	4	2	..	815	19
71	..	5	2	..	853	19
85	..	5	2	..	889	19
100	..	5	2	..	935	20
31	4	1	..	0	338	26
34	5	1	..	0	351	27
38	5	1	..	0	364	27
45	5	2	..	0	382	27

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Zimbabwe	2009	347	328	..	..	20	..
	2010	359	338	..	..	21	..
	2011	368	350	..	..	19	..
	2012	381	362	..	..	19	..
America, North	2009	98,176	27,691	27,505	29,070	2,794	11,115
	2010	100,079	28,027	28,268	29,787	2,821	11,176
	2011	103,108	28,310	29,258	31,235	3,227	11,076
	2012	104,703	26,773	31,607	32,284	3,183	10,857
Anguilla	2009	0	0	..	..	..	..
	2010	0	0	..	..	..	..
	2011	0	0	..	..	..	..
	2012	0	0	..	..	..	..
Antigua and Barbuda	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..
Aruba	2009	*5	0	*5	..	..	..
	2010	*5	0	*5	..	0	..
	2011	*5	0	*4	..	0	..
	2012	*4	0	*3	..	0	..
Bahamas	2009	0	0	..	..	..	..
	2010	0	0	..	..	..	..
	2011	0	0	..	..	..	..
	2012	0	0	..	..	..	..
Barbados	2009	4	1	2	1	..	..
	2010	4	1	2	1	..	..
	2011	3	1	2	1	..	..
	2012	3	1	2	1	..	..
Belize	2009	13	3	9	..	1	..
	2010	14	3	9	0	1	..
	2011	*15	*3	*11	0	1	..
	2012	*11	*4	*6	0	*1	..
Bermuda	2009	*1	*1	..	..	..	..
	2010	*1	*1	..	..	..	..
	2011	*1	*1	..	..	..	..
	2012	*1	*1	..	..	..	..
British Virgin Islands	2009	0	0	..	..	..	..
	2010	0	0	..	..	..	..
	2011	0	0	..	..	..	..
	2012	0	0	..	..	..	..
Canada	2009	16,072	1,829	6,239	5,679	1,352	973
	2010	16,256	1,875	6,551	5,554	1,297	979
	2011	16,770	1,875	6,941	5,553	1,390	1,011
	2012	17,227	1,862	7,477	5,451	1,412	1,025
Cayman Islands	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..
Costa Rica	2009	103	32	1	..	27	43
	2010	104	34	1	..	27	42
	2011	105	31	1	..	27	46
	2012	106	27	1	..	28	50
Cuba	2009	202	45	116	41	1	..
	2010	200	34	128	38	0	..
	2011	206	42	128	36	0	..
	2012	206	42	127	36	0	..

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
33	8	0	..	..	373	29
34	9	0	..	..	384	29
36	9	0	..	..	394	30
36	8	0	..	..	408	30
37,633	21,163	1,123	1,317	1,267	110,939	204
37,914	22,671	1,161	1,408	-516	113,270	206
37,529	25,280	1,158	1,415	118	112,665	203
34,095	25,784	1,145	952	225	110,691	198
*2	..	..	..	..	*2	*154
*2	..	..	..	..	*2	*155
*2	..	..	..	..	*2	*144
*2	..	..	..	..	*2	*140
*10	0	*2	0	..	*7	*86
*10	0	*2	0	..	*8	*86
*10	0	2	0	..	*7	*84
*10	0	2	0	..	*8	*85
*459	*432	*3	0	..	*28	*273
*458	*433	*3	0	..	*27	*266
*458	*432	*3	0	..	*27	*263
*122	*105	*4	0	..	*17	*162
31	*1	*3	*4	..	24	68
45	*2	*3	*4	..	36	99
40	*2	*3	*7	..	28	76
37	*2	*4	*4	..	28	75
25	2	*5	..	-1	22	78
24	2	6	..	0	20	73
25	2	6	..	0	20	72
24	2	5	..	0	20	70
*8	8	*1	..	..	12	38
8	9	1	..	..	12	40
*8	*10	*1	..	..	*13	*41
*8	*5	*1	..	..	*14	*43
*12	..	*2	*1	..	*10	*151
*12	..	*2	*1	..	*10	*147
*10	..	*1	*1	..	*9	*140
*11	..	*1	*1	..	*10	*158
*2	..	..	..	..	*2	*89
*2	..	..	..	..	*2	*89
*2	..	..	..	..	*2	*89
*2	..	..	..	..	*2	*88
3,266	9,163	32	28	-223	10,338	306
3,276	9,401	47	29	-310	10,366	304
3,510	9,896	40	21	-118	10,440	303
3,449	10,322	42	21	-70	10,362	297
8	..	0	..	..	8	147
8	..	0	..	..	8	144
9	..	0	..	..	8	146
8	..	*1	..	..	8	133
105	8	..	..	-2	201	44
105	6	..	..	0	203	43
105	3	..	..	1	205	43
105	6	..	..	-2	207	43
268	..	*6	*1	..	463	41
373	..	*6	*1	..	566	50
342	..	*6	*1	..	541	48
343	..	*6	*1	..	542	48

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Dominica	2009	0	0	..	..	0	..
	2010	0	0	..	..	0	..
	2011	0	0	..	..	0	..
	2012	0	0	..	..	0	..
Dominican Republic	2009	36	31	..	..	5	..
	2010	36	31	..	..	5	..
	2011	36	31	..	..	5	..
	2012	38	31	..	..	7	..
El Salvador	2009	93	32	..	..	5	55
	2010	95	33	..	..	8	55
	2011	94	32	..	..	7	55
	2012	96	34	..	..	7	55
Greenland	2009	1	0	..	..	1	..
	2010	1	0	..	..	1	..
	2011	*1	0	..	..	*1	..
	2012	*1	0	..	..	*1	..
Grenada	2009	0	0	..	..	..	..
	2010	0	0	..	..	..	..
	2011	0	0	..	..	..	..
	2012	0	0	..	..	..	..
Guadeloupe	2009	*2	0	..	..	0	*2
	2010	*2	0	..	..	0	*2
	2011	*3	0	..	..	*1	*2
	2012	*3	0	..	..	*1	*2
Guatemala	2009	270	215	31	..	11	14
	2010	314	263	28	..	14	10
	2011	339	290	25	..	15	9
	2012	345	295	24	..	16	9
Haiti	2009	128	127	..	..	1	..
	2010	131	130	..	..	1	..
	2011	135	135	..	..	0	..
	2012	140	139	..	..	1	..
Honduras	2009	92	82	..	..	10	..
	2010	93	82	..	..	11	..
	2011	97	86	..	..	11	..
	2012	103	91	..	..	11	..
Jamaica	2009	10	9	..	..	1	..
	2010	6	5	..	..	1	..
	2011	7	6	..	..	1	..
	2012	7	6	..	..	1	..
Martinique	2009	*1	*1	..	..	0	..
	2010	*1	*1	..	..	0	..
	2011	*1	*1	..	..	0	..
	2012	*1	*1	..	..	0	..
Mexico	2009	8,834	572	6,191	1,610	98	363
	2010	8,952	613	6,138	1,757	138	307
	2011	8,990	670	6,081	1,752	137	349
	2012	8,861	666	6,065	1,691	128	311
Montserrat	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..
Netherlands Antilles	2009	0	0	..	..	..	..
	2010	0	0	..	..	..	..
	2011	0	0	..	..	..	..
	2012	0	0	..	..	..	..

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply		
		Aviation	Marine		Total	Per capita	
2	0	0	0	0	..	2	28
*2	0	0	0	0	..	*2	*29
*2	0	0	0	0	..	*2	*28
*2	0	0	0	0	..	*2	*29
277	..	*18	..	..	-1	296	30
292	..	*17	..	..	-2	313	31
300	..	*19	..	..	1	317	31
316	..	*21	..	..	3	330	32
92	5	5	..	..	-1	176	29
91	5	5	..	..	-1	176	28
92	4	5	..	..	-4	181	29
94	3	5	..	..	-7	188	30
10	..	..	..	2	0	9	162
13	..	..	..	3	1	10	186
13	..	..	..	3	-1	11	198
11	..	..	..	3	0	9	162
4	..	0	..	..	0	4	37
4	..	0	..	..	0	4	38
4	..	0	..	..	0	4	36
4	..	0	..	..	0	4	39
*34	..	*6	..	..	..	*30	*67
*34	..	*6	..	..	..	*31	*67
*35	..	6	..	..	..	*31	*68
*35	..	*6	..	..	..	*31	*67
174	34	1	12	6	6	391	28
159	33	3	12	0	0	426	30
164	31	3	13	1	1	456	31
164	27	2	13	4	4	463	31
31	..	1	..	..	..	158	16
29	..	1	..	..	..	159	16
30	..	1	..	..	..	164	16
33	..	2	..	..	..	170	17
109	15	2	0	-2	-2	186	25
116	16	2	0	0	0	191	25
117	14	1	0	0	0	199	26
129	18	2	0	0	0	212	27
114	0	7	1	-9	-9	124	45
116	11	8	3	-2	-2	102	37
122	9	8	3	0	0	109	40
117	9	8	3	1	1	103	37
39	*7	0	*2	..	..	31	77
39	*7	0	*2	..	..	31	76
41	*7	0	*2	..	..	33	83
42	*7	0	*2	..	..	34	84
1,645	3,204	111	33	-17	-17	7,148	61
1,960	3,472	113	34	98	98	7,196	61
2,186	3,369	113	39	128	128	7,526	63
2,337	3,144	120	39	158	158	7,738	64
*1	..	..	0	..	..	*1	*223
1	..	..	0	..	..	1	222
*1	..	..	0	..	..	*1	*226
*1	..	..	0	..	..	*1	*224
571	376	4	93	..	..	98	488
339	172	4	95	..	..	69	334
523	336	4	96	..	..	87	410
537	350	4	95	..	..	88	401

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Nicaragua	2009	69	57	..	..	1	11
	2010	73	59	..	..	2	11
	2011	67	55	..	..	2	10
	2012	75	54	..	..	3	19
Panama	2009	35	21	..	..	14	..
	2010	32	17	..	..	15	..
	2011	31	17	..	..	15	..
	2012	35	16	..	..	19	..
Puerto Rico	2009	1	..	..	..	1	..
	2010	1	..	..	..	1	..
	2011	1	..	..	..	1	..
	2012	1	..	..	..	1	..
St. Kitts-Nevis	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..
St. Lucia	2009	0	0	..	..	..	..
	2010	0	0	..	..	..	..
	2011	0	0	..	..	..	..
	2012	0	0	..	..	..	..
St. Pierre-Miquelon	2009	0	..	..	..	0	..
	2010	0	..	..	..	0	..
	2011	0	..	..	..	0	..
	2012	0	..	..	..	0	..
St. Vincent-Grenadines	2009	0	0	..	..	0	..
	2010	0	0	..	..	0	..
	2011	0	0	..	..	0	..
	2012	0	0	..	..	0	..
Trinidad and Tobago	2009	1,742	1	299	1,442	..	..
	2010	1,785	0	285	1,499	..	..
	2011	1,696	0	267	1,429	..	..
	2012	1,669	0	232	1,437	..	..
Turks and Caicos Islands	2009	0	0	..	..	..	..
	2010	0	0	..	..	..	..
	2011	0	0	..	..	..	..
	2012	0	0	..	..	..	..
United States	2009	70,463	24,632	14,612	20,298	1,265	9,655
	2010	71,972	24,844	15,122	20,939	1,298	9,770
	2011	74,504	25,034	15,799	22,465	1,612	9,595
	2012	75,771	23,501	17,669	23,667	1,546	9,387
America, South	2009	28,454	5,622	16,218	3,969	2,416	228
	2010	29,605	5,990	16,643	4,313	2,424	235
	2011	30,501	6,173	16,977	4,528	2,585	238
	2012	30,747	6,464	16,784	4,719	2,535	244
Argentina	2009	3,413	95	1,552	1,556	122	88
	2010	3,343	94	1,570	1,481	121	77
	2011	3,248	97	1,507	1,461	114	69
	2012	3,160	101	1,453	1,430	107	69
Bolivia (Plur. State of)	2009	579	33	96	442	8	..
	2010	659	34	100	517	8	..
	2011	705	33	103	561	8	..
	2012	802	36	118	639	8	..
Brazil	2009	9,436	2,611	4,849	424	1,412	140
	2010	10,074	2,821	5,113	523	1,460	157
	2011	10,243	2,798	5,166	558	1,552	169
	2012	10,331	2,886	5,122	635	1,513	173

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
61	1	1	..	0	129	22
58	1	1	..	-3	132	23
69	1	1	..	3	130	22
63	1	1	..	0	137	23
218	0	13	108	-11	143	40
225	0	15	113	-20	149	41
221	0	17	101	-23	157	42
232	0	19	*101	-10	156	41
27	..	..	..	..	27	7
27	..	..	..	..	28	7
26	..	..	..	..	27	7
*26	..	..	..	..	*27	*7
*4	..	..	..	..	*4	*71
*4	..	..	..	..	*4	*70
*4	..	..	..	..	*4	*71
*4	..	..	..	..	*4	*73
6	..	..	0	..	6	32
6	..	..	0	..	6	33
6	..	..	0	..	6	33
6	..	..	0	..	6	33
*1	..	..	0	..	*1	*157
*1	..	..	0	..	*1	*165
*1	..	..	0	..	*1	*167
*1	..	..	0	..	*1	*164
*3	0	0	..	..	*3	*32
*3	0	0	..	..	*4	*33
*3	0	0	..	..	*4	*33
*4	0	0	..	..	*4	*33
213	1,139	16	18	-9	790	598
153	1,080	12	14	-13	845	636
192	1,034	13	16	-6	830	623
142	977	7	19	0	808	604
*3	0	..	..	..	*3	*84
*3	0	..	..	..	*3	*86
*3	0	..	..	..	*3	*84
*3	0	..	..	..	*3	*86
29,798	6,768	882	1,014	1,535	90,062	291
29,914	8,021	903	1,095	-263	92,130	295
28,853	10,128	904	1,112	135	91,078	289
25,670	10,806	883	649	149	88,953	280
4,498	11,790	195	362	-77	20,682	53
5,387	12,159	244	355	-117	22,350	57
5,720	12,912	253	349	49	22,658	57
6,035	12,664	287	323	-202	23,710	59
269	447	25	39	-6	3,178	79
396	341	27	49	16	3,307	82
543	319	31	56	29	3,356	82
600	294	31	70	-17	3,382	82
24	359	2	..	-2	244	24
30	423	2	..	-1	265	26
37	460	2	..	6	274	27
42	525	2	..	1	316	30
2,205	1,523	70	156	4	9,888	51
2,772	1,663	82	168	-8	10,941	56
2,890	1,611	91	179	57	11,195	57
2,950	1,462	94	159	-91	11,656	59

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Chile	2009	425	241	28	65	91	..
	2010	385	216	24	65	79	..
	2011	413	258	25	53	77	..
	2012	545	406	21	43	74	1
Colombia	2009	4,164	2,163	1,481	372	148	..
	2010	4,565	2,329	1,695	395	146	..
	2011	5,051	2,509	1,981	383	179	..
	2012	5,216	2,601	2,050	392	173	..
Ecuador	2009	1,187	58	1,079	16	33	0
	2010	1,185	58	1,079	18	31	0
	2011	1,226	60	1,110	16	40	0
	2012	1,245	60	1,120	21	44	0
Falkland Is. (Malvinas)	2009	0	0	..	..	0	..
	2010	0	0	..	..	0	..
	2011	0	0	..	..	0	..
	2012	0	0	..	..	0	..
French Guiana	2009	*2	1	..	..	*1	..
	2010	*3	1	..	..	*2	..
	2011	*3	1	..	..	*2	..
	2012	3	1	..	..	2	..
Guyana	2009	8	8	..	..	..	..
	2010	8	8	..	..	..	..
	2011	10	10	..	..	..	..
	2012	8	8	..	..	..	..
Paraguay	2009	327	128	1	..	198	..
	2010	325	130	1	..	195	..
	2011	334	126	1	..	207	..
	2012	341	123	1	..	217	..
Peru	2009	631	111	277	172	70	0
	2010	810	130	289	319	72	0
	2011	978	128	280	492	78	0
	2012	977	115	282	503	77	1
Suriname	2009	32	1	28	0	3	..
	2010	38	1	33	0	*3	..
	2011	40	1	34	0	*4	..
	2012	40	1	35	0	*4	..
Uruguay	2009	63	44	..	..	19	..
	2010	87	56	1	..	31	..
	2011	84	59	1	..	24	..
	2012	82	61	1	..	20	..
Venezuela(Bolivar. Rep.)	2009	8,184	127	6,826	921	309	..
	2010	8,122	111	6,739	996	276	..
	2011	8,166	92	6,770	1,003	301	..
	2012	7,996	64	6,581	1,056	295	..
Asia	2009	221,266	104,612	72,839	32,806	3,941	7,067
	2010	235,852	112,682	74,952	36,285	4,640	7,293
	2011	247,179	118,945	78,790	39,212	4,644	5,588
	2012	251,940	123,044	78,681	39,977	5,489	4,749
Afghanistan	2009	35	27	..	5	3	..
	2010	41	34	..	5	3	..
	2011	62	53	..	6	3	..
	2012	56	47	..	6	3	..
Armenia	2009	48	14	..	..	7	27
	2010	52	16	..	..	9	27
	2011	56	19	..	..	9	28
	2012	52	19	..	..	8	25

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
906	47	18	34	6	1,226	72
951	26	21	17	-6	1,278	74
1,059	26	18	21	3	1,403	81
1,074	36	29	7	-7	1,553	89
72	2,868	30	18	16	1,305	28
107	3,204	*39	18	7	1,404	30
110	3,750	*50	*13	-3	1,351	29
135	3,901	*54	*7	0	1,389	29
173	797	14	52	-79	576	39
217	815	14	41	-54	586	39
197	798	15	19	-17	608	40
226	850	14	22	-56	641	41
*1	..	..	..	..	*1	*260
*1	..	..	..	..	*1	*247
*1	..	..	..	..	*1	*240
*1	..	..	..	..	*1	*244
*12	..	*2	..	..	*13	*57
*12	..	*2	..	..	*13	*55
*12	..	*2	..	..	*13	*55
*11	..	*2	..	..	*13	*53
22	..	0	..	0	30	39
24	..	0	..	0	32	41
25	..	0	..	0	34	44
28	..	1	..	0	36	45
62	169	1	..	1	218	34
66	163	1	..	-4	231	36
69	172	1	..	-5	234	36
74	177	1	..	-2	238	36
284	173	24	7	-9	719	25
310	293	27	10	-13	803	27
319	405	33	10	-13	862	29
340	429	28	10	-59	910	30
13	6	..	..	0	39	75
20	20	..	..	0	39	74
18	25	..	..	0	33	62
21	24	..	..	0	37	69
138	7	3	21	-5	175	52
118	11	3	19	1	171	51
121	2	4	16	-6	189	56
146	4	4	12	8	201	59
*317	5,394	6	35	-4	3,071	107
*362	5,200	25	34	-54	3,280	113
*320	5,343	6	35	-2	3,105	105
*387	4,961	26	37	22	3,337	111
78,694	75,849	1,949	3,503	2,081	216,578	53
85,832	81,011	2,192	3,943	5,236	229,303	55
89,899	86,457	2,386	4,064	2,731	241,441	57
96,515	86,385	2,445	3,949	2,601	253,075	59
78	1	0	..	..	112	4
97	1	0	..	..	137	5
125	1	0	..	..	185	6
254	1	0	..	..	308	10
77	2	1	..	0	122	41
*76	4	*2	..	*3	*120	*40
90	9	*2	..	0	135	45
103	9	*2	..	0	145	49

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Country or area	Year	Primary energy production					Heat
		Total	Solids	Liquids	Gases	Electricity	
Azerbaijan	2009	*2,720	3	*2,138	571	8	..
	2010	2,759	3	2,157	586	12	..
	2011	2,525	4	1,937	575	10	..
	2012	2,458	4	1,842	606	7	..
Bahrain	2009	821	0	400	421	..	..
	2010	840	0	401	439	..	..
	2011	857	0	419	438	..	..
	2012	825	0	383	442	..	..
Bangladesh	2009	1,243	590	10	642	2	..
	2010	1,300	590	11	696	3	..
	2011	1,307	592	10	701	3	..
	2012	1,347	598	10	736	3	..
Bhutan	2009	70	45	..	..	25	..
	2010	73	47	..	..	26	..
	2011	73	48	..	..	25	..
	2012	72	48	..	..	25	..
Brunei Darussalam	2009	791	0	353	438	..	..
	2010	775	0	345	430	..	..
	2011	780	0	332	448	0	..
	2012	773	0	333	440	0	..
Cambodia	2009	151	151	..	..	0	..
	2010	152	152	..	..	0	..
	2011	159	159	..	..	0	..
	2012	165	163	..	..	2	..
China	2009	78,256	64,240	8,015	2,860	2,382	757
	2010	85,079	69,628	8,587	3,181	2,885	798
	2011	89,847	74,035	8,582	3,444	2,855	933
	2012	93,752	76,685	8,776	3,648	3,590	1,052
China, Hong Kong SAR	2009	0	..	..	..	0	..
	2010	0	..	..	..	0	..
	2011	0	..	..	..	0	..
	2012	0	..	..	..	0	..
China, Macao SAR	2009	*2	*2	..	..	..	..
	2010	*2	*2	..	..	..	..
	2011	*2	*2	..	..	..	..
	2012	*2	*2	..	..	..	..
Cyprus	2009	3	1	0	0	0	2
	2010	4	1	0	0	0	3
	2011	4	0	0	0	0	3
	2012	4	0	0	0	1	3
Georgia	2009	49	20	2	0	26	..
	2010	58	22	2	0	34	..
	2011	54	22	2	0	29	..
	2012	53	23	2	0	27	..
India	2009	24,663	20,770	1,639	1,668	385	201
	2010	25,386	21,063	1,793	1,834	412	284
	2011	25,799	21,589	1,816	1,672	373	349
	2012	26,206	22,211	1,801	1,429	410	355
Indonesia	2009	14,792	9,698	2,279	2,440	41	335
	2010	16,799	11,343	2,230	2,827	64	337
	2011	17,595	12,137	2,102	2,975	45	337
	2012	18,358	13,132	2,025	2,817	46	*339
Iran(Islamic Rep. of)	2009	15,302	83	10,364	4,829	27	..
	2010	15,644	81	10,474	5,054	35	..
	2011	15,812	84	10,396	5,284	44	4
	2012	13,471	110	7,804	5,492	46	20

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
2	2,185	13	3	17	504	56
2	2,221	17	3	34	486	53
2	1,989	19	3	-11	527	57
2	1,869	16	4	13	558	60
503	796	29	3	0	496	416
*400	689	28	3	0	520	415
*368	675	26	3	-1	522	404
*355	632	24	3	-6	527	400
177	4	11	3	10	1,392	9
222	10	13	3	4	1,493	10
217	8	15	3	-39	1,537	10
235	6	14	4	-38	1,597	10
5	20	0	..	..	55	78
7	21	0	..	..	59	82
7	21	0	..	..	60	82
8	19	0	..	..	62	83
4	654	4	3	6	128	324
6	645	5	4	-7	136	339
11	619	5	4	2	162	399
16	620	4	3	1	162	392
55	..	1	..	..	205	15
59	..	1	..	..	210	15
65	..	1	..	..	223	15
66	..	1	..	..	229	15
13,193	1,998	102	157	2,654	86,539	64
16,338	2,108	221	349	4,862	93,877	69
17,535	1,947	248	369	2,767	102,051	75
20,417	1,664	262	360	3,356	108,527	79
1,262	46	209	412	51	545	78
1,320	31	231	390	128	541	77
1,259	37	243	383	*8	588	83
1,196	40	240	347	*2	568	79
29	..	..	..	0	31	59
28	..	..	..	0	30	57
*29	..	..	..	0	*30	*55
*29	..	..	..	0	*31	*55
123	..	12	9	-1	107	98
124	..	12	8	5	103	94
112	..	13	8	-5	100	90
111	..	12	8	1	94	83
91	6	3	..	0	131	30
90	9	3	..	0	137	31
112	6	2	..	1	158	36
121	4	*2	..	0	168	39
8,887	2,217	208	..	-380	31,505	26
9,273	2,674	208	..	291	31,485	26
10,398	2,693	208	..	200	33,096	27
11,881	2,904	208	..	-91	35,066	28
1,714	7,881	3	10	-34	8,646	36
1,882	10,218	5	8	0	8,450	35
2,009	9,773	30	8	-189	9,981	41
2,210	10,382	32	8	-73	10,219	41
653	6,591	53	83	144	9,084	124
694	6,955	54	97	80	9,152	123
578	6,994	51	93	-89	9,343	124
279	4,070	50	79	-124	9,674	127

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Iraq	2009	5,251	1	4,933	306	12	..
	2010	5,273	1	4,984	271	17	..
	2011	5,812	1	5,586	210	15	..
	2012	6,420	1	6,193	206	20	..
Israel	2009	137	2	0	91	0	44
	2010	162	2	0	112	0	47
	2011	197	2	1	148	1	46
	2012	137	2	1	86	1	46
Japan	2009	3,897	271	30	143	300	3,152
	2010	4,127	408	28	134	324	3,232
	2011	2,154	439	27	134	335	1,219
	2012	1,186	430	25	128	314	288
Jordan	2009	10	3	0	7	0	..
	2010	9	3	0	6	0	..
	2011	9	3	0	6	0	..
	2012	8	3	0	5	0	..
Kazakhstan	2009	6,401	1,856	3,258	1,262	25	..
	2010	6,770	2,035	3,393	1,314	29	..
	2011	6,960	2,133	3,410	1,388	28	..
	2012	7,029	2,211	3,375	1,415	28	..
Korea, Dem.Ppl's.Rep.	2009	872	827	..	..	45	..
	2010	872	824	..	..	48	..
	2011	843	795	..	..	48	..
	2012	848	800	..	..	49	..
Korea, Republic of	2009	1,831	159	30	26	15	1,601
	2010	1,855	163	34	29	19	1,611
	2011	1,941	181	33	26	23	1,678
	2012	1,908	196	34	26	22	1,631
Kuwait	2009	5,384	0	4,974	410	..	..
	2010	5,557	0	5,137	420	..	..
	2011	6,366	0	5,883	483	..	..
	2012	7,136	0	6,591	545	..	..
Kyrgyzstan	2009	50	9	3	1	37	..
	2010	53	8	4	1	40	..
	2011	67	12	3	1	51	..
	2012	73	17	3	1	51	..
Lao People's Dem. Rep.	2009	76	63	..	..	13	..
	2010	79	67	..	..	12	..
	2011	78	66	..	..	13	..
	2012	82	70	..	..	*13	..
Lebanon	2009	8	5	..	..	2	1
	2010	9	5	..	..	3	1
	2011	9	5	..	..	3	1
	2012	9	5	..	..	4	1
Malaysia	2009	3,461	99	1,398	1,940	24	..
	2010	3,449	103	1,408	1,915	23	..
	2011	3,393	116	1,272	1,977	27	..
	2012	3,367	113	1,291	1,931	33	..
Maldives	2009	0	0	..	..	..	..
	2010	0	0	..	..	..	..
	2011	0	0	..	..	..	..
	2012	0	0	..	..	..	..
Mongolia	2009	336	325	11	..	..	..
	2010	605	592	13	..	..	..
	2011	790	775	15	..	..	..
	2012	732	711	21	..	..	..

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
110	4,034	..	..	-15	1,342	44
118	3,953	..	..	1	1,436	46
417	4,525	40	7	-2	1,658	52
521	5,052	16	7	-6	1,871	57
955	147	34	15	0	897	123
1,021	169	34	14	0	966	130
987	207	36	13	-37	966	128
1,098	164	35	13	11	1,013	132
16,855	753	216	187	-168	19,765	155
17,904	751	229	184	-5	20,872	164
18,245	607	256	163	45	19,328	152
18,749	583	268	161	34	18,889	148
317	1	5	2	-2	322	52
310	4	5	1	5	303	47
290	0	5	0	-12	305	45
334	0	6	1	7	329	47
435	*3,960	8	0	-10	2,879	183
486	*3,821	9	0	89	3,338	210
449	*3,967	7	1	-74	3,508	218
560	*4,226	9	0	66	3,289	202
42	78	..	..	..	836	34
43	120	..	..	..	795	32
42	293	..	..	..	591	24
62	315	..	..	..	596	24
10,121	1,850	153	336	52	9,561	198
11,144	1,915	166	360	117	10,441	215
11,787	2,293	168	350	44	10,874	223
12,002	2,459	168	341	-49	10,992	224
31	4,054	34	16	12	1,300	456
95	4,271	31	22	-22	1,350	451
118	5,041	30	43	-18	1,388	444
91	5,584	35	45	-5	1,568	482
107	21	15	..	0	121	23
86	11	12	..	1	115	22
86	15	2	..	-3	139	26
116	10	2	..	4	172	32
*9	13	..	..	..	73	12
*9	13	..	..	..	75	12
*9	*14	..	..	..	74	11
*9	*14	..	..	..	78	12
273	..	8	1	..	272	64
263	..	10	1	..	261	60
262	..	10	1	..	259	58
293	..	9	1	..	292	63
1,381	1,940	*63	*2	*10	2,827	102
1,652	*2,094	*71	3	*-9	2,942	104
1,720	1,922	76	8	57	3,049	106
1,850	2,086	75	2	-72	3,126	107
15	..	..	*2	..	14	43
15	..	..	*2	..	14	42
16	..	..	*2	..	15	45
21	..	..	*2	..	19	56
34	194	..	..	24	151	57
36	443	..	..	37	161	59
44	564	..	..	35	236	86
*50	560	..	..	-55	276	99

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Myanmar	2009	944	447	41	437	19	..
	2010	959	450	40	448	22	..
	2011	984	457	39	462	*27	..
	2012	990	465	36	461	*28	..
Nepal	2009	170	156	..	3	11	..
	2010	170	156	..	3	12	..
	2011	172	157	..	2	13	..
	2012	168	154	..	*2	13	..
Oman	2009	2,581	0	1,719	862	..	..
	2010	2,869	0	1,925	944	..	..
	2011	2,877	0	1,878	999	..	..
	2012	3,098	0	2,054	1,043	..	..
Other Asia	2009	533	51	1	12	16	453
	2010	538	55	1	10	19	454
	2011	564	69	4	11	19	459
	2012	552	67	5	13	26	441
Pakistan	2009	2,089	583	148	1,226	101	31
	2010	2,113	594	148	1,220	115	37
	2011	2,205	622	149	1,275	103	57
	2012	*2,220	617	*167	*1,279	*107	*49
Philippines	2009	855	266	45	137	36	372
	2010	865	307	43	129	28	357
	2011	882	310	39	140	35	358
	2012	897	318	36	137	37	369
Qatar	2009	5,930	0	2,600	3,331	..	..
	2010	7,428	0	2,936	4,492	..	..
	2011	8,802	0	3,169	5,634	..	..
	2012	9,184	0	3,269	5,915	..	..
Saudi Arabia	2009	21,609	..	19,421	2,188	0	..
	2010	22,115	..	19,607	2,508	0	..
	2011	24,664	..	22,110	2,554	0	..
	2012	26,010	..	23,236	2,773	0	..
Singapore	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..
Sri Lanka	2009	172	158	..	..	14	..
	2010	184	164	..	..	21	..
	2011	180	164	..	..	17	..
	2012	173	161	..	..	12	..
State of Palestine	2009	7	3	..	..	..	5
	2010	9	4	..	..	..	5
	2011	9	4	..	..	..	5
	2012	8	3	..	..	..	5
Syrian Arab Republic	2009	1,007	0	790	210	7	..
	2010	1,165	0	852	303	9	..
	2011	1,056	0	777	267	12	..
	2012	567	0	360	195	12	..
Tajikistan	2009	62	3	1	1	57	..
	2010	64	3	1	1	59	..
	2011	64	4	1	1	58	..
	2012	70	7	1	0	61	..
Thailand	2009	2,666	1,032	648	960	26	0
	2010	2,929	1,108	746	1,055	20	0
	2011	*3,070	*1,221	*721	*1,098	29	0
	2012	*3,176	*1,171	*752	*1,223	30	0

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
19	340	1	0	2	620	12
10	372	1	0	-5	602	12
10	362	1	0	-3	635	12
56	364	1	0	0	680	13
50	0	3	..	..	218	8
59	0	3	..	..	226	8
63	0	*4	..	..	231	9
72	0	*4	..	..	236	9
11	1,990	14	5	14	569	214
25	2,063	18	9	-62	866	309
15	1,886	17	6	-85	1,068	353
14	1,952	18	1	-67	1,208	364
4,591	797	77	67	-21	4,204	182
4,866	672	87	72	-1	4,574	198
4,628	567	87	66	-23	4,495	194
4,657	695	92	48	7	4,369	188
899	64	8	9	13	2,892	17
927	70	7	7	2	2,954	17
862	39	9	4	0	3,015	17
*866	*37	*9	*4	*-5	*3,043	*17
768	109	44	8	-50	1,512	16
937	167	44	8	11	1,572	17
908	144	48	9	8	1,581	17
958	124	48	8	-35	1,711	18
30	4,922	42	..	-12	1,008	645
23	6,235	49	..	3	1,165	666
4	7,419	64	..	-7	1,331	697
0	7,539	79	..	-13	1,579	770
458	15,201	85	105	-243	6,919	258
405	14,940	90	106	-319	7,703	283
433	17,242	93	111	257	7,395	266
707	18,428	96	115	-243	8,320	294
5,923	3,438	*194	1,474	64	753	152
6,178	3,625	*217	1,655	-31	712	140
6,644	3,878	*254	1,747	-36	801	154
6,566	3,406	*283	1,728	-69	1,217	229
178	0	4	6	-6	346	17
187	1	6	10	-7	360	17
224	3	14	12	-4	381	18
242	0	17	11	8	380	18
45	0	..	..	0	52	13
45	0	..	..	0	54	13
50	0	..	..	0	59	14
50	0	..	..	0	58	14
258	366	2	46	-43	894	42
238	424	1	46	20	911	42
179	307	1	40	45	841	39
125	38	1	21	0	632	29
45	16	1	..	..	90	12
31	2	1	..	..	93	12
28	2	1	..	..	89	11
33	2	1	..	..	100	13
2,618	554	..	..	28	4,702	71
2,696	532	..	..	34	5,059	76
2,594	490	..	..	*-18	5,192	78
2,826	549	..	..	*59	5,393	81

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Timor-Leste	2009	204	1	203	..	..	..
	2010	186	1	185	..	..	..
	2011	178	1	177	..	..	..
	2012	169	1	168	..	..	..
Turkey	2009	1,270	922	102	26	135	86
	2010	1,352	921	106	26	197	100
	2011	1,345	897	101	29	205	113
	2012	1,282	799	100	27	229	126
Turkmenistan	2009	1,725	0	424	1,301	0	..
	2010	1,982	0	437	1,545	0	..
	2011	2,737	0	479	2,258	0	..
	2012	2,853	0	499	2,355	0	..
United Arab Emirates	2009	7,018	..	5,363	1,655	..	..
	2010	7,286	..	5,546	1,740	..	..
	2011	7,860	..	6,086	1,774	..	..
	2012	8,128	..	6,286	1,841	..	..
Uzbekistan	2009	2,373	54	197	2,089	34	..
	2010	2,303	54	166	2,044	39	..
	2011	2,394	57	157	2,144	37	..
	2012	2,376	57	140	2,140	40	..
Viet Nam	2009	2,763	1,668	706	281	108	..
	2010	2,749	1,669	648	330	101	..
	2011	2,808	1,706	656	298	149	..
	2012	2,860	1,618	722	329	192	..
Yemen	2009	627	4	593	29	..	..
	2010	803	4	566	234	..	..
	2011	778	4	422	352	..	..
	2012	629	4	340	284	..	..
Europe	2009	98,155	19,885	30,547	31,426	3,126	13,171
	2010	102,729	21,251	30,417	34,165	3,336	13,560
	2011	102,457	21,899	29,974	33,807	3,238	13,539
	2012	103,012	22,937	29,647	33,467	3,603	13,358
Albania	2009	52	9	24	0	19	..
	2010	68	9	31	0	28	..
	2011	61	9	38	1	14	..
	2012	68	9	44	1	15	..
Andorra	2009	0	0	..	..	0	..
	2010	1	0	..	..	0	..
	2011	0	0	..	..	0	..
	2012	0	0	..	..	0	..
Austria	2009	502	217	57	67	154	7
	2010	526	248	56	69	146	8
	2011	503	244	52	68	131	9
	2012	555	256	49	74	168	9
Belarus	2009	168	87	74	7	0	..
	2010	173	92	73	7	0	..
	2011	179	98	72	8	0	..
	2012	172	92	71	8	0	..
Belgium	2009	609	73	13	5	5	512
	2010	635	85	15	5	8	521
	2011	741	181	17	5	13	525
	2012	660	176	18	7	19	441
Bosnia and Herzegovina	2009	184	161	..	..	22	..
	2010	182	153	..	..	29	..
	2011	193	177	..	..	16	..
	2012	188	173	..	..	15	..

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
*3	*203	..	..	..	*4	*4
*3	*185	..	..	..	*4	*3
*3	*177	..	..	..	*4	*3
*3	*168	..	..	..	*4	*3
3,185	233	61	11	36	4,114	58
3,407	300	52	16	-28	4,419	61
3,726	354	50	6	-55	4,716	65
4,108	362	44	8	57	4,918	66
..	870	21	..	..	834	167
..	1,007	23	..	..	951	189
..	1,678	21	..	..	1,037	203
..	1,762	18	..	..	1,073	207
1,264	5,048	182	510	..	2,542	329
1,294	5,226	190	546	..	2,618	310
1,381	5,747	198	581	..	2,715	304
1,468	5,929	208	599	..	2,859	311
45	571	..	..	..	1,847	67
45	544	..	..	..	1,805	65
46	462	..	..	..	1,978	70
46	401	..	..	..	2,022	71
613	1,229	22	12	-69	2,184	25
482	879	29	13	5	2,305	26
534	821	31	14	-26	2,502	28
466	810	32	14	-72	2,540	28
154	453	6	4	..	318	14
170	616	5	5	..	347	15
178	661	3	4	..	288	12
214	548	2	4	..	289	12
65,687	52,755	2,202	2,201	771	105,914	143
67,551	54,883	2,200	2,281	-1,204	112,120	151
67,700	54,607	2,272	2,340	253	110,685	149
67,541	55,665	2,249	2,138	-118	110,618	149
62	18	1	..	5	91	29
53	28	1	..	4	88	28
68	36	1	..	1	91	29
59	42	1	..	-1	85	27
9	0	0	..	..	10	122
9	0	0	..	..	10	123
9	0	0	..	..	9	117
*9	0	0	..	..	*9	*116
1,178	296	27	1	17	1,341	160
1,247	337	29	1	-39	1,445	172
1,277	287	30	1	61	1,402	166
1,300	403	29	1	24	1,398	165
1,663	731	..	..	-21	1,121	118
1,469	489	..	..	-7	1,160	122
1,774	743	..	..	-26	1,236	131
1,945	829	..	..	9	1,279	136
3,247	1,186	83	295	-37	2,329	214
3,463	1,192	66	321	7	2,511	230
3,323	1,241	63	285	12	2,463	224
3,327	1,379	58	256	-24	2,318	210
119	41	0	..	4	256	67
137	53	0	..	-3	269	70
150	51	0	..	-2	294	77
131	38	0	..	3	278	73

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Bulgaria	2009	410	226	2	1	13	169
	2010	442	247	2	3	21	170
	2011	517	304	2	15	14	182
	2012	491	282	1	13	19	176
Croatia	2009	170	18	35	92	24	0
	2010	176	20	32	93	30	1
	2011	158	27	29	84	17	1
	2012	144	29	28	69	18	1
Czech Republic	2009	1,305	966	20	13	10	296
	2010	1,342	988	20	16	13	305
	2011	1,361	997	21	18	16	308
	2012	1,357	965	21	25	17	330
Denmark	2009	995	101	550	319	24	1
	2010	968	109	518	312	28	1
	2011	855	101	466	251	35	1
	2012	787	100	426	222	37	2
Estonia	2009	172	171	..	0	1	..
	2010	204	203	..	0	1	..
	2011	211	209	..	0	1	..
	2012	213	211	..	0	2	..
Faeroe Islands	2009	0	..	..	..	0	..
	2010	0	..	..	..	0	..
	2011	0	..	..	..	0	..
	2012	0	..	..	..	0	..
Finland	2009	689	371	11	2	47	258
	2010	724	412	13	2	48	250
	2011	713	401	9	2	47	253
	2012	717	389	12	2	62	252
France	2009	5,345	489	144	45	236	4,431
	2010	5,619	539	140	42	264	4,634
	2011	5,640	476	130	37	214	4,784
	2012	5,583	520	140	36	281	4,605
Germany	2009	5,289	2,589	298	692	230	1,479
	2010	5,407	2,676	294	643	252	1,542
	2011	5,161	2,700	287	673	309	1,193
	2012	5,161	2,764	272	669	354	1,102
Gibraltar	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..
Greece	2009	422	376	6	3	29	8
	2010	396	338	9	2	37	9
	2011	403	355	8	3	29	9
	2012	437	379	9	4	36	9
Guernsey	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..
Hungary	2009	460	132	58	97	2	172
	2010	461	136	52	95	3	175
	2011	450	134	47	91	3	175
	2012	442	131	55	76	4	176
Iceland	2009	246	0	..	0	44	202
	2010	243	0	..	0	45	198
	2011	252	0	..	0	45	207
	2012	272	0	..	0	44	227

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
500	164	7	9	3	728	98
492	190	7	4	-9	741	100
497	199	7	3	1	803	110
505	220	7	3	-1	767	105
320	134	2	0	-9	363	83
318	131	2	0	5	356	82
301	107	2	1	-2	351	81
287	104	3	0	-6	330	77
845	351	15	..	11	1,773	169
855	373	13	..	-75	1,886	179
883	379	13	..	30	1,822	172
806	350	13	..	26	1,775	167
602	766	33	22	12	764	138
591	731	35	29	-47	812	146
664	713	36	29	-6	748	134
657	683	36	22	-17	721	129
87	32	1	9	12	204	157
79	38	2	9	-2	236	182
78	42	1	8	0	238	184
131	80	2	17	12	233	181
*9	..	0	1	..	*8	*168
*10	..	0	1	..	*9	*180
*9	..	0	1	..	*8	*165
*9	..	0	1	..	*9	*173
1,074	303	22	10	43	1,385	259
1,071	317	23	9	-77	1,523	284
1,132	330	27	8	30	1,450	269
990	342	26	5	-54	1,388	257
6,931	1,352	232	100	-14	10,606	169
6,810	1,279	237	97	-109	10,926	173
6,674	1,379	249	104	58	10,524	165
6,544	1,303	242	98	-71	10,556	165
9,929	1,669	352	114	112	12,971	156
10,353	1,806	347	116	-192	13,681	165
10,009	1,695	335	114	54	12,971	156
10,053	1,723	357	106	-8	13,035	157
108	..	0	101	..	7	249
110	..	0	103	..	7	251
117	..	0	110	..	7	245
118	..	0	111	..	7	249
1,331	386	37	110	-26	1,247	112
1,322	416	29	115	-11	1,169	105
1,255	423	32	116	-44	1,131	102
1,374	545	28	95	18	1,124	101
1	..	..	..	..	1	12
1	..	..	..	..	1	14
1	..	..	..	..	1	18
1	..	..	..	..	1	18
754	128	10	..	33	1,043	104
794	157	10	..	10	1,078	108
739	186	10	..	-55	1,048	105
726	202	7	..	-26	985	99
50	1	5	2	1	288	916
46	0	5	2	-1	283	890
48	0	6	3	0	291	905
34	0	6	2	0	296	910

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Ireland	2009	62	33	2	13	14	0
	2010	78	50	3	12	12	0
	2011	70	41	1	10	18	0
	2012	54	25	1	10	17	0
Isle of Man	2009	0	0	..	..	0	..
	2010	0	0	..	..	0	..
	2011	0	0	..	..	0	..
	2012	0	0	..	..	0	..
Italy	2009	1,121	177	243	293	203	205
	2010	1,226	215	273	309	224	206
	2011	1,304	249	263	336	239	216
	2012	1,337	257	254	344	267	214
Jersey	2009	0	0	..	..	..	..
	2010	0	0	..	..	..	..
	2011	1	1	..	..	..	..
	2012	*1	*1	..	..	..	..
Latvia	2009	88	73	2	0	13	..
	2010	89	73	2	1	13	..
	2011	87	73	2	1	11	..
	2012	98	79	3	2	14	..
Liechtenstein	2009	*2	*2	..	..	0	0
	2010	*2	*2	..	..	0	0
	2011	*2	*2	..	..	0	0
	2012	*3	*2	..	..	0	0
Lithuania	2009	182	42	9	0	2	128
	2010	63	42	9	0	3	9
	2011	64	42	8	0	3	10
	2012	65	42	9	0	3	10
Luxembourg	2009	5	4	..	0	1	0
	2010	5	4	..	0	1	0
	2011	5	4	..	1	1	0
	2012	5	4	..	1	1	0
Malta	2009	0	0	0	0	0	0
	2010	0	0	0	0	0	0
	2011	0	0	0	0	0	0
	2012	0	0	0	0	0	0
Montenegro	2009	26	18	..	..	7	..
	2010	37	28	..	..	10	..
	2011	29	25	..	..	4	..
	2012	29	23	..	..	5	..
Netherlands	2009	2,641	106	98	2,373	17	47
	2010	2,924	110	87	2,668	15	44
	2011	2,695	110	91	2,430	19	46
	2012	2,711	109	120	2,419	19	44
Norway	2009	9,049	129	4,667	3,798	455	1
	2010	8,606	119	4,229	3,833	423	1
	2011	8,162	106	4,004	3,614	438	1
	2012	8,411	99	3,726	4,069	516	0
Poland	2009	2,821	2,603	46	158	12	1
	2010	2,815	2,590	49	159	17	1
	2011	2,861	2,629	45	167	20	1
	2012	2,990	2,741	56	167	24	1
Portugal	2009	206	130	9	1	58	8
	2010	233	119	12	1	92	9
	2011	222	121	14	2	76	10
	2012	192	112	11	2	59	8

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
598	41	24	5	-9	600	136
615	63	31	4	-9	604	135
597	69	29	4	11	554	122
572	75	24	4	-32	555	121
0	0	..	..	..	0	1
0	0	..	..	..	0	2
0	0	..	..	..	0	2
1	0	..	..	..	1	11
7,127	1,169	129	99	-83	6,934	115
7,558	1,296	136	126	69	7,158	118
7,147	1,187	140	105	-20	7,040	116
6,888	1,307	133	104	6	6,674	110
2	..	..	..	..	3	27
2	..	..	..	..	3	27
3	..	..	..	..	3	33
*3	..	..	..	..	*3	*33
163	41	4	11	9	185	88
140	46	5	11	-28	195	93
171	55	5	9	10	179	86
176	62	5	10	11	185	90
*2	..	..	..	..	*4	*116
*2	..	..	..	..	*5	*127
2	..	..	..	..	5	127
2	..	..	..	..	5	129
502	328	2	5	-6	356	115
567	335	2	6	3	285	93
590	350	2	6	0	296	97
582	344	3	5	-4	299	99
191	10	18	..	0	167	335
203	12	18	..	-1	178	351
198	10	17	..	0	176	341
194	10	16	..	1	173	329
85	0	4	48	0	33	78
102	1	4	62	-1	36	85
91	0	4	52	0	35	83
87	0	4	53	1	28	66
19	2	0	..	..	43	70
17	3	0	..	..	51	82
19	3	0	..	..	45	73
16	2	1	..	..	42	68
7,195	5,753	148	592	111	3,232	195
7,657	6,385	145	581	16	3,454	208
7,547	6,355	151	624	-85	3,198	192
7,927	6,707	145	567	-27	3,245	194
289	8,094	15	21	-42	1,250	259
345	7,553	18	16	-1	1,364	279
314	7,250	18	16	25	1,166	236
295	7,432	17	14	10	1,232	247
1,800	493	21	10	119	3,978	104
1,981	599	22	9	-93	4,259	111
2,086	607	21	7	45	4,267	112
1,981	656	23	6	168	4,117	108
978	110	35	20	7	1,012	96
920	146	38	19	-24	975	92
934	149	39	24	-4	948	89
938	183	40	25	-3	886	84

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Republic of Moldova	2009	5	4	1	0	0	..
	2010	4	3	0	0	0	..
	2011	5	4	1	0	0	..
	2012	5	4	0	0	0	..
Romania	2009	1,190	436	196	374	56	128
	2010	1,155	412	183	361	73	126
	2011	1,162	429	184	363	58	128
	2012	1,142	426	174	365	53	125
Russian Federation	2009	49,976	6,701	20,807	20,044	627	1,797
	2010	54,277	7,829	21,360	22,615	599	1,873
	2011	55,213	7,853	21,713	23,148	597	1,902
	2012	55,898	8,726	21,984	22,642	597	1,950
Serbia	2009	427	351	29	9	38	0
	2010	440	346	38	13	43	0
	2011	467	374	45	17	31	0
	2012	450	350	49	18	33	0
Slovakia	2009	239	57	7	4	16	155
	2010	250	59	7	4	19	160
	2011	259	60	8	6	15	169
	2012	261	60	7	8	16	170
Slovenia	2009	153	72	0	1	17	63
	2010	153	72	1	2	16	63
	2011	158	75	0	2	13	69
	2012	148	71	0	2	15	61
Spain	2009	1,252	370	41	9	254	578
	2010	1,413	331	47	13	335	686
	2011	1,420	422	39	13	291	654
	2012	1,459	416	32	14	282	715
Sweden	2009	1,250	416	20	5	246	564
	2010	1,364	460	22	5	252	625
	2011	1,375	435	21	5	261	654
	2012	1,493	460	26	5	310	692
Switzerland	2009	532	90	0	3	129	311
	2010	526	94	0	3	130	298
	2011	513	90	0	3	117	302
	2012	530	96	0	4	140	290
T.F.Yug.Rep. Macedonia	2009	66	61	0	..	5	0
	2010	66	57	0	..	9	0
	2011	71	66	0	..	5	0
	2012	62	58	0	..	4	0
Ukraine	2009	3,270	1,479	170	677	43	902
	2010	3,238	1,422	153	646	48	969
	2011	3,513	1,699	145	650	38	981
	2012	3,554	1,743	145	645	40	980
United Kingdom	2009	6,571	545	2,904	2,321	52	750
	2010	6,195	557	2,684	2,228	50	675
	2011	5,398	577	2,212	1,782	77	750
	2012	4,863	558	1,902	1,543	94	767
Oceania	2009	13,631	10,363	1,195	1,722	157	195
	2010	13,793	10,337	1,101	1,952	170	233
	2011	13,305	9,791	1,042	2,042	190	242
	2012	14,195	10,580	1,028	2,165	176	246
Australia	2009	12,770	10,145	998	1,563	57	8
	2010	12,928	10,093	975	1,782	68	10
	2011	12,483	9,555	945	1,887	84	11
	2012	13,374	10,347	941	1,998	78	11

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
78	1	*1	..	0	81	23
82	1	*1	..	-2	87	24
85	1	*1	..	1	88	25
82	1	*1	..	0	85	24
490	190	6	1	13	1,471	67
485	165	6	1	-7	1,476	68
504	181	6	0	-31	1,510	69
505	169	5	1	2	1,470	68
1,008	23,560	252	..	30	27,143	189
961	25,179	268	65	147	29,580	206
1,284	25,146	276	126	-83	31,031	216
1,160	24,827	284	76	69	31,802	222
244	40	2	..	-4	633	65
253	39	2	..	4	648	67
243	41	2	..	-5	672	70
201	36	2	0	12	602	63
673	201	2	..	17	692	128
661	184	2	..	-12	737	136
688	216	2	..	13	716	132
629	205	2	..	-5	689	126
205	60	1	1	0	295	144
220	68	1	1	0	302	147
210	61	1	1	0	305	148
219	65	1	2	5	294	142
5,235	601	136	365	49	5,336	117
5,105	631	131	352	73	5,331	115
5,113	714	156	360	-25	5,327	115
5,252	1,055	155	352	-125	5,275	113
1,293	550	31	88	-3	1,878	202
1,411	585	30	82	-33	2,112	225
1,351	560	32	72	-6	2,068	219
1,329	686	30	71	-40	2,076	218
796	142	58	0	4	1,123	144
760	136	60	0	-1	1,091	139
735	135	65	0	-8	1,057	133
746	135	66	0	7	1,068	133
68	15	0	..	3	116	55
67	14	0	..	-1	119	57
76	17	0	..	2	129	61
71	10	0	..	0	123	58
2,027	299	10	..	263	4,726	102
2,145	374	12	..	-490	5,487	119
2,415	433	11	..	265	5,220	114
1,951	340	13	..	16	5,136	113
5,797	3,499	478	158	147	8,087	131
6,063	3,530	461	139	-264	8,392	135
6,289	3,259	480	150	37	7,761	124
6,729	3,112	465	131	-70	7,955	127
2,172	9,172	169	53	91	6,317	175
2,263	9,728	186	47	-151	6,247	170
2,416	9,612	187	44	-433	6,310	169
2,458	9,921	179	55	-90	6,588	174
1,707	8,923	129	35	87	5,303	241
1,788	9,532	141	28	-167	5,181	231
1,931	9,449	142	25	-440	5,237	230
1,968	9,768	132	34	-78	5,486	238

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Cook Islands	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..
Fiji	2009	6	4	..	..	2	..
	2010	6	4	..	..	2	..
	2011	7	5	..	..	2	..
	2012	6	4	..	..	2	..
French Polynesia	2009	1	0	..	..	1	..
	2010	1	0	..	..	1	..
	2011	*1	0	..	..	*1	..
	2012	*1	0	..	..	*1	..
Kiribati	2009	0	0	..	..	..	..
	2010	0	0	..	..	..	..
	2011	0	0	..	..	..	..
	2012	0	0	..	..	..	..
Marshall Islands	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..
Micronesia(Fed. States of)	2009	0	0	..	..	0	..
	2010	0	0	..	..	0	..
	2011	0	0	..	..	0	..
	2012	0	0	..	..	0	..
Nauru	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..
New Caledonia	2009	2	..	..	..	2	..
	2010	1	..	..	..	1	..
	2011	2	..	..	..	2	..
	2012	2	..	..	..	2	..
New Zealand	2009	697	152	113	153	93	187
	2010	771	178	111	164	95	223
	2011	742	169	97	149	97	231
	2012	740	167	86	162	90	234
Niue	2009	0	0	..	..	..	..
	2010	0	0	..	..	..	..
	2011	0	0	..	..	..	..
	2012	0	0	..	..	..	..
Palau	2009	0	..	..	..	0	..
	2010	0	..	..	..	0	..
	2011	0	..	..	..	0	..
	2012	0	..	..	..	0	..
Papua New Guinea	2009	150	57	84	5	3	..
	2010	80	57	15	5	4	..
	2011	66	57	0	6	4	..
	2012	66	57	0	*6	*4	..
Samoa	2009	1	1	..	..	0	..
	2010	1	1	..	..	0	..
	2011	1	1	..	..	0	..
	2012	1	1	..	..	0	..
Solomon Islands	2009	*3	*3	..	..	..	..
	2010	*3	*3	..	..	..	..
	2011	*3	*3	..	..	..	..
	2012	*3	*3	..	..	..	..

Table 2

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
*1	..	0	..	..	*1	*49
*1	..	0	..	..	*1	*49
*1	..	0	..	..	*1	*49
*1	..	0	..	..	*1	*49
21	*1	*6	*2	0	18	21
29	*1	*8	*2	0	24	27
*28	0	*8	*2	0	*24	*27
*27	0	*8	*2	0	*22	*26
15	..	0	*2	..	13	50
15	..	0	*2	..	13	50
14	..	0	*2	..	13	47
14	..	0	*2	..	12	46
*1	..	0	..	..	*1	*6
*1	..	0	..	..	*1	*9
*1	..	0	..	..	*1	*9
*1	..	0	..	..	*1	*9
*1	..	..	..	..	*1	*27
*1	..	..	..	..	*1	*28
*1	..	..	..	..	*1	*28
*1	..	..	..	..	*1	*28
2	..	0	..	..	2	23
2	..	0	..	..	2	17
*2	..	0	..	..	*2	*18
*2	..	0	..	..	*2	*20
*1	..	0	..	0	*1	*71
1	..	0	..	0	1	74
*1	..	0	..	0	*1	*71
*1	..	0	..	0	*1	*72
36	0	0	..	..	37	154
47	0	0	..	..	48	194
47	0	0	..	..	48	191
44	0	0	..	..	45	180
310	166	31	14	7	791	183
295	175	32	13	13	832	190
304	163	33	14	8	830	188
307	152	34	15	-13	860	193
0	..	0	..	..	0	*69
0	..	0	..	..	0	*71
0	..	0	..	..	0	*73
0	..	0	..	..	0	*76
*4	..	*1	..	..	*3	*147
*4	..	*1	..	..	*3	*152
*4	..	*1	..	..	*3	*154
*4	..	*1	..	..	*3	*153
64	81	*2	*1	-3	131	20
69	19	*2	*1	2	126	18
71	0	*2	*1	0	134	19
77	0	*3	*1	1	137	19
*3	..	..	..	0	*4	*20
*3	..	..	..	0	*4	*21
3	..	..	..	0	4	22
*4	..	..	..	0	*4	*23
*3	..	0	..	..	*6	*12
*3	..	0	..	..	*6	*11
*3	0	0	..	..	*6	*11
*3	0	0	..	..	*6	*11

Table 2**Components of Total Energy Supply**

Petajoules and Gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Tonga	2009	0	0	..	..	..	..
	2010	0	0	..	..	..	..
	2011	0	0	..	..	..	..
	2012	0	0	..	..	..	..
Vanuatu	2009	1	1	0	..	0	..
	2010	1	1	0	..	0	..
	2011	1	1	0	..	0	..
	2012	1	1	0	..	0	..
Wallis and Futuna Is.	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..

Components of Total Energy Supply

Petajoules and Gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
*2	..	0	0	..	*2	*19
2	..	0	0	..	2	16
2	..	0	0	..	2	15
2	..	0	0	..	2	15
2	0	..	..	0	3	12
2	0	..	..	0	3	11
2	0	..	..	0	3	13
2	0	..	..	0	3	11
0	..	0	..	..	0	27
0	..	0	..	..	0	27
0	..	0	..	..	0	28
0	..	0	..	..	0	26

Table 3

Total final consumption and its components

Petajoules and Gigajoules per capita

Table Notes

Total final consumption refers to all fuel and energy that is delivered to users for both their energy and non-energy uses which do not involve a transformation process.

Non-energy use consists of the use of energy products as raw materials for the manufacture of products outside the scope of energy statistics, as well as for direct uses that do not involve using the products as a source of energy, nor as a transformation input. Examples are lubrication, sealing, preservation, road surfacing, and use as a solvent.

Industry refers to the use of energy products for energy purposes by economic units belonging to manufacturing, construction and non-fuel mining industries, namely the following: Iron and steel, Chemical and petrochemical, Non-ferrous metals, Non-metallic minerals; Transport equipment; Machinery; Mining and quarrying; Food and Tobacco; Paper, pulp and print; Wood and wood products (other than pulp and paper); Textile and leather; Construction; and Industries not elsewhere specified. It excludes the use of energy products for transport.

Transport refers to the consumption of fuels and electricity by any economic entity to transport goods or persons between points of departure and destination within the national territory. As such, it excludes international aviation and shipping, which are included under international marine and aviation bunkers respectively.

Other refers to energy consumed by consumers not classified under Industry. It includes Households, Commerce and public services, Agriculture, Forestry, Fishing, and Not elsewhere specified.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification.

Figure 9: World total final consumption by component, 2012

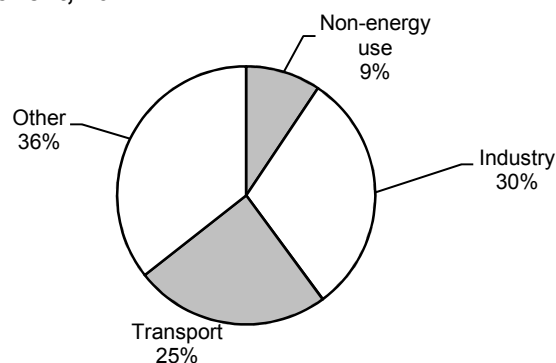


Figure 10: Total final consumption by region, 1993-2012

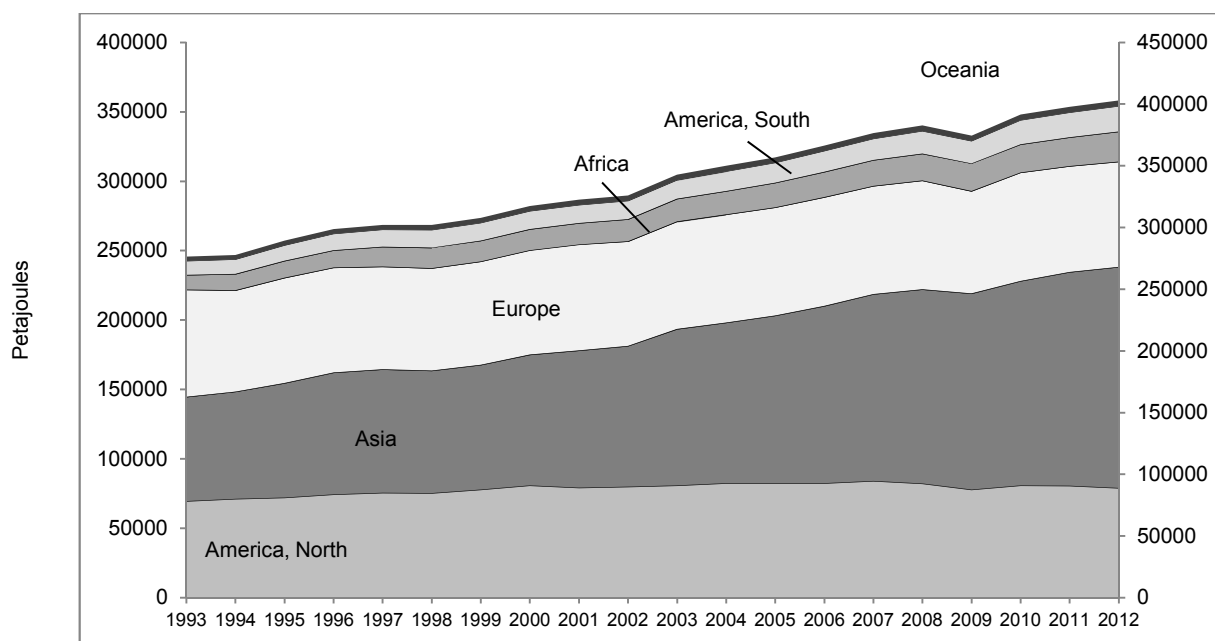


Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
World	2009	327,096	29,634	97,423	80,896	119,143	48
	2010	341,844	32,130	102,663	83,869	123,182	49
	2011	347,224	33,312	105,614	85,182	123,116	50
	2012	351,874	32,809	106,900	87,430	124,735	50
Africa	2009	19,744	724	3,488	3,336	12,197	20
	2010	20,218	728	3,577	3,458	12,456	20
	2011	20,693	686	3,632	3,380	12,994	20
	2012	21,397	702	3,712	3,559	13,424	20
Algeria	2009	1,072	104	190	427	351	29
	2010	1,102	89	219	443	352	30
	2011	1,150	80	225	457	388	30
	2012	1,271	102	222	515	432	33
Angola	2009	*418	8	45	79	*286	*22
	2010	*448	7	49	94	*299	*23
	2011	*459	5	51	95	*307	*23
	2012	*477	5	51	101	*319	*23
Benin	2009	127	..	3	39	86	14
	2010	134	..	3	44	88	14
	2011	139	..	3	46	90	14
	2012	145	..	3	49	93	14
Botswana	2009	57	1	17	25	14	29
	2010	68	1	18	28	22	34
	2011	67	1	20	29	17	34
	2012	70	1	21	30	17	35
Burkina Faso	2009	*122	0	*4	*13	*105	*8
	2010	*124	0	*3	*14	*106	*8
	2011	*130	0	*3	*19	*107	*8
	2012	*136	0	*3	*24	*109	*8
Burundi	2009	*84	0	1	2	*81	*9
	2010	*85	0	*1	2	*82	*9
	2011	*88	1	*1	3	*83	*9
	2012	*89	1	*1	3	*85	*9
Cabo Verde	2009	*5	0	*1	1	*3	*10
	2010	*4	0	*1	1	*2	*9
	2011	*6	0	*2	1	*2	*12
	2012	*4	0	0	1	*2	*8
Cameroon	2009	*244	1	15	35	*193	*12
	2010	*246	1	15	37	*194	*12
	2011	*252	1	14	38	*199	*12
	2012	*259	1	15	40	*204	*12
Central African Rep.	2009	*17	0	0	*2	*15	*4
	2010	*17	0	0	*2	*15	*4
	2011	*18	0	0	*2	*15	*4
	2012	*18	0	0	*2	*15	*4
Chad	2009	*60	0	5	*1	*54	*5
	2010	*61	0	5	*1	*55	*5
	2011	*62	0	5	*1	*56	*5
	2012	*63	0	5	*1	*57	*5
Comoros	2009	*3	0	..	0	*2	*4
	2010	*3	0	..	0	*3	*5
	2011	*4	0	..	0	*3	*5
	2012	*4	0	..	0	*3	*5

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Congo	2009	*42	1	2	17	*23	*11
	2010	*46	1	1	20	*24	*11
	2011	*50	1	2	22	*25	*12
	2012	51	2	2	22	*26	12
Côte d'Ivoire	2009	*219	1	20	22	*177	*12
	2010	*237	1	19	20	*197	*13
	2011	*262	0	19	21	*222	*14
	2012	*287	0	20	32	*235	*14
Dem. Rep. of the Congo	2009	789	2	172	21	595	13
	2010	799	2	173	23	602	13
	2011	848	2	182	29	635	13
	2012	826	2	178	31	615	13
Djibouti	2009	*6	0	*1	*1	*4	*8
	2010	*6	0	*1	*1	*5	*7
	2011	*6	0	0	1	*5	*7
	2012	*7	0	0	1	*5	*8
Egypt	2009	2,255	285	648	568	753	29
	2010	2,317	293	662	543	818	30
	2011	2,459	327	647	470	1,014	31
	2012	2,421	289	640	458	1,033	30
Equatorial Guinea	2009	*43	0	*32	*6	*5	*64
	2010	*44	0	*33	*6	*5	*64
	2011	*57	0	*46	*6	*5	*80
	2012	*62	0	*51	*6	*6	*85
Eritrea	2009	*20	0	1	2	*17	*4
	2010	*20	0	0	2	*18	*4
	2011	*21	0	0	2	*18	*4
	2012	*22	0	1	2	*19	*4
Ethiopia	2009	*1,162	3	22	38	*1,100	*14
	2010	*1,187	3	27	39	*1,118	*14
	2011	*1,216	3	35	41	*1,137	*14
	2012	*1,246	4	42	44	*1,155	*14
Gabon	2009	*72	0	20	6	*45	*48
	2010	*75	0	21	7	*47	*48
	2011	*77	0	21	7	*48	*48
	2012	*77	0	21	7	*49	*47
Gambia	2009	*11	..	0	3	*8	*7
	2010	*11	..	0	*3	*7	*6
	2011	*10	..	0	*3	*7	*6
	2012	*11	..	0	*3	*7	*6
Ghana	2009	213	3	40	68	*102	9
	2010	213	3	40	69	*101	9
	2011	244	*3	39	89	112	10
	2012	276	*3	47	107	120	11
Guinea	2009	*128	*1	*10	*8	*109	*12
	2010	*134	*1	*12	*10	*111	*12
	2011	*135	*1	*13	*10	*111	*12
	2012	*134	*1	*16	*11	*106	*12
Guinea-Bissau	2009	*26	*1	..	*1	*24	*16
	2010	*26	*1	..	*1	*24	*16
	2011	*26	*1	..	*1	*24	*16
	2012	*27	*1	..	*1	*25	*16

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Kenya	2009	*392	2	61	47	*281	*10
	2010	*426	2	71	51	*302	*10
	2011	*415	10	66	63	*277	*10
	2012	*415	12	57	66	*280	*10
Lesotho	2009	*43	..	1	*7	*35	*22
	2010	*44	..	1	*6	*37	*22
	2011	*43	..	1	*5	*37	*21
	2012	*43	..	*1	*6	*37	*21
Liberia	2009	*62	0	0	*2	*59	*16
	2010	*65	0	0	*3	*62	*17
	2011	*69	0	0	*4	*64	*17
	2012	*73	0	0	*5	*68	*17
Libya	2009	537	126	71	215	124	90
	2010	561	135	46	251	129	93
	2011	354	48	22	189	95	58
	2012	491	80	42	234	135	80
Madagascar	2009	*116	0	*4	*12	*100	*6
	2010	*114	*1	*5	*12	*97	*5
	2011	*118	0	*8	*12	*98	*5
	2012	*122	*1	*11	*12	*98	*5
Malawi	2009	*61	*1	*10	*7	*43	*4
	2010	*64	*1	*10	*10	*43	*4
	2011	*64	*1	*11	*10	*43	*4
	2012	*64	*1	*11	*9	*43	*4
Mali	2009	*56	..	3	*5	*48	*4
	2010	*57	..	3	*5	*49	*4
	2011	*58	..	*3	*5	*50	*4
	2012	*59	..	*3	*5	*51	*4
Mauritania	2009	36	0	6	12	*17	10
	2010	36	0	6	13	*16	10
	2011	37	0	7	*12	18	10
	2012	40	0	8	*13	18	10
Mauritius	2009	34	1	9	16	8	28
	2010	36	1	9	18	8	30
	2011	36	1	9	18	9	29
	2012	37	1	8	19	9	30
Morocco	2009	563	19	146	138	259	18
	2010	581	21	147	*146	267	18
	2011	605	21	156	*151	276	19
	2012	633	14	179	*151	289	19
Mozambique	2009	*323	..	70	21	*232	*14
	2010	*334	..	72	23	*239	*14
	2011	*349	..	77	27	*246	*14
	2012	*321	..	80	26	*215	*13
Namibia	2009	59	1	6	23	31	28
	2010	61	1	6	24	31	28
	2011	*58	1	*6	*22	*30	*26
	2012	*63	1	*6	*24	*32	*28
Niger	2009	65	0	4	6	54	4
	2010	69	0	5	8	56	4
	2011	70	0	5	8	57	4
	2012	73	0	*5	*10	58	4

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Nigeria	2009	*4,185	46	*271	334	*3,534	*27
	2010	*4,438	28	*298	390	*3,722	*28
	2011	*4,653	40	*412	351	*3,850	*28
	2012	*4,869	47	*426	362	*4,034	*29
Réunion	2009	40	*1	4	25	11	48
	2010	42	*1	4	25	11	49
	2011	43	*1	3	27	11	50
	2012	42	*1	4	26	11	49
Rwanda	2009	*67	0	*5	*5	*57	*6
	2010	*69	0	*5	*5	*58	*6
	2011	*72	0	*6	*5	*60	*6
	2012	*75	*1	*6	*6	*62	*7
Sao Tome and Principe	2009	*2	0	0	0	*1	*10
	2010	2	0	0	0	1	10
	2011	*2	0	0	0	*1	*10
	2012	*2	0	0	0	*1	*10
Senegal	2009	99	2	15	34	*48	8
	2010	89	1	14	29	46	7
	2011	96	1	17	32	46	7
	2012	93	1	16	29	48	7
Seychelles	2009	*8	0	0	*1	*7	*90
	2010	*7	0	0	*1	*6	*79
	2011	*6	0	0	*1	*4	*62
	2012	*8	0	1	*1	*6	*88
Sierra Leone	2009	*49	0	*1	*4	*44	*9
	2010	*50	0	*1	*5	*44	*9
	2011	*52	0	*1	*6	*46	*9
	2012	*54	0	*1	*6	*47	*9
Somalia	2009	*92	..	*2	2	*88	*10
	2010	*95	..	*2	2	*91	*10
	2011	*95	..	*2	2	*91	*10
	2012	*96	..	*2	2	*92	*9
South Africa	2009	3,089	84	1,162	723	1,120	61
	2010	2,902	102	1,155	692	954	56
	2011	2,909	104	1,077	703	1,026	56
	2012	2,951	101	1,071	704	1,075	56
St. Helena and Depend.	2009	0	..	..	0	0	18
	2010	0	..	..	0	0	20
	2011	0	..	..	0	0	18
	2012	0	..	..	0	0	*23
Sudan	2009	*474	9	*84	107	*274	*11
	2010	*499	9	*86	121	*283	*11
	2011	*491	10	*76	120	*285	*10
	2012	*498	9	*72	119	*297	*10
Swaziland	2009	*36	..	*15	*8	*13	*30
	2010	*36	..	*15	*8	*13	*30
	2011	*36	..	*15	*8	*13	*30
	2012	*37	..	*16	*8	*13	*30
Togo	2009	87	0	3	27	57	14
	2010	85	0	4	22	59	13
	2011	85	0	4	20	61	13
	2012	83	0	3	17	63	13

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Tunisia	2009	288	14	80	79	114	27
	2010	299	16	83	83	116	28
	2011	283	11	77	80	115	26
	2012	296	12	84	80	120	27
Uganda	2009	*379	0	*14	*27	*337	*12
	2010	*388	0	*19	*24	*344	*11
	2011	*396	0	*19	27	*349	*11
	2012	*402	0	*20	*28	*353	*11
United Rep. of Tanzania	2009	706	1	96	41	567	16
	2010	742	1	104	48	588	16
	2011	767	1	112	53	601	17
	2012	807	2	121	66	618	17
Zambia	2009	258	2	59	9	189	20
	2010	267	2	60	10	195	20
	2011	278	2	64	11	201	20
	2012	293	2	70	13	208	21
Zimbabwe	2009	*343	1	37	15	*291	*27
	2010	*353	1	43	16	*293	*27
	2011	*366	1	47	18	*300	*27
	2012	*377	1	50	19	*307	*27
America, North	2009	76,020	7,065	13,924	29,533	25,498	140
	2010	78,939	7,381	15,153	30,593	25,812	144
	2011	78,704	7,336	15,334	30,385	25,649	142
	2012	77,087	6,123	15,205	30,836	24,923	138
Anguilla	2009	*2	..	..	*1	*1	*114
	2010	*2	..	..	*1	*1	*114
	2011	*1	..	..	*1	*1	*104
	2012	*1	..	..	*1	*1	*103
Antigua and Barbuda	2009	*5	0	0	*4	1	*56
	2010	*5	0	0	*3	*1	*52
	2011	*4	0	0	*3	*1	*51
	2012	*5	0	0	*3	*1	*52
Aruba	2009	*6	0	..	*3	*3	*61
	2010	*6	0	..	*3	*3	*62
	2011	*6	0	..	*3	*3	*62
	2012	*6	0	..	*3	*3	*62
Bahamas	2009	15	1	4	*7	4	42
	2010	*18	1	4	*10	4	*50
	2011	*18	0	4	*9	4	*49
	2012	*17	*1	4	*9	3	*47
Barbados	2009	13	..	2	6	5	47
	2010	13	..	2	6	5	47
	2011	12	..	2	6	5	44
	2012	12	..	2	6	5	44
Belize	2009	*9	0	*3	*4	*3	*31
	2010	10	0	3	5	3	34
	2011	*11	0	*3	*5	*3	*34
	2012	*12	0	*4	*4	*3	*36
Bermuda	2009	5	0	..	*2	3	78
	2010	5	0	..	*2	2	75
	2011	5	0	..	*2	2	73
	2012	*6	0	..	*4	2	*94

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
British Virgin Islands	2009	*1	..	0	*1	*1	*52
	2010	*1	..	0	*1	*1	*52
	2011	*1	..	0	*1	*1	*53
	2012	*1	..	0	*1	*1	*52
Canada	2009	8,136	907	2,313	2,336	2,579	241
	2010	8,321	981	2,389	2,429	2,523	244
	2011	8,582	994	2,461	2,441	2,686	249
	2012	8,629	1,078	2,475	2,480	2,596	248
Cayman Islands	2009	5	0	1	2	1	88
	2010	5	0	1	2	1	84
	2011	5	0	1	2	1	85
	2012	5	0	1	2	1	79
Costa Rica	2009	150	3	37	68	42	33
	2010	153	1	37	70	44	33
	2011	152	2	35	72	44	32
	2012	152	2	36	74	40	32
Cuba	2009	347	5	205	29	107	31
	2010	335	5	201	31	97	30
	2011	316	5	180	30	101	28
	2012	450	5	296	*54	94	40
Dominica	2009	*2	..	0	*1	0	*22
	2010	*2	..	0	*1	0	*22
	2011	*2	..	0	*1	0	*22
	2012	*2	..	0	*1	0	*22
Dominican Republic	2009	212	10	51	78	72	21
	2010	225	12	55	85	72	22
	2011	224	11	54	88	70	22
	2012	236	13	53	98	74	23
El Salvador	2009	107	1	27	42	37	17
	2010	108	0	27	42	39	17
	2011	109	1	27	43	38	17
	2012	120	1	34	47	37	19
Greenland	2009	8	0	1	2	6	146
	2010	8	0	1	2	5	141
	2011	8	0	1	2	6	149
	2012	8	0	1	2	6	148
Grenada	2009	3	..	0	1	1	26
	2010	3	..	0	1	1	27
	2011	3	..	0	1	1	25
	2012	3	..	0	1	1	25
Guadeloupe	2009	*17	*1	*1	*8	*7	*38
	2010	*18	*1	*1	*8	*8	*39
	2011	*18	*1	*1	*8	*8	*39
	2012	*18	*1	*1	*8	*8	*39
Guatemala	2009	*297	3	33	78	*184	*21
	2010	*349	1	29	79	*240	*24
	2011	*353	2	33	76	*243	*24
	2012	358	2	33	77	246	24
Haiti	2009	121	0	10	18	93	12
	2010	120	0	11	15	95	12
	2011	124	0	11	15	98	12
	2012	122	0	9	13	99	12

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Honduras	2009	*165	..	36	42	*88	*22
	2010	*166	..	35	41	*89	*22
	2011	*170	..	37	43	*90	*22
	2012	*181	..	41	45	*94	*23
Jamaica	2009	90	1	14	41	34	33
	2010	72	2	25	30	15	26
	2011	78	1	35	28	15	28
	2012	75	1	33	26	15	27
Martinique	2009	*23	0	*2	*11	*11	*58
	2010	*23	0	*2	*11	*11	*58
	2011	*24	0	*2	*12	*11	*60
	2012	*25	0	*2	*12	*11	*61
Mexico	2009	4,596	323	1,090	2,102	1,080	39
	2010	4,739	334	1,157	2,160	1,088	40
	2011	4,844	327	1,228	2,169	1,120	41
	2012	4,881	309	1,267	2,184	1,121	40
Montserrat	2009	*1	..	0	*1	0	*183
	2010	*1	..	0	*1	0	*182
	2011	*1	..	0	*1	0	*183
	2012	*1	..	0	*1	0	*181
Netherlands Antilles	2009	41	6	9	21	5	203
	2010	42	6	9	21	5	200
	2011	42	6	10	21	5	198
	2012	42	6	10	21	5	192
Nicaragua	2009	98	1	20	22	55	17
	2010	103	1	22	23	56	18
	2011	99	1	22	23	52	17
	2012	99	1	22	25	51	17
Panama	2009	119	..	29	47	43	33
	2010	120	..	30	49	41	33
	2011	127	..	36	51	40	34
	2012	134	..	41	52	40	35
Puerto Rico	2009	67	..	11	..	56	18
	2010	68	..	11	..	58	18
	2011	66	..	10	..	56	18
	2012	66	..	10	..	56	18
St. Kitts-Nevis	2009	*3	..	0	*1	*1	*49
	2010	*2	..	0	*1	*1	*47
	2011	*3	..	0	*1	*1	*48
	2012	*3	..	0	*1	*1	*50
St. Lucia	2009	*4	0	0	*2	1	*21
	2010	*4	0	0	*2	2	*21
	2011	*4	0	0	*2	2	*21
	2012	*4	0	0	*2	2	*21
St. Pierre-Miquelon	2009	*1	..	..	0	0	*102
	2010	*1	..	..	0	0	*110
	2011	*1	..	..	0	0	*112
	2012	*1	..	..	0	0	*111
St. Vincent-Grenadines	2009	*3	0	0	*2	*1	*24
	2010	*3	0	0	*2	*1	*24
	2011	*3	0	0	*2	*1	*24
	2012	*3	0	0	*2	*1	*25

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Trinidad and Tobago	2009	557	413	83	42	19	421
	2010	585	433	90	44	19	441
	2011	564	423	78	44	18	423
	2012	560	406	94	43	18	419
Turks and Caicos Islands	2009	*1	..	..	0	*1	*33
	2010	*1	..	..	0	*1	*34
	2011	*1	..	..	0	*1	*33
	2012	*1	..	..	0	*1	*34
United States	2009	60,787	5,388	9,941	24,507	20,951	196
	2010	63,301	5,601	11,009	25,411	21,280	203
	2011	62,721	5,560	11,063	25,177	20,922	199
	2012	60,846	4,297	10,735	25,532	20,282	192
United States Virgin Is.	2009	3	..	1	..	2	26
	2010	3	..	1	..	2	27
	2011	3	..	1	..	2	27
	2012	3	..	1	..	1	24
America, South	2009	15,916	1,053	5,732	5,060	4,072	41
	2010	17,224	1,142	6,347	5,525	4,210	44
	2011	17,644	1,093	6,511	5,804	4,236	44
	2012	18,226	1,117	6,452	6,290	4,367	45
Argentina	2009	2,297	193	677	603	824	57
	2010	2,383	190	687	663	842	59
	2011	2,451	189	697	756	810	60
	2012	2,495	202	680	756	856	61
Bolivia (Plur. State of)	2009	188	1	42	74	70	19
	2010	203	2	42	79	81	20
	2011	216	2	44	86	84	21
	2012	234	2	50	92	90	22
Brazil	2009	8,153	582	3,080	2,652	1,840	42
	2010	9,006	691	3,475	2,948	1,893	46
	2011	9,350	678	3,653	3,124	1,895	47
	2012	9,634	668	3,651	3,360	1,956	48
Chile	2009	938	41	342	286	269	55
	2010	992	43	362	297	291	58
	2011	1,044	30	398	302	315	60
	2012	1,041	31	379	310	321	60
Colombia	2009	938	50	269	297	322	20
	2010	910	25	250	310	325	20
	2011	1,015	*24	297	352	342	22
	2012	1,045	*20	248	433	344	22
Ecuador	2009	429	32	81	196	120	29
	2010	439	27	81	207	124	29
	2011	448	20	89	214	125	29
	2012	473	22	98	225	129	31
Falkland Is. (Malvinas)	2009	*1	..	0	0	0	*223
	2010	*1	..	0	0	0	*223
	2011	*1	..	0	0	0	*217
	2012	*1	..	0	0	0	*221
French Guiana	2009	*10	0	*1	*4	*4	*43
	2010	*10	0	*1	*4	*5	*43
	2011	*10	0	*1	*4	*5	*43
	2012	*11	0	*1	*4	*5	*44

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Guyana	2009	24	0	8	7	9	31
	2010	24	0	8	7	8	30
	2011	26	0	9	8	9	33
	2012	28	0	8	9	10	35
Paraguay	2009	193	1	65	56	71	30
	2010	204	1	68	63	72	32
	2011	207	1	67	66	72	31
	2012	210	1	69	67	72	31
Peru	2009	582	12	169	212	189	20
	2010	631	14	162	243	*212	22
	2011	664	11	176	255	*221	22
	2012	682	30	176	264	213	23
Suriname	2009	25	0	13	6	6	48
	2010	25	0	4	11	10	48
	2011	24	0	4	10	9	45
	2012	27	0	5	12	11	51
Uruguay	2009	143	3	46	40	54	43
	2010	157	3	55	43	56	47
	2011	159	2	54	46	57	47
	2012	162	3	55	47	58	48
Venezuela(Bolivar. Rep.)	2009	1,995	*136	939	628	292	70
	2010	2,240	*146	1,152	650	292	77
	2011	2,028	*136	1,021	581	291	69
	2012	2,182	*139	1,031	712	300	73
Asia	2009	139,577	13,628	55,889	22,817	47,242	34
	2010	145,518	14,834	57,821	23,846	49,017	35
	2011	151,905	16,183	60,271	25,167	50,285	36
	2012	157,093	17,025	61,428	26,889	51,751	37
Afghanistan	2009	95	0	*21	54	*21	3
	2010	132	0	*29	82	*21	5
	2011	177	0	*49	108	*20	6
	2012	302	0	*43	235	*23	10
Armenia	2009	94	*2	21	19	52	32
	2010	*92	*2	*13	*21	*56	*31
	2011	*103	*2	*15	*22	*64	*35
	2012	*109	*2	*17	*23	*68	*37
Azerbaijan	2009	282	22	37	63	160	31
	2010	290	23	31	73	164	32
	2011	318	26	37	85	170	35
	2012	327	27	49	93	158	35
Bahrain	2009	201	75	48	43	35	169
	2010	215	75	55	44	41	172
	2011	216	75	59	41	40	167
	2012	223	83	53	45	42	169
Bangladesh	2009	1,104	76	194	94	740	7
	2010	1,163	68	221	110	763	8
	2011	1,204	66	227	126	784	8
	2012	1,240	63	249	127	801	8
Bhutan	2009	*54	0	5	3	*47	*77
	2010	*57	0	6	4	*47	*79
	2011	*58	0	6	5	*48	*80
	2012	*60	0	7	5	*48	*81

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Brunei Darussalam	2009	46	1	17	16	13	117
	2010	55	20	7	16	12	137
	2011	72	35	7	18	12	178
	2012	79	40	8	19	13	192
Cambodia	2009	173	1	33	26	114	12
	2010	179	1	37	27	114	12
	2011	189	1	37	28	123	13
	2012	198	1	40	30	127	13
China	2009	50,542	2,989	28,100	6,421	13,032	37
	2010	53,569	4,100	28,907	6,817	13,746	39
	2011	57,653	5,284	30,214	7,468	14,687	42
	2012	60,308	5,477	30,951	8,313	15,567	44
China, Hong Kong SAR	2009	290	*1	*35	*70	184	41
	2010	300	*1	*38	*77	184	43
	2011	301	6	36	75	185	42
	2012	303	5	35	74	189	42
China, Macao SAR	2009	19	0	2	4	13	36
	2010	20	0	2	4	14	37
	2011	21	0	1	4	15	39
	2012	23	0	2	4	17	41
Cyprus	2009	73	3	11	31	27	67
	2010	72	4	10	32	27	66
	2011	70	3	9	31	27	63
	2012	64	2	7	29	26	57
Georgia	2009	109	4	19	37	49	25
	2010	115	4	22	36	53	26
	2011	136	10	31	36	59	31
	2012	138	7	30	*37	65	32
India	2009	21,860	1,349	8,922	943	*10,647	18
	2010	*21,271	1,127	8,069	982	*11,092	*18
	2011	*21,886	1,193	8,651	1,006	*11,036	*18
	2012	*22,437	1,356	8,764	1,016	*11,301	*18
Indonesia	2009	6,279	483	2,154	965	*2,678	26
	2010	6,670	414	2,415	1,234	*2,607	28
	2011	*7,354	349	*2,663	1,613	*2,729	*30
	2012	*7,572	331	*2,636	1,807	*2,798	*31
Iran(Islamic Rep. of)	2009	6,990	1,008	1,471	1,759	2,752	95
	2010	6,856	865	*1,602	1,668	2,721	92
	2011	7,124	995	*1,669	1,695	2,765	94
	2012	7,075	939	*1,725	1,762	2,650	93
Iraq	2009	839	46	143	376	275	28
	2010	923	51	147	437	287	30
	2011	958	31	158	480	289	30
	2012	1,023	29	168	514	311	31
Israel	2009	581	56	67	157	300	80
	2010	619	59	86	168	306	83
	2011	588	65	56	176	291	78
	2012	615	64	64	182	305	80
Japan	2009	13,102	1,683	3,426	3,182	4,810	103
	2010	13,524	1,681	3,696	3,214	4,934	106
	2011	13,167	1,580	3,561	3,160	4,866	103
	2012	12,982	1,612	3,452	3,110	4,809	102

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Jordan	2009	210	8	46	83	73	34
	2010	203	7	42	84	70	31
	2011	206	5	40	85	75	31
	2012	217	*5	29	107	77	31
Kazakhstan	2009	1,467	14	768	189	497	93
	2010	1,853	15	1,102	200	536	116
	2011	1,802	16	1,004	208	574	112
	2012	1,757	27	961	223	547	108
Korea, Dem.Ppl's.Rep.	2009	724	..	491	18	215	30
	2010	689	..	463	18	208	28
	2011	510	..	328	18	164	21
	2012	514	..	331	18	165	21
Korea, Republic of	2009	6,224	1,584	1,670	1,227	1,742	129
	2010	6,640	1,641	1,883	1,254	1,861	137
	2011	6,805	1,716	1,997	1,235	1,857	140
	2012	7,012	1,859	1,982	1,269	1,902	143
Kuwait	2009	550	104	151	164	132	193
	2010	586	131	138	175	142	196
	2011	602	131	165	163	143	193
	2012	673	160	186	175	152	207
Kyrgyzstan	2009	98	3	12	32	50	19
	2010	97	3	14	28	52	18
	2011	117	3	15	39	58	22
	2012	147	3	25	56	63	27
Lao People's Dem. Rep.	2009	*69	0	*4	*3	*61	*11
	2010	*69	0	*5	*3	*61	*11
	2011	*71	0	*6	*3	*62	*11
	2012	*75	0	*10	*3	*61	*11
Lebanon	2009	184	4	25	73	83	43
	2010	160	4	22	72	62	37
	2011	158	2	26	72	57	35
	2012	181	3	24	76	77	39
Malaysia	2009	*1,798	*288	*591	*617	*301	*65
	2010	*1,825	*277	*546	*640	*363	*65
	2011	1,891	402	488	644	357	66
	2012	1,998	421	563	649	365	68
Maldives	2009	*11	0	0	*9	*2	*36
	2010	*12	0	0	*10	*2	*36
	2011	*13	0	0	*11	*2	*38
	2012	*17	0	0	*15	*2	*50
Mongolia	2009	111	0	19	16	76	42
	2010	113	0	21	14	78	42
	2011	193	0	88	16	88	70
	2012	231	0	117	19	95	83
Myanmar	2009	*543	6	54	31	*452	*11
	2010	*546	6	54	35	*452	*11
	2011	*562	6	62	35	*460	*11
	2012	*606	6	79	44	*477	*11
Nepal	2009	*212	..	21	*24	*167	*8
	2010	*219	..	26	*26	*167	*8
	2011	*225	..	29	*26	*170	*8
	2012	*230	..	33	*31	*167	*8

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Oman	2009	*449	26	*252	107	65	*169
	2010	*614	32	*393	118	70	*219
	2011	*745	55	*477	137	77	*246
	2012	*898	109	*550	156	84	*271
Other Asia	2009	2,629	818	841	488	482	114
	2010	2,832	893	947	504	488	122
	2011	2,733	755	976	510	491	118
	2012	2,728	795	949	500	483	117
Pakistan	2009	2,268	153	741	475	899	13
	2010	2,276	147	724	490	916	13
	2011	2,340	138	749	512	941	13
	2012	*2,327	*121	*714	*520	*972	*13
Philippines	2009	947	11	224	343	368	10
	2010	988	10	248	350	381	11
	2011	983	10	249	348	377	10
	2012	1,002	12	243	366	381	10
Qatar	2009	533	152	177	147	57	341
	2010	550	146	195	144	65	315
	2011	545	156	178	139	72	285
	2012	659	180	253	146	79	321
Saudi Arabia	2009	4,511	1,734	732	1,409	637	168
	2010	5,006	1,990	863	1,463	690	184
	2011	5,121	2,050	824	1,531	715	184
	2012	5,527	2,228	844	1,672	783	195
Singapore	2009	560	174	197	98	91	113
	2010	654	230	227	104	93	129
	2011	642	215	228	105	94	124
	2012	679	248	*230	105	96	128
Sri Lanka	2009	305	4	69	86	146	15
	2010	327	3	73	100	151	16
	2011	330	6	76	98	151	16
	2012	328	4	79	99	146	16
State of Palestine	2009	41	0	3	12	26	10
	2010	44	1	4	15	24	11
	2011	42	1	*2	13	26	10
	2012	49	0	*5	15	28	12
Syrian Arab Republic	2009	527	48	107	176	196	25
	2010	566	65	141	170	190	26
	2011	523	53	129	166	174	24
	2012	402	36	98	133	134	18
Tajikistan	2009	81	0	26	4	51	11
	2010	85	0	31	4	49	11
	2011	81	0	28	5	48	10
	2012	90	0	28	5	57	11
Thailand	2009	3,066	257	1,001	1,027	781	46
	2010	3,240	279	1,068	1,046	848	49
	2011	*3,344	*312	*1,141	*1,072	*819	*50
	2012	*3,451	*294	*1,157	*1,132	*867	*52
Timor-Leste	2009	*3	..	..	*1	*2	*3
	2010	*3	..	..	*1	*2	*2
	2011	*3	..	..	*1	*2	*2
	2012	*3	..	..	*1	*2	*2

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Turkey	2009	2,961	282	741	634	1,304	42
	2010	3,193	298	908	620	1,367	44
	2011	3,346	259	1,013	630	1,444	46
	2012	3,550	299	1,018	731	1,502	48
Turkmenistan	2009	540	..	72	74	394	109
	2010	607	..	76	88	443	120
	2011	678	..	84	117	476	133
	2012	705	..	97	114	495	136
United Arab Emirates	2009	1,781	74	1,084	363	260	231
	2010	1,852	71	1,119	375	288	219
	2011	1,937	72	1,193	384	288	217
	2012	2,132	75	1,366	396	294	232
Uzbekistan	2009	1,328	68	288	140	833	48
	2010	1,293	64	283	129	818	47
	2011	1,437	71	317	130	919	51
	2012	1,484	73	331	129	952	52
Viet Nam	2009	1,873	*13	713	401	746	21
	2010	1,993	25	764	429	775	22
	2011	2,109	25	830	456	797	23
	2012	2,121	27	784	480	831	23
Yemen	2009	241	4	43	86	109	11
	2010	256	4	46	92	114	11
	2011	221	1	42	82	96	9
	2012	224	1	42	83	99	9
Europe	2009	71,892	6,933	17,137	18,723	29,099	97
	2010	75,943	7,801	18,498	19,007	30,637	103
	2011	74,210	7,767	18,571	18,978	28,894	100
	2012	73,911	7,602	18,783	18,336	29,190	100
Albania	2009	77	3	11	32	*31	24
	2010	77	4	11	32	*30	25
	2011	76	2	13	32	29	24
	2012	70	1	*10	31	28	22
Andorra	2009	*9	0	0	*5	*4	*117
	2010	*9	0	0	*5	*4	*117
	2011	*9	0	0	*5	*4	*111
	2012	*9	0	0	*5	*4	*111
Austria	2009	1,152	73	309	339	432	138
	2010	1,220	75	330	347	469	145
	2011	1,177	69	337	337	435	140
	2012	1,185	75	335	335	441	140
Belarus	2009	806	128	190	151	337	85
	2010	833	116	204	160	353	88
	2011	884	169	206	164	345	94
	2012	962	228	200	172	362	102
Belgium	2009	1,677	326	385	388	579	154
	2010	1,817	351	447	391	629	166
	2011	1,807	327	534	389	557	164
	2012	1,768	323	496	362	587	160
Bosnia and Herzegovina	2009	126	6	21	49	50	33
	2010	134	7	25	48	55	35
	2011	139	8	28	48	55	36
	2012	133	7	28	44	54	35

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Bulgaria	2009	381	25	102	117	137	51
	2010	383	18	107	115	144	52
	2011	403	22	113	117	152	55
	2012	401	20	108	124	150	55
Croatia	2009	292	27	60	88	117	67
	2010	290	26	58	85	122	67
	2011	284	26	54	83	120	66
	2012	268	23	48	81	116	62
Czech Republic	2009	1,089	105	313	265	406	104
	2010	1,141	114	332	253	441	108
	2011	1,099	107	330	254	408	104
	2012	1,075	111	308	247	409	101
Denmark	2009	600	10	98	186	305	109
	2010	633	11	101	185	336	114
	2011	603	12	101	183	306	108
	2012	581	11	96	171	303	104
Estonia	2009	119	5	22	30	62	91
	2010	124	4	24	32	65	95
	2011	120	3	25	32	61	93
	2012	122	4	24	32	63	95
Faeroe Islands	2009	7	0	1	3	4	149
	2010	8	0	1	3	4	159
	2011	7	0	1	3	4	145
	2012	8	0	1	3	4	153
Finland	2009	937	49	319	178	391	175
	2010	1,013	51	356	184	422	189
	2011	955	47	344	184	379	177
	2012	955	43	332	180	400	177
France	2009	6,674	515	1,141	1,873	3,145	106
	2010	6,876	513	1,212	1,873	3,278	109
	2011	6,408	521	1,221	1,866	2,800	101
	2012	6,580	505	1,158	1,896	3,021	103
Germany	2009	9,079	896	2,097	2,244	3,842	109
	2010	9,697	954	2,321	2,275	4,148	117
	2011	9,248	946	2,349	2,296	3,657	112
	2012	9,327	922	2,329	2,277	3,799	113
Gibraltar	2009	6	1	..	5	1	210
	2010	6	1	..	5	1	212
	2011	6	1	..	5	1	205
	2012	6	1	..	5	1	208
Greece	2009	868	38	146	353	330	78
	2010	819	47	146	317	310	74
	2011	801	37	139	284	341	72
	2012	720	30	126	239	325	65
Guernsey	2009	1	..	0	..	1	21
	2010	1	..	0	..	1	21
	2011	1	..	0	..	1	22
	2012	*1	..	0	..	*1	*21
Hungary	2009	750	83	102	192	373	75
	2010	762	86	110	176	391	76
	2011	744	86	107	171	380	74
	2012	686	81	96	162	346	69

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Iceland	2009	126	15	55	13	43	400
	2010	123	14	55	12	42	386
	2011	124	15	56	12	42	385
	2012	113	0	57	11	44	347
Ireland	2009	474	7	88	175	205	108
	2010	475	11	89	167	207	106
	2011	436	12	94	154	176	96
	2012	431	12	95	149	175	94
Isle of Man	2009	2	..	0	..	2	26
	2010	2	..	0	..	2	26
	2011	2	..	0	..	2	24
	2012	2	..	0	..	2	28
Italy	2009	5,293	359	1,214	1,661	2,059	88
	2010	5,471	405	1,256	1,639	2,171	90
	2011	5,343	388	1,212	1,639	2,103	88
	2012	5,168	332	1,184	1,545	2,107	85
Jersey	2009	7	..	2	2	3	71
	2010	7	..	2	2	3	69
	2011	6	..	2	2	3	66
	2012	*7	..	*2	*2	*3	*67
Latvia	2009	169	3	27	44	94	80
	2010	177	3	32	46	96	85
	2011	162	4	31	41	85	78
	2012	168	4	35	39	90	82
Liechtenstein	2009	*4	..	..	..	*4	*116
	2010	*5	..	..	..	*5	*126
	2011	*5	..	..	..	*5	*126
	2012	*5	..	..	..	*5	*129
Lithuania	2009	220	30	34	61	94	71
	2010	226	30	38	63	95	73
	2011	246	51	39	62	93	81
	2012	251	52	42	63	94	83
Luxembourg	2009	156	1	28	88	40	314
	2010	166	1	31	93	41	328
	2011	166	1	28	98	39	322
	2012	162	1	25	94	42	310
Malta	2009	15	0	3	7	5	36
	2010	15	0	2	7	5	36
	2011	15	0	2	7	6	36
	2012	15	0	2	7	6	35
Montenegro	2009	35	..	12	9	14	57
	2010	35	..	9	10	16	56
	2011	32	..	14	6	12	52
	2012	31	..	9	9	12	49
Netherlands	2009	2,530	602	497	491	940	153
	2010	2,724	650	551	491	1,032	164
	2011	2,516	586	540	497	893	151
	2012	2,570	618	526	485	941	154
Norway	2009	842	93	230	197	323	174
	2010	899	96	254	206	342	184
	2011	860	96	252	199	313	174
	2012	855	95	243	196	322	171

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Poland	2009	2,705	196	596	680	1,233	71
	2010	2,893	207	621	723	1,341	76
	2011	2,822	209	607	732	1,274	74
	2012	2,780	196	597	702	1,285	73
Portugal	2009	804	66	219	274	245	76
	2010	811	73	229	273	235	77
	2011	777	74	224	254	225	73
	2012	705	56	194	234	222	66
Republic of Moldova	2009	72	1	7	12	51	20
	2010	78	2	9	15	52	22
	2011	80	2	9	16	54	23
	2012	78	2	10	15	51	22
Romania	2009	987	73	256	223	434	45
	2010	981	65	270	202	444	45
	2011	999	75	282	209	432	46
	2012	1,006	75	266	221	444	46
Russian Federation	2009	17,410	2,201	4,853	3,774	6,582	121
	2010	18,773	2,787	5,311	4,062	6,613	131
	2011	19,288	2,814	5,386	4,145	6,944	134
	2012	19,398	2,814	6,045	3,944	6,595	135
Serbia	2009	367	25	82	92	168	38
	2010	392	34	98	91	169	41
	2011	401	33	110	84	174	42
	2012	355	12	99	74	170	37
Slovakia	2009	461	51	132	98	180	85
	2010	485	45	137	110	192	89
	2011	465	53	138	110	163	85
	2012	433	41	139	99	154	79
Slovenia	2009	208	10	51	72	76	102
	2010	217	9	53	76	80	106
	2011	212	5	51	80	76	103
	2012	209	5	50	80	74	101
Spain	2009	3,839	303	870	1,466	1,201	84
	2010	3,898	298	878	1,446	1,276	84
	2011	3,829	286	885	1,374	1,283	82
	2012	3,650	253	860	1,266	1,270	78
Sweden	2009	1,264	74	374	330	486	136
	2010	1,415	89	447	336	543	151
	2011	1,280	81	371	333	495	135
	2012	1,280	76	369	326	509	135
Switzerland	2009	848	21	158	256	413	109
	2010	885	23	165	255	442	113
	2011	818	24	158	252	384	103
	2012	847	22	159	254	411	105
T.F.Yug.Rep. Macedonia	2009	69	1	16	18	33	33
	2010	73	1	20	19	32	35
	2011	78	3	24	20	31	37
	2012	75	2	22	19	31	35
Ukraine	2009	2,863	182	962	494	1,225	62
	2010	3,129	237	1,077	490	1,325	68
	2011	3,208	254	1,115	531	1,308	70
	2012	3,089	257	1,053	483	1,296	68

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
United Kingdom	2009	5,472	330	1,053	1,689	2,400	89
	2010	5,746	342	1,077	1,691	2,637	93
	2011	5,268	317	1,036	1,669	2,246	84
	2012	5,372	288	1,005	1,653	2,426	86
Oceania	2009	3,948	232	1,252	1,427	1,036	109
	2010	4,002	243	1,267	1,441	1,050	109
	2011	4,068	247	1,294	1,468	1,058	109
	2012	4,159	240	1,320	1,519	1,080	110
American Samoa	2009	1	..	0	..	0	10
	2010	1	..	0	..	0	9
	2011	0	..	0	..	0	9
	2012	0	..	0	..	0	9
Australia	2009	3,242	196	1,042	1,200	804	147
	2010	3,264	203	1,033	1,211	817	146
	2011	3,332	212	1,059	1,236	825	147
	2012	3,418	200	1,088	1,288	843	148
Cook Islands	2009	*1	..	..	*1	0	*36
	2010	*1	..	..	*1	0	*36
	2011	*1	..	..	*1	0	*36
	2012	*1	..	..	*1	0	*35
Fiji	2009	*15	0	*8	*4	*2	*17
	2010	*20	0	*10	*7	*3	*23
	2011	*21	0	*11	*7	*3	*24
	2012	*20	0	*10	*7	*3	*23
French Polynesia	2009	*9	0	..	*5	*3	*33
	2010	*9	0	..	*5	*3	*32
	2011	*8	0	..	*5	*3	*31
	2012	*8	0	..	*5	*3	*30
Guam	2009	6	..	..	..	6	37
	2010	6	..	..	..	6	37
	2011	6	..	..	..	6	36
	2012	6	..	..	..	6	35
Kiribati	2009	0	..	..	0	0	*5
	2010	*1	..	..	0	0	*7
	2011	*1	..	..	0	0	*7
	2012	*1	..	..	0	0	*7
Marshall Islands	2009	0	..	..	..	0	*8
	2010	0	..	..	..	0	*8
	2011	0	..	..	..	0	*8
	2012	0	..	..	..	0	*8
Micronesia(Fed. States of)	2009	*2	..	0	*1	0	*15
	2010	*1	..	0	*1	0	*12
	2011	*1	..	0	*1	0	*13
	2012	*1	..	0	*1	0	*14
Nauru	2009	0	..	..	0	0	*18
	2010	0	..	..	0	0	*19
	2011	0	..	..	0	0	*19
	2012	0	..	..	0	0	*19
New Caledonia	2009	*25	*1	*11	*3	11	*103
	2010	*36	*1	*20	*3	11	*145
	2011	*36	*1	*20	*3	12	*144
	2012	*33	*1	*17	*3	13	*132

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
New Zealand	2009	523	35	156	191	140	121
	2010	538	38	168	191	141	123
	2011	534	34	168	192	140	121
	2012	541	39	168	190	143	121
Niue	2009	0	..	..	0	0	*53
	2010	0	..	..	0	0	*55
	2011	0	..	..	0	0	*57
	2012	0	..	..	0	0	*59
Northern Mariana Islands	2009	*1	..	..	..	*1	*20
	2010	*1	..	..	..	*1	*21
	2011	*1	..	..	..	*1	*21
	2012	*1	..	..	..	*1	*21
Palau	2009	*2	0	0	*1	0	*87
	2010	*2	0	0	*1	0	*87
	2011	*2	0	0	*1	0	*89
	2012	*2	0	0	*1	0	*88
Papua New Guinea	2009	*109	..	*35	*15	*60	*16
	2010	*111	..	*36	*15	*60	*16
	2011	*112	..	*36	*16	*60	*16
	2012	*113	..	*36	*17	*60	*16
Samoa	2009	*3	0	0	*2	*1	*17
	2010	*3	0	0	*2	*1	*17
	2011	4	0	0	2	*1	19
	2012	*4	0	0	*2	*1	*20
Solomon Islands	2009	*5	0	0	*1	*3	*9
	2010	*5	0	0	*1	*4	*9
	2011	*5	0	0	*1	*4	*9
	2012	*5	0	0	*1	*4	*9
Tonga	2009	2	0	..	1	0	16
	2010	1	0	..	1	0	13
	2011	1	0	..	1	0	12
	2012	*1	0	..	*1	0	*12
Tuvalu	2009	0	..	..	..	0	*2
	2010	0	..	..	..	0	*2
	2011	0	..	..	..	0	*2
	2012	0	..	..	..	0	*2
Vanuatu	2009	*2	0	..	*1	*1	*10
	2010	*2	0	..	*1	*1	*10
	2011	*3	0	..	*1	*1	*11
	2012	*2	0	..	*1	*1	*10
Wallis and Futuna Is.	2009	0	..	..	0	0	14
	2010	0	..	..	0	0	*13
	2011	0	..	..	0	0	14
	2012	0	..	..	0	0	*13

Production, trade and supply of coal

Thousand metric tons of coal equivalent and kilograms per capita

Table Notes

Production

Production of hard coal, brown coal, oil shale and peat, together with production from other sources of hard coal and brown coal, which represents recovered slurries, middlings and other low- grade coal products, which cannot be classified according to type of coal and includes coal recovered from waste piles and other waste receptacles.

Imports

Imports of hard coal, brown coal, oil shale, peat, coke oven coke, gas coke, coal tar, patent fuel, brown coal briquettes, peat products and other coal products.

Exports

Exports of hard coal, brown coal, oil shale, peat, coke oven coke, gas coke, coal tar, patent fuel, brown coal briquettes, peat products and other coal products.

Stock changes

Stock changes of hard coal, brown coal, oil shale, peat, coke oven coke, gas coke, coal tar, patent fuel, brown coal briquettes, peat products and other coal products.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification.

Figure 11: Production of coal by region, 1990-2012

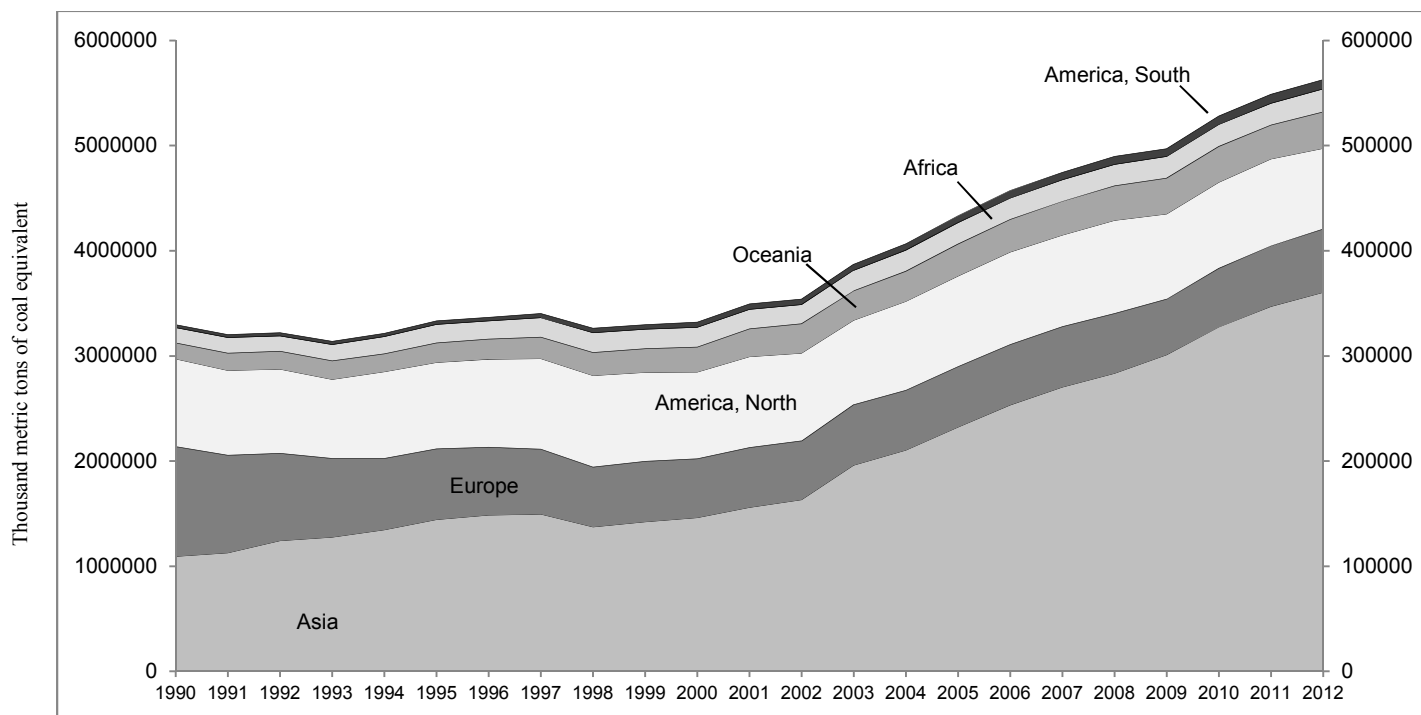


Table 4

Production, trade and supply of coal

Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2009	4,970,975	816,710	834,363	141,154	4,812,168	704
	2010	5,281,008	902,803	1,002,085	119,274	5,062,451	732
	2011	5,488,767	947,230	999,301	62,894	5,373,802	768
	2012	5,627,312	1,053,674	1,071,870	79,552	5,529,564	781
Africa	2009	205,135	11,265	42,913	5,701	167,786	167
	2010	209,584	12,538	54,563	181	167,378	162
	2011	208,619	11,902	56,402	110	164,008	155
	2012	217,511	12,997	64,611	2,125	163,772	151
Algeria	2009	..	366	..	-209	576	16
	2010	..	482	..	-8	490	13
	2011	..	421	..	-1	422	11
	2012	..	405	..	-13	418	11
Botswana	2009	594	0	0	0	594	304
	2010	795	0	0	0	795	404
	2011	634	0	0	0	634	319
	2012	1,184	0	2	605	578	288
Burundi	2009	6	..	..	..	6	1
	2010	7	..	..	..	7	1
	2011	4	..	..	..	4	0
	2012	10	..	..	..	10	1
Egypt	2009	60	1,373	433	..	1,001	13
	2010	33	1,967	460	..	1,540	20
	2011	8	*887	*279	-16	*632	*8
	2012	18	*896	*256	-13	*672	*8
Ethiopia	2009	16	22	..	1	37	0
	2010	32	22	..	10	44	1
	2011	18	124	..	-7	150	2
	2012	22	277	..	0	299	3
Kenya	2009	..	121	..	..	121	3
	2010	..	208	..	..	208	5
	2011	..	337	..	..	337	8
	2012	..	302	..	..	302	7
Lesotho	2009	..	503	..	..	503	253
	2010	..	512	..	..	512	255
	2011	..	*520	..	..	*520	*256
	2012	..	*519	..	..	*519	*253
Madagascar	2009	..	13	..	..	13	1
	2010	..	35	..	..	35	2
	2011	..	134	..	..	134	6
	2012	..	232	..	..	232	10
Malawi	2009	*48	2	*7	..	*42	*3
	2010	*48	5	*7	..	*46	*3
	2011	*48	15	*7	..	*56	*4
	2012	*48	13	*7	..	*54	*3
Mauritius	2009	..	496	..	-32	528	430
	2010	..	585	..	-6	592	481
	2011	..	585	..	17	568	460
	2012	..	646	..	48	598	483
Morocco	2009	..	4,975	..	10	4,965	159
	2010	..	5,205	..	194	5,011	158
	2011	..	5,022	..	-300	5,322	166
	2012	..	5,667	..	144	5,522	170

Table 4

Production, trade and supply of coal

Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Mozambique	2009	33	..	25	0	9	0
	2010	33	..	25	0	9	0
	2011	543	..	143	355	46	2
	2012	3,988	..	2,603	1,371	14	1
Namibia	2009	..	149	..	..	149	70
	2010	..	105	..	..	105	48
	2011	..	26	..	..	26	12
	2012	..	104	..	..	104	46
Niger	2009	177	..	..	-1	178	12
	2010	194	..	..	2	192	12
	2011	193	..	..	*4	189	11
	2012	185	..	..	*4	181	11
Nigeria	2009	30	*3	..	..	33	0
	2010	33	*3	..	..	36	0
	2011	28	*3	..	..	31	0
	2012	42	*3	..	..	45	0
Réunion	2009	..	599	..	26	573	687
	2010	..	608	..	-4	612	724
	2011	..	660	..	59	602	704
	2012	..	604	..	-21	625	722
Senegal	2009	..	278	..	..	278	22
	2010	..	253	..	..	253	20
	2011	..	354	..	..	354	27
	2012	..	307	..	..	307	22
South Africa	2009	201,293	*2,090	41,936	5,909	155,538	3,056
	2010	205,397	2,230	53,581	0	154,047	2,994
	2011	203,921	2,528	55,513	0	150,936	2,905
	2012	208,589	2,740	61,315	0	150,013	2,864
Swaziland	2009	*352	*123	*352	*4	*126	*108
	2010	*308	*116	*308	*-6	*123	*103
	2011	*264	*124	*264	0	*124	*102
	2012	*220	*128	*220	0	*128	*104
United Rep. of Tanzania	2009	0	..	..	..	0	0
	2010	0	..	..	..	0	0
	2011	3	..	..	..	3	0
	2012	70	..	..	..	70	1
Zambia	2009	47	112	6	..	154	12
	2010	0	160	13	..	147	11
	2011	0	115	12	..	103	8
	2012	43	107	15	..	135	10
Zimbabwe	2009	2,479	39	155	..	2,363	183
	2010	2,704	42	169	..	2,577	197
	2011	2,954	46	185	..	2,815	211
	2012	3,092	48	193	..	2,947	215
America, North	2009	811,119	36,767	73,150	33,370	741,365	1,365
	2010	816,929	34,996	95,856	-9,332	765,401	1,395
	2011	825,313	30,048	116,140	6,392	732,829	1,322
	2012	766,299	25,145	131,628	6,589	653,227	1,167
Bahamas	2009	..	*1	..	..	*1	*4
	2010	..	*1	..	..	*1	*4
	2011	..	*1	..	..	*1	*4
	2012	..	*1	..	..	*1	*4

Table 4

Production, trade and supply of coal

Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Bermuda	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	0	..	..	0	1
	2012	..	0	..	..	0	1
Canada	2009	46,378	11,412	24,291	239	33,261	985
	2010	48,222	10,747	28,155	-968	31,783	931
	2011	48,082	9,440	28,707	-98	28,913	838
	2012	47,914	8,036	29,700	17	26,233	753
Costa Rica	2009	..	102	..	..	102	22
	2010	..	92	..	..	92	20
	2011	..	90	..	..	90	19
	2012	..	93	..	..	93	19
Cuba	2009	..	31	..	..	31	3
	2010	..	27	..	..	27	2
	2011	..	5	..	..	5	0
	2012	..	6	..	..	6	1
Dominican Republic	2009	..	1,000	..	..	1,000	101
	2010	..	1,009	..	..	1,009	101
	2011	..	1,165	..	..	1,165	115
	2012	..	1,199	..	..	1,199	117
Guatemala	2009	..	304	..	45	259	19
	2010	..	503	..	70	433	30
	2011	..	503	..	69	434	30
	2012	..	508	..	70	438	29
Honduras	2009	..	157	..	..	157	21
	2010	..	163	..	..	163	21
	2011	..	214	..	..	214	28
	2012	..	217	..	..	217	27
Jamaica	2009	..	29	..	-16	45	16
	2010	..	24	..	-3	27	10
	2011	..	63	..	-7	70	25
	2012	..	83	..	18	64	23
Mexico	2009	7,591	5,446	5	378	12,654	109
	2010	9,035	5,983	6	2,095	12,916	110
	2011	11,128	6,521	9	3,261	14,379	120
	2012	10,755	6,251	216	3,272	13,517	112
Panama	2009	..	60	..	..	60	17
	2010	..	103	..	..	103	28
	2011	..	285	..	..	285	76
	2012	..	441	..	..	441	116
United States	2009	757,149	18,225	48,854	32,725	693,795	2,242
	2010	759,672	16,343	67,695	-10,524	718,844	2,302
	2011	766,103	11,760	87,424	3,167	687,271	2,182
	2012	707,630	8,311	101,712	3,212	611,017	1,924
America, South	2009	74,825	20,141	66,859	453	27,654	71
	2010	80,641	26,327	70,897	-830	36,901	94
	2011	85,947	31,145	76,817	246	40,030	101
	2012	88,832	29,621	79,801	-1,054	39,706	99
Argentina	2009	69	1,200	67	-14	1,216	30
	2010	55	1,500	43	10	1,502	37
	2011	76	1,767	58	7	1,778	44
	2012	80	1,631	117	-36	1,631	40

Table 4

Production, trade and supply of coal

Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Brazil	2009	3,212	13,438	0	-108	16,758	87
	2010	3,437	18,455	0	-158	22,049	113
	2011	3,494	20,996	45	279	24,166	123
	2012	4,199	18,837	0	-669	23,705	119
Chile	2009	337	4,764	..	39	5,062	298
	2010	362	5,441	..	-426	6,229	363
	2011	351	7,791	..	285	7,857	454
	2012	422	8,498	..	73	8,848	507
Colombia	2009	67,606	0	63,836	605	3,165	69
	2010	73,850	0	68,187	0	5,663	122
	2011	79,674	0	74,646	0	5,027	107
	2012	82,665	0	78,569	0	4,096	86
Falkland Is. (Malvinas)	2009	*4	..	..	..	*4	*1,406
	2010	*4	..	..	..	*4	*1,400
	2011	*4	..	..	..	*4	*1,396
	2012	*4	..	..	..	*4	*1,392
Paraguay	2009	..	0	..	..	0	0
	2010	..	0	..	..	0	0
	2011	..	1	..	..	1	0
	2012	..	1	..	..	1	0
Peru	2009	315	736	0	-70	1,121	39
	2010	86	930	105	-256	1,168	40
	2011	159	588	170	-324	902	30
	2012	211	651	165	-423	1,119	37
Uruguay	2009	..	2	..	..	2	1
	2010	..	1	..	..	1	0
	2011	..	1	..	..	1	0
	2012	..	1	..	..	1	0
Venezuela(Bolivar. Rep.)	2009	3,281	..	2,956	..	325	11
	2010	2,847	..	2,562	..	285	10
	2011	2,190	..	1,897	..	293	10
	2012	1,251	..	950	..	301	10
Asia	2009	3,010,956	528,050	259,565	78,750	3,200,690	777
	2010	3,273,830	596,152	344,722	155,599	3,369,662	809
	2011	3,470,764	622,241	325,304	68,748	3,698,953	879
	2012	3,603,533	725,607	350,990	73,953	3,904,197	918
Afghanistan	2009	440	103	19	..	524	19
	2010	638	197	46	..	789	28
	2011	1,303	197	46	..	1,454	50
	2012	1,092	197	46	..	1,243	42
Armenia	2009	0	1	0	..	1	0
	2010	0	4	0	..	4	1
	2011	0	4	0	..	4	1
	2012	0	4	0	..	4	1
Azerbaijan	2009	..	8	..	2	6	1
	2010	..	8	..	-1	8	1
	2011	..	6	..	-2	7	1
	2012	..	5	..	-1	6	1
Bangladesh	2009	591	571	..	26	1,137	8
	2010	503	571	..	-84	1,158	8
	2011	476	660	..	67	1,069	7
	2012	596	714	..	20	1,290	8

Table 4

Production, trade and supply of coal
 Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Bhutan	2009	43	..	24	..	19	27
	2010	77	..	52	..	26	36
	2011	96	..	65	..	31	43
	2012	87	..	41	..	46	62
Cambodia	2009	..	11	..	..	11	1
	2010	..	12	..	..	12	1
	2011	..	13	..	..	13	1
	2012	..	14	..	..	14	1
China	2009	2,120,934	91,234	16,507	67,176	2,128,485	1,575
	2010	2,307,845	116,459	16,883	145,121	2,262,299	1,664
	2011	2,459,362	109,467	13,448	64,408	2,490,973	1,820
	2012	2,549,595	173,272	7,476	84,492	2,630,899	1,911
China, Hong Kong SAR	2009	..	10,856	0	857	10,000	1,427
	2010	..	9,088	0	389	8,699	1,234
	2011	..	11,030	0	*552	10,478	1,476
	2012	..	10,873	0	*555	10,317	1,443
Cyprus	2009	..	23	..	4	19	17
	2010	..	15	..	-8	23	21
	2011	..	0	..	-11	11	10
	2012	..	0	..	0	0	0
Georgia	2009	141	101	3	..	239	54
	2010	229	151	13	..	367	84
	2011	301	209	9	..	502	115
	2012	360	193	3	..	549	126
India	2009	452,095	62,967	2,154	13,676	499,231	419
	2010	453,665	58,537	4,355	6,087	501,761	416
	2011	461,175	87,497	2,278	165	546,229	447
	2012	477,269	116,868	3,386	-9,708	600,459	486
Indonesia	2009	255,408	112	190,977	145	64,397	271
	2010	312,498	111	264,570	183	47,855	199
	2011	337,406	*95	243,988	948	92,566	380
	2012	371,299	133	273,978	-191	97,645	396
Iran(Islamic Rep. of)	2009	1,014	618	21	..	1,611	22
	2010	959	1,198	103	..	2,053	28
	2011	1,025	1,269	274	..	2,020	27
	2012	919	938	295	..	1,562	20
Israel	2009	44	10,161	..	-4	10,209	1,404
	2010	43	10,537	..	0	10,580	1,426
	2011	42	10,652	..	-239	10,932	1,449
	2012	42	11,923	..	-317	12,282	1,607
Japan	2009	..	145,988	1,043	-401	145,347	1,141
	2010	..	165,910	671	-133	165,373	1,299
	2011	..	155,745	1,000	125	154,619	1,214
	2012	..	161,622	1,488	-85	160,219	1,259
Kazakhstan	2009	63,260	822	18,126	152	45,804	2,909
	2010	69,353	924	19,676	1,228	49,374	3,101
	2011	72,708	853	19,223	297	54,042	3,357
	2012	75,376	1,017	20,420	1,806	54,168	3,329
Korea, Dem.Ppl's.Rep.	2009	26,713	217	2,654	..	24,276	996
	2010	26,588	276	4,109	..	22,755	929
	2011	25,602	192	9,991	..	15,804	642
	2012	25,750	939	10,734	..	15,955	644

Table 4

Production, trade and supply of coal

Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Korea, Republic of	2009	1,655	89,890	..	-894	92,439	1,919
	2010	1,369	104,213	..	412	105,170	2,171
	2011	1,369	113,548	..	223	114,694	2,354
	2012	1,331	108,685	..	-58	110,074	2,246
Kyrgyzstan	2009	302	719	7	..	1,015	193
	2010	283	707	3	..	987	185
	2011	414	654	18	..	1,050	194
	2012	580	885	7	..	1,458	266
Lao People's Dem. Rep.	2009	312	..	*181	..	131	21
	2010	426	..	*195	..	231	36
	2011	391	..	*195	..	196	30
	2012	535	..	*195	..	340	51
Lebanon	2009	..	176	..	..	176	41
	2010	..	198	..	..	198	46
	2011	..	220	..	..	220	49
	2012	..	220	..	..	220	47
Malaysia	2009	1,882	14,988	19	-315	17,167	618
	2010	2,110	18,255	86	-110	20,389	721
	2011	2,567	18,614	197	519	20,465	712
	2012	2,598	19,858	325	73	22,058	754
Mongolia	2009	10,829	0	6,255	805	3,769	1,411
	2010	19,925	0	14,695	1,263	3,968	1,463
	2011	26,168	0	18,728	1,191	6,250	2,269
	2012	23,938	0	18,382	-1,861	7,418	2,653
Myanmar	2009	241	2	..	..	243	5
	2010	230	9	..	..	239	5
	2011	331	*9	..	..	340	6
	2012	444	7	..	..	451	9
Nepal	2009	13	270	..	..	283	11
	2010	14	430	..	..	445	17
	2011	15	513	..	..	528	19
	2012	16	614	..	..	630	23
Other Asia	2009	..	53,285	36	-1,208	54,457	2,360
	2010	..	59,183	113	-83	59,153	2,556
	2011	..	58,643	96	84	58,463	2,519
	2012	..	56,023	110	-621	56,535	2,429
Pakistan	2009	2,352	4,625	..	..	6,977	41
	2010	2,331	4,237	..	..	6,568	38
	2011	2,441	4,028	..	..	6,469	37
	2012	*1,816	*3,499	..	..	*5,314	*30
Philippines	2009	3,534	5,461	1,503	-1,338	8,829	96
	2010	5,014	8,475	3,091	159	10,240	110
	2011	5,189	8,502	2,063	354	11,274	119
	2012	5,541	9,221	2,392	-1,191	13,561	140
Singapore	2009	..	6	0	..	5	1
	2010	..	11	0	..	11	2
	2011	..	5	0	..	5	1
	2012	..	21	0	..	21	4
Sri Lanka	2009	..	90	..	7	84	4
	2010	..	97	..	12	86	4
	2011	..	684	..	257	427	20
	2012	..	866	..	215	651	31

Table 4

Production, trade and supply of coal

Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Syrian Arab Republic	2009	..	4	0	..	4	0
	2010	..	4	0	..	4	0
	2011	..	4	0	..	4	0
	2012	..	1	0	..	1	0
Tajikistan	2009	108	7	0	..	116	16
	2010	119	7	0	..	126	16
	2011	142	10	14	..	138	18
	2012	249	15	1	..	263	33
Thailand	2009	7,369	14,693	24	1,168	20,869	315
	2010	7,600	15,323	18	858	22,046	332
	2011	8,836	14,696	5	433	23,093	347
	2012	7,485	16,559	0	-163	24,206	362
Turkey	2009	24,861	19,052	..	961	42,951	603
	2010	25,034	19,784	..	-1,070	45,888	636
	2011	25,486	22,190	..	-450	48,126	659
	2012	22,271	27,803	6	-62	50,130	677
United Arab Emirates	2009	..	787	..	..	787	102
	2010	..	1,023	..	..	1,023	121
	2011	..	1,826	..	..	1,826	205
	2012	..	2,398	..	..	2,398	260
Uzbekistan	2009	1,841	100	19	..	1,922	70
	2010	1,824	60	19	..	1,865	67
	2011	1,930	50	20	..	1,961	70
	2012	1,935	65	20	..	1,980	69
Viet Nam	2009	34,972	104	19,994	-2,070	17,152	194
	2010	35,152	138	16,025	1,374	17,890	201
	2011	35,987	154	13,645	-175	22,671	252
	2012	32,409	154	11,685	1,050	19,828	218
Europe	2009	528,082	219,749	133,803	20,367	593,661	803
	2010	559,401	232,060	162,506	-20,858	649,813	878
	2011	576,026	251,216	159,138	2,072	666,033	898
	2012	604,320	259,754	164,835	610	698,629	942
Albania	2009	5	71	..	..	76	24
	2010	5	79	..	..	83	26
	2011	*5	*79	..	..	*83	*26
	2012	*5	*79	..	..	*83	*26
Andorra	2009	..	0	..	..	0	0
	2010	..	0	..	..	0	1
	2011	..	0	..	..	0	2
	2012	..	0	..	..	0	*2
Austria	2009	0	3,957	12	-53	3,998	478
	2010	0	4,877	8	-5	4,875	580
	2011	0	4,654	4	-319	4,969	589
	2012	0	4,770	2	115	4,654	550
Belarus	2009	737	119	164	-92	784	82
	2010	783	117	129	-76	847	89
	2011	940	179	115	136	869	92
	2012	892	456	132	106	1,110	118
Belgium	2009	..	4,713	1,172	-737	4,278	394
	2010	..	6,152	970	-121	5,304	485
	2011	..	5,955	998	41	4,916	447
	2012	..	5,172	1,198	-247	4,220	382

Table 4

Production, trade and supply of coal

Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Bosnia and Herzegovina	2009	5,295	854	435	153	5,561	1,443
	2010	5,001	1,303	640	-107	5,771	1,501
	2011	5,817	1,482	631	-74	6,742	1,756
	2012	5,676	1,114	423	95	6,272	1,636
Bulgaria	2009	6,569	2,500	5	-57	9,121	1,225
	2010	7,054	2,490	39	-282	9,787	1,325
	2011	8,887	2,942	44	102	11,683	1,593
	2012	8,015	2,220	48	187	10,000	1,374
Croatia	2009	..	652	0	-78	729	168
	2010	..	1,000	1	26	973	224
	2011	..	991	1	-17	1,007	233
	2012	..	792	1	-114	905	210
Czech Republic	2009	29,790	2,658	7,166	-295	25,577	2,439
	2010	29,614	3,059	7,173	-1,058	26,558	2,516
	2011	29,851	3,042	6,719	-140	26,313	2,480
	2012	29,580	2,552	5,617	1,759	24,756	2,322
Denmark	2009	..	5,665	56	-120	5,729	1,037
	2010	..	3,835	63	-1,759	5,531	996
	2011	..	5,130	0	536	4,594	824
	2012	..	3,310	0	-239	3,549	634
Estonia	2009	4,646	35	36	327	4,318	3,314
	2010	5,566	66	69	3	5,560	4,282
	2011	5,797	62	58	-12	5,813	4,490
	2012	5,763	76	43	366	5,431	4,207
Finland	2009	3,134	5,434	11	1,125	7,431	1,391
	2010	2,580	5,703	10	-1,607	9,881	1,841
	2011	2,409	6,595	8	906	8,089	1,501
	2012	1,417	3,825	49	-1,368	6,561	1,213
France	2009	130	15,373	682	-1,194	16,016	255
	2010	232	17,662	237	396	17,261	273
	2011	132	14,673	226	-22	14,601	230
	2012	257	15,755	226	-550	16,337	255
Germany	2009	66,440	37,651	1,223	-208	103,076	1,239
	2010	65,598	46,836	1,339	-2,101	113,196	1,364
	2011	67,370	46,952	1,375	1,657	111,290	1,343
	2012	67,995	47,549	1,628	-266	114,182	1,379
Greece	2009	11,680	242	2	-116	12,036	1,085
	2010	10,451	572	0	-210	11,233	1,011
	2011	10,721	338	8	-214	11,266	1,013
	2012	11,492	275	11	139	11,617	1,044
Hungary	2009	2,223	1,583	213	-59	3,652	364
	2010	2,276	2,017	378	-6	3,922	392
	2011	2,351	1,871	375	-116	3,962	396
	2012	2,295	1,817	387	-116	3,841	385
Iceland	2009	..	129	..	5	124	395
	2010	..	124	..	-5	129	406
	2011	..	127	..	-3	131	405
	2012	..	139	..	7	132	405
Ireland	2009	835	1,986	12	-258	3,067	695
	2010	1,422	1,532	16	-89	3,028	678
	2011	1,086	2,023	15	179	2,915	645
	2012	451	1,894	17	-1,056	3,384	740

Table 4

Production, trade and supply of coal
 Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Italy	2009	65	18,013	273	-351	18,156	301
	2010	92	20,730	304	288	20,229	334
	2011	83	22,109	273	-770	22,690	373
	2012	73	22,826	304	-619	23,214	381
Latvia	2009	8	118	7	-2	122	58
	2010	3	164	4	8	156	75
	2011	0	167	8	1	158	76
	2012	3	135	10	-3	131	64
Lithuania	2009	18	167	11	-18	191	62
	2010	10	256	27	-4	243	79
	2011	14	372	23	33	330	108
	2012	20	326	29	-7	324	107
Luxembourg	2009	..	109	..	..	109	218
	2010	..	107	..	..	107	212
	2011	..	83	..	..	83	161
	2012	..	77	..	..	77	147
Montenegro	2009	301	13	18	..	295	477
	2010	609	0	22	..	587	947
	2011	620	3	17	..	606	977
	2012	561	0	17	..	544	876
Netherlands	2009	..	17,421	4,321	2,791	10,310	623
	2010	..	18,281	5,321	2,357	10,603	638
	2011	..	21,419	11,141	119	10,158	610
	2012	..	21,375	12,101	-1,977	11,251	673
Norway	2009	2,532	678	2,298	110	802	166
	2010	1,855	1,078	1,625	218	1,090	223
	2011	1,329	1,122	1,442	-198	1,207	244
	2012	1,178	1,189	1,222	-64	1,209	242
Poland	2009	80,611	9,336	11,664	3,495	74,788	1,958
	2010	79,136	11,811	14,399	-3,238	79,786	2,089
	2011	79,688	12,645	12,232	773	79,328	2,076
	2012	82,619	8,741	12,237	5,580	73,543	1,925
Portugal	2009	..	4,423	59	277	4,087	386
	2010	..	2,428	100	-40	2,368	224
	2011	..	3,204	139	-90	3,154	298
	2012	..	4,454	124	143	4,187	395
Republic of Moldova	2009	..	87	..	-40	126	35
	2010	..	119	..	-4	123	34
	2011	..	131	..	8	123	35
	2012	..	150	..	-6	156	44
Romania	2009	9,378	1,523	21	79	10,801	493
	2010	8,434	1,824	54	167	10,037	459
	2011	9,619	1,637	33	-529	11,752	539
	2012	9,066	1,811	12	-11	10,877	500
Russian Federation	2009	219,479	20,752	96,100	6,802	137,328	956
	2010	257,192	21,865	119,970	-8,331	167,419	1,166
	2011	257,804	27,501	113,093	-168	172,380	1,202
	2012	286,737	26,077	118,627	490	193,698	1,353
Serbia	2009	10,473	873	51	-108	11,403	1,175
	2010	10,327	1,082	58	184	11,167	1,158
	2011	11,178	1,136	11	-116	12,419	1,294
	2012	10,397	586	8	83	10,893	1,140

Table 4

Production, trade and supply of coal

Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Slovakia	2009	933	4,820	214	-6	5,546	1,022
	2010	876	4,594	367	-471	5,574	1,026
	2011	859	4,562	227	-104	5,299	974
	2012	811	4,552	102	294	4,967	912
Slovenia	2009	1,657	369	4	5	2,017	986
	2010	1,657	404	0	34	2,028	987
	2011	1,715	369	2	-1	2,082	1,010
	2012	1,562	430	1	-18	2,008	971
Spain	2009	5,182	14,152	1,060	3,179	15,096	330
	2010	4,334	11,211	1,258	2,608	11,679	253
	2011	3,784	13,588	1,098	-1,516	17,790	382
	2012	3,517	18,502	1,596	-1,489	21,913	469
Sweden	2009	299	2,201	268	-458	2,691	289
	2010	340	3,669	32	362	3,615	385
	2011	314	3,383	25	113	3,559	377
	2012	201	2,471	22	-416	3,066	322
Switzerland	2009	..	240	..	23	218	28
	2010	..	187	..	-30	217	28
	2011	..	163	..	-38	202	25
	2012	..	192	..	4	188	23
T.F.Yug.Rep. Macedonia	2009	1,848	71	5	5	1,909	909
	2010	1,706	192	11	-4	1,891	899
	2011	2,015	207	8	101	2,113	1,004
	2012	1,780	210	8	-24	2,006	952
Ukraine	2009	48,520	7,115	5,512	586	49,536	1,071
	2010	46,487	10,904	6,768	-1,998	52,621	1,143
	2011	56,102	11,253	7,895	1,985	57,475	1,255
	2012	57,704	14,233	7,689	2,393	61,855	1,359
United Kingdom	2009	15,294	33,648	727	5,655	42,559	690
	2010	15,761	23,728	1,115	-5,960	44,333	714
	2011	15,536	29,066	894	-174	43,882	703
	2012	14,251	39,622	944	-2,559	55,487	884
Oceania	2009	340,859	738	258,073	2,513	81,012	2,247
	2010	340,622	731	273,541	-5,485	73,297	2,000
	2011	322,098	679	265,500	-14,673	71,949	1,933
	2012	346,818	550	280,005	-2,670	70,033	1,854
Australia	2009	337,094	6	255,989	2,438	78,673	3,570
	2010	336,149	13	271,108	-5,830	70,883	3,164
	2011	317,964	51	263,317	-14,690	69,388	3,051
	2012	342,712	34	277,765	-2,481	67,462	2,927
New Caledonia	2009	..	223	..	..	223	917
	2010	..	529	..	..	529	2,145
	2011	..	498	..	..	498	1,995
	2012	..	396	..	..	396	1,565
New Zealand	2009	3,765	510	2,084	75	2,116	490
	2010	4,474	189	2,433	344	1,886	432
	2011	4,134	130	2,183	17	2,063	467
	2012	4,106	119	2,239	-189	2,175	488

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Table Notes

Production

Production includes production from other sources as defined in the previous table.

Data for China include brown coal.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification.

Figure 12: Hard coal production by region, 1990-2012

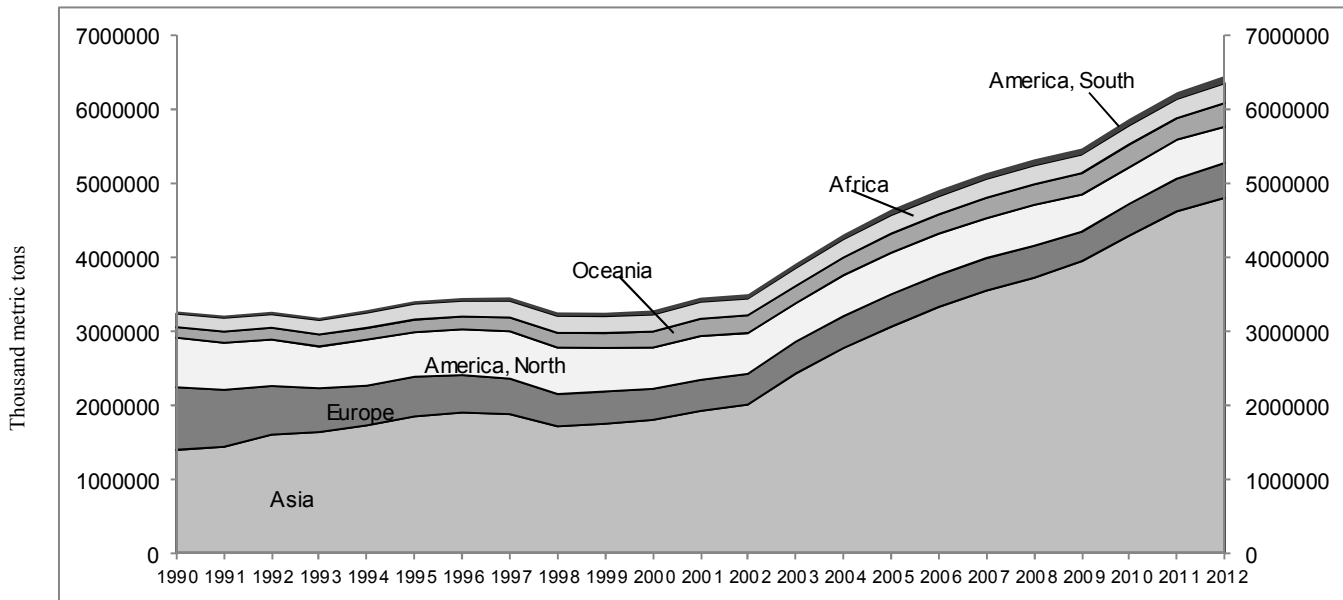


Figure 13: Major hard coal producing countries, 2012

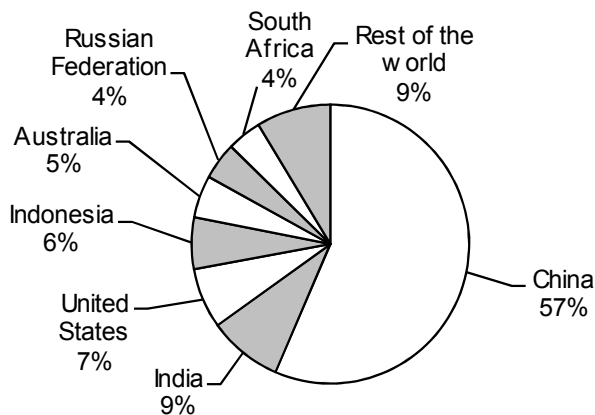


Figure 14: Major hard coal consuming countries in 2012

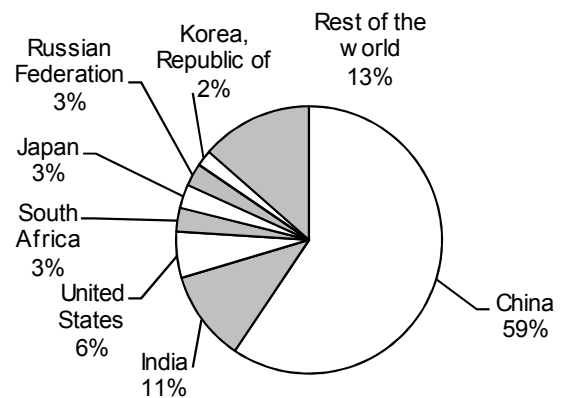


Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2009	5,474,383	897,964	896,798	150,076	5,325,473	779
	2010	5,877,025	986,665	1,088,214	148,823	5,626,653	814
	2011	6,235,943	1,066,342	1,087,818	80,660	6,133,808	877
	2012	6,454,799	1,224,452	1,169,977	112,332	6,396,941	904
Africa	2009	253,812	11,732	52,419	7,201	205,924	205
	2010	259,246	12,818	66,797	215	205,052	199
	2011	258,034	12,109	69,291	145	200,708	190
	2012	268,697	13,195	79,241	2,508	200,143	185
Algeria	2009	..	166	..	-124	290	8
	2010	..	0	..	0	0	0
	2011	..	0	..	0	0	0
	2012	..	0	..	0	0	0
Botswana	2009	738	0	0	0	738	378
	2010	988	0	0	0	988	502
	2011	788	0	0	0	788	397
	2012	1,471	0	2	751	718	358
Egypt	2009	69	1,522	..	..	1,591	21
	2010	38	2,205	..	..	2,243	29
	2011	9	*987	..	..	*996	*13
	2012	21	*905	..	..	*926	*11
Ethiopia	2009	18	25	..	1	42	0
	2010	36	25	..	11	50	1
	2011	21	141	..	-8	170	2
	2012	25	315	..	0	340	4
Kenya	2009	..	138	..	..	138	3
	2010	..	236	..	..	236	6
	2011	..	383	..	..	383	9
	2012	..	343	..	..	343	8
Lesotho	2009	..	572	..	..	572	287
	2010	..	581	..	..	581	289
	2011	..	*591	..	..	*591	*291
	2012	..	*590	..	..	*590	*287
Madagascar	2009	..	14	..	..	14	1
	2010	..	40	..	..	40	2
	2011	..	153	..	..	153	7
	2012	..	263	..	..	263	12
Malawi	2009	*54	2	*8	..	*48	*3
	2010	*54	6	*8	..	*52	*3
	2011	*54	17	*8	..	*63	*4
	2012	*54	15	*8	..	*61	*4
Mauritius	2009	..	560	..	-36	596	486
	2010	..	661	..	-7	668	543
	2011	..	660	..	19	641	519
	2012	..	729	..	54	675	545
Morocco	2009	..	5,276	..	11	5,265	168
	2010	..	5,520	..	220	5,300	167
	2011	..	5,326	..	-341	5,667	177
	2012	..	6,010	..	164	5,846	180
Mozambique	2009	38	..	28	0	10	0
	2010	38	..	28	0	10	0
	2011	617	..	162	403	52	2
	2012	4,530	..	2,957	1,557	16	1

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Namibia	2009	..	193	..	..	193	90
	2010	..	136	..	..	136	62
	2011	..	34	..	..	34	15
	2012	..	134	..	..	134	59
Niger	2009	225	..	..	-1	226	15
	2010	247	..	..	2	244	15
	2011	246	..	..	*5	241	15
	2012	235	..	..	*5	230	13
Nigeria	2009	34	..	..	..	34	0
	2010	38	..	..	..	38	0
	2011	32	..	..	..	32	0
	2012	48	..	..	..	48	0
Réunion	2009	..	681	..	30	651	780
	2010	..	690	..	-5	695	823
	2011	..	750	..	67	684	799
	2012	..	686	..	-23	710	820
Senegal	2009	..	316	..	..	316	25
	2010	..	287	..	..	287	22
	2011	..	402	..	..	402	30
	2012	..	349	..	..	349	25
South Africa	2009	249,489	*1,976	51,977	7,324	192,164	3,776
	2010	254,522	2,109	66,396	0	190,235	3,697
	2011	252,757	2,390	68,807	0	186,340	3,587
	2012	258,575	2,591	76,009	0	185,157	3,534
Swaziland	2009	*400	*140	*400	*-4	*144	*122
	2010	*350	*132	*350	*-7	*139	*117
	2011	*300	*140	*300	0	*140	*116
	2012	*250	*145	*250	0	*145	*118
United Rep. of Tanzania	2009	0	..	..	..	0	0
	2010	0	..	..	..	0	0
	2011	3	..	..	..	3	0
	2012	79	..	..	..	79	2
Zambia	2009	56	109	6	..	159	12
	2010	0	143	15	..	128	10
	2011	0	85	14	..	71	5
	2012	51	67	15	..	103	7
Zimbabwe	2009	2,691	42	..	..	2,733	212
	2010	2,935	46	..	..	2,981	228
	2011	3,207	50	..	..	3,257	244
	2012	3,357	52	..	..	3,409	248
America, North	2009	502,625	29,100	76,420	34,781	420,524	774
	2010	492,957	27,753	100,409	-14,317	434,618	792
	2011	527,497	24,069	124,811	11,256	415,499	750
	2012	489,709	18,512	140,752	-1,315	368,784	659
Canada	2009	29,663	8,360	28,450	-198	9,771	289
	2010	33,703	8,731	33,299	-1,076	10,211	299
	2011	34,621	9,184	33,552	-167	10,420	302
	2012	35,375	7,821	34,648	-138	8,686	249
Costa Rica	2009	..	4	..	..	4	1
	2010	..	1	..	..	1	0
	2011	..	8	..	..	8	2
	2012	..	3	..	..	3	1

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Cuba	2009	..	23	..	..	23	2
	2010	..	23	..	..	23	2
	2011	..	2	..	..	2	0
	2012	..	4	..	..	4	0
Dominican Republic	2009	..	747	..	..	747	76
	2010	..	709	..	..	709	71
	2011	..	882	..	..	882	87
	2012	..	874	..	..	874	85
Guatemala	2009	..	345	..	51	294	21
	2010	..	571	..	79	492	34
	2011	..	571	..	78	493	34
	2012	..	577	..	79	498	33
Honduras	2009	..	103	..	..	103	14
	2010	..	107	..	..	107	14
	2011	..	161	..	..	161	21
	2012	..	163	..	..	163	21
Jamaica	2009	..	33	..	-18	51	19
	2010	..	27	..	-4	31	11
	2011	..	72	..	-8	80	29
	2012	..	94	..	21	73	26
Mexico	2009	1,793	542	5	-110	2,440	21
	2010	1,587	1,531	5	417	2,696	23
	2011	2,043	1,603	9	773	2,864	24
	2012	2,125	731	216	710	1,930	16
Panama	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	237	..	..	237	63
	2012	..	323	..	..	323	85
United States	2009	471,169	18,943	47,965	35,056	407,091	1,315
	2010	457,667	16,053	67,105	-13,733	420,348	1,346
	2011	490,833	11,349	91,250	10,580	400,352	1,271
	2012	452,209	7,922	105,888	-1,987	356,230	1,122
America, South	2009	82,190	20,645	71,150	499	31,186	80
	2010	88,448	25,244	74,759	-1,434	40,367	102
	2011	94,315	30,011	81,366	804	42,156	106
	2012	97,859	29,083	84,411	-715	43,246	107
Argentina	2009	82	1,167	51	-22	1,220	30
	2010	65	1,458	14	5	1,504	37
	2011	90	1,718	29	0	1,779	44
	2012	95	1,586	78	-14	1,617	39
Brazil	2009	5,061	12,462	0	-145	17,668	91
	2010	5,415	15,909	0	-383	21,707	111
	2011	5,505	18,007	71	574	22,867	116
	2012	6,617	16,486	0	-515	23,618	119
Chile	2009	636	6,255	..	74	6,817	401
	2010	619	6,933	..	-799	8,351	487
	2011	654	9,665	..	531	9,788	566
	2012	712	10,359	..	199	10,872	623
Colombia	2009	72,807	0	68,142	652	4,013	88
	2010	79,531	0	72,181	0	7,350	158
	2011	85,803	0	79,273	0	6,530	139
	2012	89,024	0	83,295	0	5,729	120

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Paraguay	2009	..	0	..	..	0	0
	2010	..	0	..	..	0	0
	2011	..	1	..	..	1	0
	2012	..	2	..	..	2	0
Peru	2009	322	760	0	-60	1,142	39
	2010	88	944	107	-257	1,182	40
	2011	163	620	174	-301	910	31
	2012	211	650	127	-385	1,119	37
Uruguay	2009	..	1	..	..	1	0
	2010	..	0	..	..	0	0
	2011	..	0	..	..	0	0
	2012	..	0	..	..	0	0
Venezuela(Bolivar. Rep.)	2009	3,282	..	2,957	..	325	11
	2010	2,730	..	2,457	..	273	9
	2011	2,100	..	1,819	..	281	10
	2012	1,200	..	911	..	289	10
Asia	2009	3,947,902	602,300	296,627	79,503	4,174,072	1,013
	2010	4,293,469	681,321	385,422	193,804	4,395,564	1,055
	2011	4,624,068	734,791	364,499	82,195	4,912,166	1,167
	2012	4,806,592	888,042	394,517	113,621	5,186,496	1,219
Afghanistan	2009	500	..	..	..	500	18
	2010	725	..	..	..	725	26
	2011	1,480	..	..	..	1,480	51
	2012	1,240	..	..	..	1,240	42
Armenia	2009	..	0	..	..	0	0
	2010	..	2	..	..	2	1
	2011	..	3	..	..	3	1
	2012	..	3	..	..	3	1
Azerbaijan	2009	..	8	..	2	6	1
	2010	..	8	..	-1	9	1
	2011	..	6	..	-2	8	1
	2012	..	5	..	-1	6	1
Bangladesh	2009	828	800	..	36	1,592	11
	2010	705	800	..	-117	1,622	11
	2011	667	924	..	94	1,497	10
	2012	835	1,000	..	28	1,807	12
Bhutan	2009	49	..	27	..	21	30
	2010	88	..	59	..	29	40
	2011	109	..	73	..	36	49
	2012	99	..	47	..	52	70
China	2009	2,973,000	125,840	22,396	63,606	3,012,838	2,230
	2010	3,235,001	163,095	19,104	181,272	3,197,720	2,352
	2011	3,516,000	182,098	14,658	77,825	3,605,615	2,635
	2012	3,645,000	288,411	9,275	123,804	3,800,332	2,760
China, Hong Kong SAR	2009	..	12,332	0	973	11,359	1,621
	2010	..	10,324	0	442	9,882	1,402
	2011	..	12,529	0	*627	11,902	1,677
	2012	..	12,351	0	*631	11,720	1,640
Cyprus	2009	..	26	..	5	21	19
	2010	..	17	..	-9	26	24
	2011	..	0	..	-12	12	11
	2012	..	0	..	0	0	0

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Georgia	2009	169	37	4	..	202	46
	2010	268	67	15	..	320	73
	2011	353	90	7	..	436	100
	2012	422	76	4	..	494	113
India	2009	532,062	73,260	2,450	16,804	586,068	492
	2010	532,694	68,918	4,409	7,329	589,874	489
	2011	539,950	102,853	2,032	26	640,745	525
	2012	557,707	137,558	2,825	-11,890	704,330	570
Indonesia	2009	253,886	70	208,294	159	45,503	192
	2010	319,190	55	291,061	206	27,978	116
	2011	346,943	41	267,787	1,064	78,133	320
	2012	385,899	78	304,051	-217	82,143	333
Iran(Islamic Rep. of)	2009	1,152	10	22	..	1,140	16
	2010	1,089	51	115	..	1,025	14
	2011	1,164	14	308	..	870	12
	2012	1,044	91	333	..	802	10
Israel	2009	..	11,843	..	-4	11,847	1,629
	2010	..	12,310	..	0	12,310	1,659
	2011	..	12,310	..	-271	12,581	1,668
	2012	..	13,816	..	-360	14,176	1,855
Japan	2009	..	164,636	2	..	164,634	1,293
	2010	..	186,680	4	..	186,676	1,466
	2011	..	175,421	2	..	175,419	1,378
	2012	..	183,788	3	..	183,785	1,444
Kazakhstan	2009	95,770	276	28,295	221	67,530	4,289
	2010	103,646	249	29,372	1,791	72,732	4,568
	2011	108,082	152	30,064	474	77,696	4,826
	2012	112,779	206	30,322	2,848	79,815	4,905
Korea, Dem.Ppl's.Rep.	2009	25,500	22	3,002	..	22,520	924
	2010	25,500	85	4,638	..	20,947	855
	2011	25,500	0	11,178	..	14,322	581
	2012	25,800	821	12,011	..	14,610	590
Korea, Republic of	2009	2,519	99,420	..	-1,360	103,299	2,145
	2010	2,084	113,501	..	627	114,958	2,373
	2011	2,084	124,935	..	340	126,679	2,599
	2012	2,094	121,434	..	-92	123,620	2,523
Kyrgyzstan	2009	79	1,122	0	..	1,201	228
	2010	55	1,103	0	..	1,158	217
	2011	109	1,020	0	..	1,129	209
	2012	153	1,380	0	..	1,533	280
Lao People's Dem. Rep.	2009	101	..	..	..	101	16
	2010	212	..	..	..	212	33
	2011	167	..	..	..	167	26
	2012	331	..	..	..	331	50
Lebanon	2009	..	200	..	..	200	47
	2010	..	225	..	..	225	52
	2011	..	250	..	..	250	56
	2012	..	250	..	..	250	54
Malaysia	2009	2,138	17,026	22	-358	19,500	702
	2010	2,397	20,737	98	-125	23,161	819
	2011	2,916	21,145	224	590	23,247	808
	2012	2,951	22,558	369	83	25,057	857

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Mongolia	2009	9,594	0	7,094	928	1,572	588
	2010	19,439	0	16,650	1,313	1,476	544
	2011	26,816	0	21,246	1,371	4,199	1,525
	2012	23,737	0	20,836	-2,027	4,928	1,762
Myanmar	2009	235	2	..	..	237	5
	2010	240	10	..	..	250	5
	2011	351	*10	..	..	361	7
	2012	471	8	..	..	479	9
Nepal	2009	15	307	..	..	322	12
	2010	16	489	..	..	505	19
	2011	17	583	..	..	600	22
	2012	18	698	..	..	716	26
Other Asia	2009	..	52,835	..	-1,352	54,187	2,348
	2010	..	58,911	..	-88	58,999	2,549
	2011	..	53,644	..	152	53,492	2,305
	2012	..	48,544	..	-714	49,258	2,117
Pakistan	2009	3,481	4,658	..	..	8,139	48
	2010	3,450	4,267	..	..	7,717	45
	2011	3,613	4,057	..	..	7,670	44
	2012	*2,829	*3,710	..	..	*6,539	*36
Singapore	2009	..	0	0	..	0	0
	2010	..	0	0	..	0	0
	2011	..	1	0	..	1	0
	2012	..	23	0	..	23	4
Sri Lanka	2009	..	100	..	7	93	5
	2010	..	108	..	13	95	5
	2011	..	760	..	286	475	23
	2012	..	962	..	239	724	34
Tajikistan	2009	144	11	0	..	155	21
	2010	141	11	0	..	152	20
	2011	176	15	22	..	169	22
	2012	318	24	2	..	340	43
Thailand	2009	..	16,200	27	1,238	14,935	225
	2010	..	16,802	21	899	15,882	239
	2011	..	16,213	6	*-124	16,331	245
	2012	..	18,360	0	*-44	18,404	276
Turkey	2009	2,864	20,364	..	1,185	22,043	309
	2010	2,524	21,333	..	-1,466	25,323	351
	2011	2,528	23,678	..	-26	26,232	359
	2012	2,292	29,195	7	20	31,460	425
United Arab Emirates	2009	..	894	..	..	894	116
	2010	..	1,162	..	..	1,162	138
	2011	..	2,029	..	..	2,029	227
	2012	..	2,692	..	..	2,692	292
Uzbekistan	2009	101	..	..	..	101	4
	2010	65	..	..	..	65	2
	2011	60	..	..	..	60	2
	2012	60	..	..	..	60	2
Viet Nam	2009	43,715	0	24,992	-2,587	21,310	242
	2010	43,940	0	19,876	1,718	22,346	251
	2011	44,984	10	16,892	-219	28,321	315
	2012	40,512	0	14,433	1,313	24,766	273

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Europe	2009	398,467	233,871	136,401	25,939	469,998	636
	2010	432,257	238,878	165,786	-23,056	528,404	714
	2011	440,205	264,761	161,165	2,206	541,595	731
	2012	472,338	275,147	167,324	1,608	578,553	780
Andorra	2009	..	0	..	..	0	0
	2010	..	0	..	..	0	1
	2011	..	0	..	..	0	2
	2012	..	0	..	..	0	*2
Austria	2009	..	3,112	0	-53	3,165	378
	2010	..	3,634	1	-105	3,738	445
	2011	..	3,382	1	-445	3,826	454
	2012	..	3,637	2	146	3,489	412
Belarus	2009	..	69	0	-10	79	8
	2010	..	55	0	-24	79	8
	2011	..	116	2	23	91	10
	2012	..	415	1	56	358	38
Belgium	2009	..	4,806	886	-762	4,682	431
	2010	..	6,275	604	3	5,668	518
	2011	..	5,937	667	126	5,144	467
	2012	..	5,120	627	-319	4,812	435
Bosnia and Herzegovina	2009	..	816	..	-43	859	223
	2010	..	1,232	1	-33	1,264	329
	2011	..	1,388	1	110	1,277	333
	2012	..	1,058	5	16	1,037	270
Bulgaria	2009	131	2,782	6	-108	3,015	405
	2010	48	2,777	46	-377	3,156	427
	2011	18	3,300	39	124	3,155	430
	2012	15	2,440	44	171	2,240	308
Croatia	2009	..	713	0	-86	799	184
	2010	..	1,113	0	29	1,084	250
	2011	..	1,104	0	-17	1,121	259
	2012	..	875	0	-127	1,002	233
Czech Republic	2009	11,001	1,929	6,518	-345	6,757	644
	2010	11,435	2,009	6,272	-640	7,812	740
	2011	11,265	2,310	6,279	-723	8,019	756
	2012	12,319	1,747	5,050	1,796	7,220	677
Denmark	2009	..	6,711	64	-131	6,778	1,227
	2010	..	4,570	71	-1,997	6,496	1,170
	2011	..	6,137	0	612	5,525	991
	2012	..	3,978	0	-271	4,249	759
Estonia	2009	..	30	0	-57	87	67
	2010	..	71	0	11	60	46
	2011	..	67	0	-3	70	54
	2012	..	82	1	17	64	50
Finland	2009	..	5,949	..	536	5,413	1,013
	2010	..	5,920	..	-1,062	6,982	1,301
	2011	..	6,970	..	1,493	5,477	1,016
	2012	..	3,909	..	-679	4,588	848
France	2009	147	15,408	97	-864	16,322	259
	2010	261	17,579	131	376	17,333	274
	2011	149	14,427	177	-32	14,431	227
	2012	290	15,856	177	-854	16,823	263

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Germany	2009	14,971	38,475	311	-281	53,416	642
	2010	14,108	45,725	253	-2,095	61,675	743
	2011	12,960	47,845	204	1,680	58,921	711
	2012	11,558	49,034	347	-155	60,400	729
Greece	2009	..	267	2	-72	337	30
	2010	..	617	0	3	614	55
	2011	..	395	7	8	380	34
	2012	..	276	9	-84	351	32
Hungary	2009	..	1,336	3	-16	1,349	134
	2010	..	1,767	10	-30	1,787	178
	2011	..	1,560	0	-110	1,670	167
	2012	..	1,487	0	-17	1,504	151
Iceland	2009	..	115	..	17	98	312
	2010	..	106	..	0	106	333
	2011	..	111	..	6	105	326
	2012	..	104	..	-1	105	322
Ireland	2009	..	2,067	8	214	1,845	418
	2010	..	1,597	9	-414	2,002	448
	2011	..	2,289	9	229	2,051	453
	2012	..	2,199	12	-235	2,422	529
Italy	2009	72	18,914	0	-378	19,364	321
	2010	101	21,712	5	441	21,367	353
	2011	92	23,261	3	-885	24,235	399
	2012	80	24,062	58	-662	24,746	406
Latvia	2009	..	127	5	-8	130	62
	2010	..	180	2	11	167	80
	2011	..	183	7	4	172	83
	2012	..	144	6	-1	139	67
Lithuania	2009	..	102	1	0	101	33
	2010	..	176	18	14	144	47
	2011	..	356	18	36	302	99
	2012	..	320	23	0	297	98
Luxembourg	2009	..	104	..	..	104	209
	2010	..	102	..	..	102	201
	2011	..	89	..	..	89	172
	2012	..	82	..	..	82	157
Netherlands	2009	..	19,906	4,732	3,303	11,871	717
	2010	..	20,440	5,866	2,701	11,873	715
	2011	..	24,463	12,608	181	11,674	700
	2012	..	24,358	13,722	-2,154	12,790	765
Norway	2009	2,641	424	2,397	130	538	111
	2010	1,935	684	1,691	222	706	144
	2011	1,386	709	1,504	-187	778	157
	2012	1,229	764	1,273	-75	795	159
Poland	2009	78,064	10,793	8,396	4,731	75,730	1,983
	2010	76,728	13,603	9,965	-4,422	84,788	2,220
	2011	76,448	14,955	7,007	869	83,527	2,186
	2012	79,813	10,165	7,070	6,838	76,070	1,991
Portugal	2009	..	5,061	67	317	4,677	442
	2010	..	2,771	114	-45	2,702	255
	2011	..	3,753	158	-102	3,697	349
	2012	..	5,176	141	162	4,873	460

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Republic of Moldova	2009	..	134	..	-45	179	50
	2010	..	181	..	-5	186	52
	2011	..	207	..	9	198	56
	2012	..	184	..	-7	191	54
Romania	2009	..	309	17	-115	407	19
	2010	..	219	47	-21	193	9
	2011	..	300	36	14	250	11
	2012	..	261	8	-22	275	13
Russian Federation	2009	206,980	23,808	105,552	8,799	116,437	810
	2010	245,580	24,859	132,275	-9,380	147,544	1,027
	2011	245,311	30,344	123,762	-189	152,082	1,060
	2012	278,309	28,602	130,268	552	176,091	1,230
Serbia	2009	..	62	17	-3	48	5
	2010	..	158	7	4	147	15
	2011	..	186	1	-11	196	20
	2012	..	173	0	11	162	17
Slovakia	2009	..	4,359	..	32	4,327	798
	2010	..	3,798	..	-365	4,163	766
	2011	..	3,972	..	-86	4,058	746
	2012	..	4,166	..	249	3,917	719
Slovenia	2009	..	33	5	3	25	12
	2010	..	27	0	7	20	10
	2011	..	24	2	5	17	8
	2012	..	24	1	7	16	8
Spain	2009	6,952	17,038	1,374	4,313	18,303	400
	2010	5,986	12,817	1,488	3,439	13,876	300
	2011	4,262	16,168	1,190	-2,137	21,377	460
	2012	3,910	22,414	1,876	-2,135	26,583	569
Sweden	2009	..	1,898	6	-541	2,433	261
	2010	..	3,285	1	425	2,859	305
	2011	..	3,076	1	32	3,043	322
	2012	..	2,281	1	-496	2,776	292
Switzerland	2009	..	178	..	23	155	20
	2010	..	130	..	-36	166	21
	2011	..	99	..	-45	144	18
	2012	..	141	..	3	138	17
T.F.Yug.Rep. Macedonia	2009	..	5	0	0	5	3
	2010	..	4	0	0	3	2
	2011	..	41	0	0	41	20
	2012	..	33	0	-1	34	16
Ukraine	2009	59,634	7,864	5,290	831	61,377	1,327
	2010	57,659	12,145	6,194	-2,485	66,095	1,435
	2011	69,687	12,709	6,991	2,453	72,952	1,593
	2012	67,768	14,764	6,114	2,832	73,586	1,616
United Kingdom	2009	17,874	38,167	647	6,608	48,786	791
	2010	18,416	26,540	715	-7,206	51,447	829
	2011	18,627	32,528	491	-836	51,500	825
	2012	17,047	44,816	488	-2,953	64,328	1,025
Oceania	2009	289,387	316	263,781	2,153	23,769	659
	2010	310,648	652	295,041	-6,389	22,648	618
	2011	291,824	600	286,686	-15,946	21,684	582
	2012	319,605	473	303,732	-3,374	19,720	522

Table 5**Production, trade and supply of hard coal**

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Australia	2009	287,301	..	261,747	2,284	23,270	1,056
	2010	308,051	..	292,621	-6,364	21,794	973
	2011	289,493	..	284,536	-15,949	20,906	919
	2012	317,328	..	301,521	-3,250	19,057	827
New Caledonia	2009	..	253	..	..	253	1,041
	2010	..	600	..	..	600	2,437
	2011	..	566	..	..	566	2,266
	2012	..	450	..	..	450	1,778
New Zealand	2009	2,086	63	2,034	-131	246	57
	2010	2,597	52	2,420	-25	254	58
	2011	2,331	34	2,150	3	212	48
	2012	2,277	23	2,211	-124	213	48

Table 6

**International trade of hard coal
(Principal importers/exporters)**

Thousand metric tons

2011

Importers	Exporters					
	World	Australia	Canada	China	Colombia	Indonesia
Austria	3,382	78	..	..	24	..
Belgium	5,937	1,535	4	..	395	..
Brazil	18,007	3,490	2,038	5	2,262	..
Canada	9,184	..	..	..	1,641	..
Chile	9,665	1,058	242	..	4,184	590
China	182,098	32,558	4,495	..	1,309	46,806
China, Hong Kong SAR	12,529	1,050	..	..	..	8,178
Denmark	6,137	..	..	..	2,622	..
Finland	6,970	293	482	..	120	..
France	14,427	2,655	200	17	2,909	..
Germany	47,845	4,110	1,723	..	10,438	..
India	102,853	23,331	140	520	..	38,241
Israel	12,310	..	..	..	5,591	..
Italy	23,261	1,732	906	..	1,593	6,368
Japan	175,421	109,741	7,936	4,424	190	33,694
Korea, Republic of	124,935	43,087	*11,362	4,892	306	38,224
Malaysia	21,145	3,086	..	..	..	10,137
Morocco	5,326	..	..	..	63	..
Netherlands	24,463	700	637	21	12,480	..
Pakistan	4,057	321	134	..	..	1,001
Poland	14,955	137	..	6	323	..
Portugal	3,753	..	..	..	2,857	..
Russian Federation	25,536	..	..	..	41	..
Slovakia	3,972	..	..	..	..	..
Spain	16,168	1,996	146	7	3,647	3,312
Thailand	16,213	2,733	390	6	..	8,913
Turkey	23,678	1,066	798	15	5,170	161
Ukraine	12,709	..	..	..	30	..
United Kingdom	32,528	3,380	363	51	8,010	..
United States	11,349	56	1,404	19	8,619	382

**International trade of hard coal
(Principal importers/exporters)**

Thousand metric tons

2011

Exporters					
Kazakhstan	Mongolia	Russian Federation	South Africa Customs Un.	United States	Viet Nam
..	872	..
..	..	70	694	1,791	..
..	..	1,094	992	7,366	..
..	..	145	..	6,819	..
..	3,588	..
..	20,155	10,573	9,257	4,900	*11,914
..	..	222	..	..	..
..	..	1,905	1,269	80	..
152	..	5,248	..	507	..
..	..	2,199	1,929	3,496	1
..	..	9,687	2,667	7,680	17
..	..	913	10,777	2,508	..
..	..	1,711	3,337	..	..
..	..	2,763	3,917	4,859	..
..	15	11,934	702	5,256	1,158
..	..	12,667	3,030	6,067	1,657
..	..	67	2,557	..	170
..	..	1,461	103	2,225	..
..	..	3,471	1,491	4,459	..
..	1,591	..	..
340	..	9,310	..	1,319	..
..	..	10	..	785	..
*23,000	8	..	..	1,480	..
..	..	1,068	..	571	..
..	..	1,852	3,065	1,526	..
..	139	130
..	..	8,158	2,853	2,644	..
727	..	8,960	..	2,840	..
..	..	12,332	647	6,334	..
..

Table 6

**International trade of hard coal
(Principal importers/exporters)**

Thousand metric tons

2012

Importers	Exporters					
	World	Australia	Canada	China	Colombia	Indonesia
Austria	3,637	..	5	..	37	..
Belgium	5,120	1,227	..	..	212	..
Brazil	16,822	2,936	1,503	8	2,517	..
Canada	7,821	..	..	..	670	..
Chile	10,359	594	246	..	5,099	160
China	234,215	59,443	*7,863	..	2,568	67,846
China, Hong Kong SAR	12,349	604	..	..	..	11,673
Denmark	3,978	..	..	..	1,508	..
Finland	3,909	241	362	..	17	..
France	15,856	3,386	52	34	3,145	..
Germany	49,034	4,349	1,502	..	8,535	..
India	122,966	28,376	1,039	66	233	68,518
Israel	13,816	..	..	..	5,715	..
Italy	24,062	1,466	793	..	2,756	3,782
Japan	183,788	117,812	*7,636	2,586	261	34,716
Korea, Republic of	121,434	44,927	*11,085	3,643	812	36,679
Malaysia	21,019	2,779	..	18	..	14,914
Morocco	4,677	..	..	..	..	..
Netherlands	24,358	651	521	16	11,054	71
Pakistan	3,988	441	107	2	..	1,433
Poland	10,165	356	..	4	87	..
Portugal	5,176	..	..	..	3,721	..
Russian Federation	22,942	..	..	..	46	..
Slovakia	4,166	..	..	..	..	..
Spain	22,414	1,351	0	9	6,294	5,634
Thailand	32,485	3,273	144	6	..	28,099
Turkey	29,195	1,377	493	68	7,260	..
Ukraine	14,764	..	..	..	31	80
United Kingdom	44,816	2,360	308	13	11,749	..
United States	7,922	..	898	59	6,306	216

**International trade of hard coal
(Principal importers/exporters)**

Thousand metric tons

2012

Exporters					
Kazakhstan	Mongolia	Russian Federation	South Africa Customs Un.	United States	Viet Nam
..	1,216	..
..	..	494	465	1,637	..
..	..	1,200	1,062	7,106	..
..	..	83	..	6,846	..
..	3,914	..
..	*20,732	20,181	14,284	9,306	*11,411
..	..	73	..	1	..
..	..	1,400	808	..	..
48	..	2,622	..	391	..
..	..	2,526	1,860	4,070	0
..	..	9,993	2,122	10,419	..
..	..	759	15,895	5,345	..
..	..	2,717	4,388	..	..
..	..	3,089	3,035	7,735	..
..	43	13,167	602	4,934	1,121
..	..	12,625	2,751	6,707	1,124
..	3,119	..	141
..	..	653	169	3,688	..
..	..	3,801	1,425	5,912	2
..	1,351	44	..
283	..	6,568	..	796	..
..	..	15	295	1,124	..
588	2	..	..	955	..
..	..	1,163	..	830	..
..	..	3,289	2,818	2,186	..
..	286	..	..
..	..	9,784	3,323	4,333	..
801	..	10,375	..	3,308	..
..	..	18,054	553	10,791	..
..

Table 7

Production, trade and supply of brown coal and oil shale

Thousand metric tons and kilograms per capita

Table Notes

Data refer to brown coal and oil shale.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification.

Figure 15: Brown coal and oil shale production 1990-2012

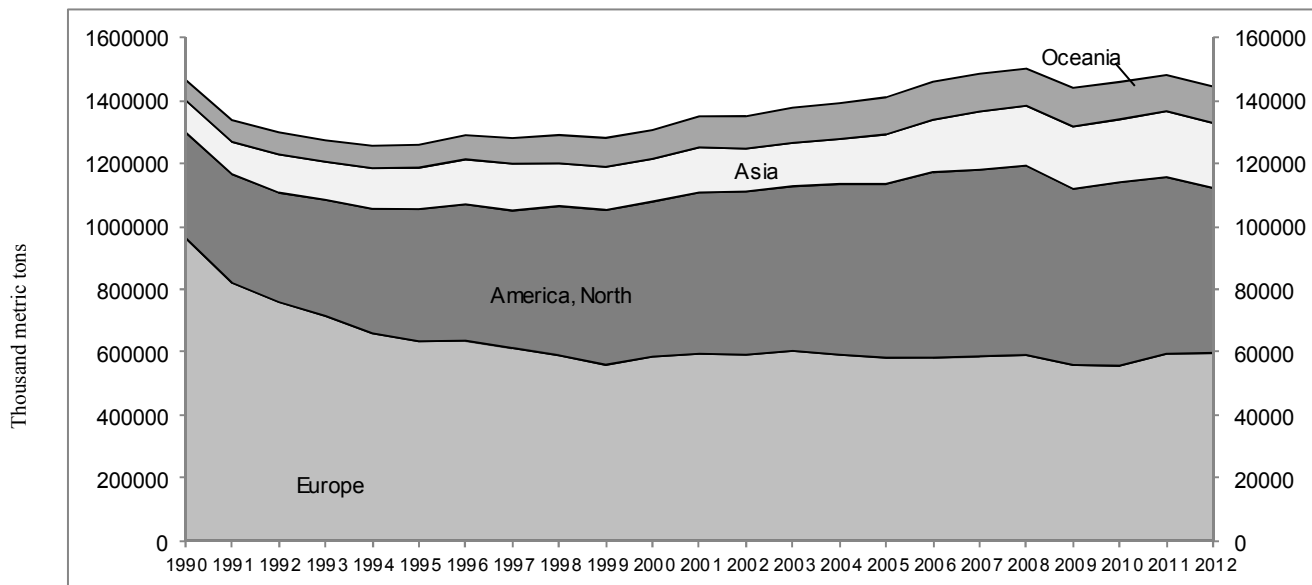


Figure 16: Major brown coal producing countries, 2012

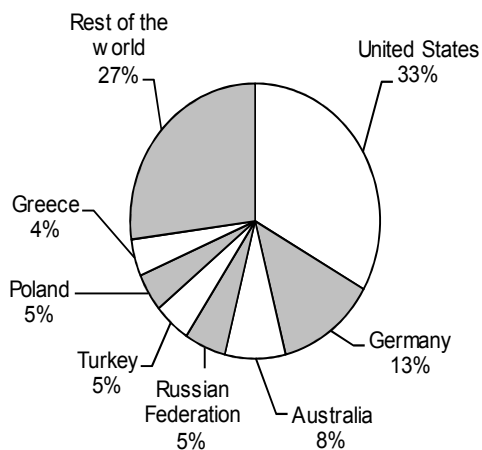


Figure 17: Major brown coal consuming countries, 2012

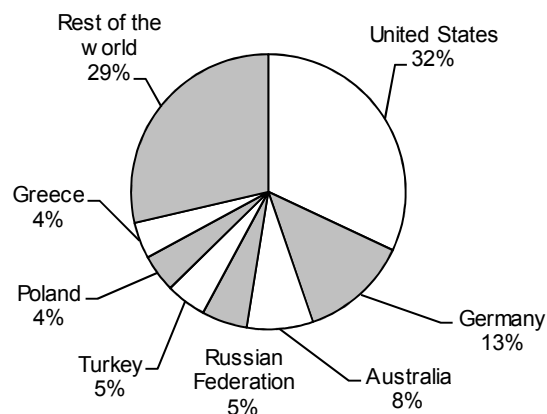


Table 7

Production, trade and supply of brown coal and oil shale

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2009	1,440,384	33,711	19,066	350	1,454,679	213
	2010	1,459,388	36,801	23,876	7,846	1,464,466	212
	2011	1,481,218	42,661	20,648	-7,913	1,511,143	216
	2012	1,444,672	46,037	26,364	13,165	1,451,180	205
America, North	2009	560,113	11,672	5,780	1,219	564,786	1,040
	2010	583,872	11,419	7,166	5,982	582,143	1,061
	2011	561,299	7,836	6,229	-6,566	569,472	1,027
	2012	524,217	8,049	8,344	12,186	511,736	914
Canada	2009	34,975	4,615	133	..	39,457	1,169
	2010	34,186	3,746	139	..	37,793	1,107
	2011	32,493	1,330	176	..	33,647	976
	2012	31,121	954	158	..	31,917	916
Mexico	2009	8,755	5,462	..	290	13,927	120
	2010	11,246	6,170	..	2,420	14,996	127
	2011	13,718	5,982	..	3,823	15,877	133
	2012	13,031	6,709	..	3,937	15,803	131
United States	2009	516,383	1,595	5,647	929	511,402	1,652
	2010	538,440	1,503	7,027	3,562	529,354	1,695
	2011	515,088	524	6,053	-10,389	519,948	1,651
	2012	480,065	386	8,186	8,249	464,016	1,461
Asia	2009	198,017	16,627	10,588	-2,581	206,636	50
	2010	199,662	20,462	14,334	1,263	204,526	49
	2011	209,485	28,510	11,559	829	225,607	54
	2012	207,050	31,207	14,162	-1,769	225,863	53
Cambodia	2009	..	16	..	..	16	1
	2010	..	17	..	..	17	1
	2011	..	19	..	..	19	1
	2012	..	21	..	..	21	1
Cyprus	2009	..	1	..	..	1	1
	2010	..	1	..	..	1	1
	2011	..	1	..	..	1	1
	2012	..	1	..	..	1	1
India	2009	34,071	..	0	-748	34,819	29
	2010	37,733	..	0	45	37,688	31
	2011	42,332	..	0	441	41,891	34
	2012	46,598	..	107	442	46,049	37
Indonesia	2009	*42,853	..	*7,835	..	*35,018	*147
	2010	41,274	..	7,782	..	33,492	139
	2011	*41,550	..	*8,000	..	*33,550	*138
	2012	*41,550	..	*8,000	..	*33,550	*136
Israel	2009	444	0	..	..	444	61
	2010	432	0	..	..	432	58
	2011	416	165	..	..	581	77
	2012	423	154	..	..	577	75
Kazakhstan	2009	5,084	4	309	70	4,709	299
	2010	7,283	7	1,924	69	5,297	333
	2011	8,368	3	286	56	8,029	499
	2012	7,748	7	2,339	-98	5,514	339
Korea, Dem.Ppl's.Rep.	2009	6,954	..	..	..	6,954	285
	2010	6,662	..	..	..	6,662	272
	2011	4,684	..	..	..	4,684	190
	2012	4,488	..	..	..	4,488	181

Table 7

Production, trade and supply of brown coal and oil shale

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Korea, Republic of	2009	..	3,562	..	..	3,562	74
	2010	..	5,090	..	..	5,090	105
	2011	..	4,215	..	..	4,215	86
	2012	..	2,834	..	..	2,834	58
Kyrgyzstan	2009	528	17	15	..	530	101
	2010	520	17	7	..	530	99
	2011	722	16	38	..	700	130
	2012	1,011	21	15	..	1,017	186
Lao People's Dem. Rep.	2009	466	..	*378	..	88	14
	2010	502	..	*409	..	92	14
	2011	512	..	*409	..	103	16
	2012	510	..	*409	..	101	15
Mongolia	2009	4,849	..	20	-25	4,854	1,816
	2010	5,723	..	76	217	5,430	2,002
	2011	5,213	..	*50	-32	5,195	1,886
	2012	6,190	..	*80	-156	6,266	2,241
Myanmar	2009	72	..	..	..	72	1
	2010	40	..	..	..	40	1
	2011	47	..	..	..	47	1
	2012	62	..	..	..	62	1
Other Asia	2009	..	5,800	..	-31	5,831	253
	2010	..	4,244	..	-172	4,416	191
	2011	..	12,945	..	-64	13,009	560
	2012	..	16,085	..	82	16,003	688
Philippines	2009	4,687	7,027	1,994	-1,774	11,494	125
	2010	6,650	10,966	4,099	211	13,306	142
	2011	6,882	10,963	2,736	469	14,639	154
	2012	7,349	11,896	3,173	-1,580	17,651	183
Tajikistan	2009	34	..	..	..	34	5
	2010	59	..	..	..	59	8
	2011	61	..	..	..	61	8
	2012	94	..	..	..	94	12
Thailand	2009	17,786	..	..	-57	17,843	269
	2010	18,344	..	..	303	18,041	272
	2011	21,327	..	..	1,309	20,018	301
	2012	18,066	..	..	-299	18,365	275
Turkey	2009	76,635	..	..	-16	76,651	1,076
	2010	70,875	..	..	590	70,285	974
	2011	73,588	..	..	-1,350	74,938	1,026
	2012	69,169	..	..	-160	69,329	937
United Arab Emirates	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	83	..	..	83	9
	2012	..	58	..	..	58	6
Uzbekistan	2009	3,553	200	37	..	3,716	136
	2010	3,565	120	37	..	3,648	131
	2011	3,784	100	39	..	3,845	137
	2012	3,793	130	39	..	3,884	136
Europe	2009	559,179	4,773	2,624	1,407	559,920	758
	2010	556,769	4,721	2,376	59	559,055	755
	2011	595,076	6,177	2,852	-2,197	600,598	810
	2012	597,327	6,643	3,858	2,840	597,273	805

Table 7

Production, trade and supply of brown coal and oil shale

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Albania	2009	14	212	..	..	226	72
	2010	14	234	..	..	248	79
	2011	*14	*234	..	..	*248	*79
	2012	*14	*234	..	..	*248	*78
Austria	2009	..	111	3	4	104	12
	2010	..	112	8	0	104	12
	2011	..	112	6	1	105	12
	2012	..	90	0	0	90	11
Bosnia and Herzegovina	2009	11,469	0	168	613	10,688	2,774
	2010	10,985	19	351	-173	10,826	2,815
	2011	12,628	29	488	-443	12,612	3,285
	2012	12,195	20	508	79	11,628	3,033
Bulgaria	2009	27,148	..	8	-31	27,171	3,649
	2010	29,379	..	43	-109	29,445	3,985
	2011	37,110	..	86	28	36,996	5,045
	2012	33,412	..	91	351	32,970	4,530
Croatia	2009	..	49	..	0	49	11
	2010	..	87	..	0	87	20
	2011	..	76	..	0	76	18
	2012	..	46	..	-4	50	12
Czech Republic	2009	45,416	109	1,175	112	44,238	4,219
	2010	43,774	58	1,056	-956	43,732	4,144
	2011	46,639	76	1,144	1,470	44,101	4,156
	2012	43,533	338	1,203	105	42,563	3,993
Estonia	2009	14,939	23	0	1,193	13,769	10,567
	2010	17,933	0	0	44	17,889	13,776
	2011	18,734	0	0	-5	18,739	14,476
	2012	18,796	0	0	1,270	17,526	13,578
France	2009	..	51	..	..	51	1
	2010	..	52	..	..	52	1
	2011	..	82	..	..	82	1
	2012	..	76	..	..	76	1
Germany	2009	169,857	10	38	-28	169,857	2,042
	2010	169,403	0	0	-340	169,743	2,045
	2011	176,502	0	5	193	176,304	2,127
	2012	185,432	0	276	-20	185,176	2,236
Greece	2009	64,893	30	0	-290	65,213	5,876
	2010	56,520	34	0	-1,150	57,704	5,194
	2011	58,666	111	10	-1,211	59,978	5,394
	2012	62,956	137	18	1,165	61,910	5,565
Hungary	2009	8,986	381	41	-1	9,327	930
	2010	9,113	292	3	200	9,202	919
	2011	9,555	317	7	-79	9,944	995
	2012	9,290	299	75	-388	9,902	993
Ireland	2009	..	33	2	7	24	5
	2010	..	22	1	0	21	5
	2011	..	22	1	-1	22	5
	2012	..	25	0	-3	28	6
Italy	2009	..	585	..	..	585	10
	2010	..	400	..	..	400	7
	2011	..	210	..	..	210	3
	2012	..	439	..	..	439	7

Table 7

Production, trade and supply of brown coal and oil shale

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Lithuania	2009	..	113	16	-44	141	45
	2010	..	144	18	-30	156	51
	2011	..	40	6	3	31	10
	2012	..	1	0	-15	16	5
Montenegro	2009	957	38	58	..	937	1,513
	2010	1,938	0	69	..	1,869	3,014
	2011	1,973	9	53	..	1,929	3,108
	2012	1,786	1	55	..	1,732	2,789
Netherlands	2009	..	38	0	10	28	2
	2010	..	29	4	-5	30	2
	2011	..	18	3	-23	38	2
	2012	..	38	0	-2	40	2
Poland	2009	57,108	30	68	-14	57,084	1,495
	2010	56,510	24	115	-174	56,593	1,482
	2011	62,841	76	145	64	62,708	1,641
	2012	64,280	147	134	138	64,155	1,679
Romania	2009	33,961	849	3	731	34,076	1,555
	2010	31,127	741	27	428	31,413	1,437
	2011	35,512	692	1	-1,606	37,809	1,734
	2012	33,945	1,023	17	134	34,817	1,600
Russian Federation	2009	69,011	338	893	-1,769	70,225	489
	2010	76,121	681	526	0	76,276	531
	2011	76,352	2,048	831	0	77,569	541
	2012	77,299	1,673	1,422	0	77,550	542
Serbia	2009	38,499	323	116	-331	39,037	4,024
	2010	37,976	324	114	654	37,532	3,890
	2011	41,105	635	34	-371	42,077	4,384
	2012	38,234	479	26	73	38,614	4,042
Slovakia	2009	2,573	780	..	87	3,266	602
	2010	2,378	613	..	-60	3,051	562
	2011	2,376	602	..	-173	3,151	579
	2012	2,292	675	..	21	2,946	541
Slovenia	2009	4,429	506	0	18	4,917	2,405
	2010	4,430	548	0	84	4,894	2,382
	2011	4,501	503	0	-3	5,007	2,428
	2012	4,278	604	0	-52	4,934	2,386
Spain	2009	2,493	..	..	1,118	1,375	30
	2010	2,444	..	..	1,659	785	17
	2011	2,359	..	..	-450	2,809	60
	2012	2,275	..	..	80	2,195	47
Switzerland	2009	..	71	..	5	66	8
	2010	..	66	..	4	62	8
	2011	..	72	..	3	69	9
	2012	..	53	..	3	50	6
T.F.Yug.Rep. Macedonia	2009	7,426	90	18	22	7,475	3,559
	2010	6,724	236	40	-15	6,935	3,299
	2011	8,209	213	32	406	7,984	3,795
	2012	7,310	245	33	-95	7,618	3,618
Ukraine	2009	..	3	17	-5	-9	0
	2010	..	5	1	-2	6	0
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..

Production, trade and supply of brown coal and oil shale

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Oceania	2009	123,075	639	73	304	123,337	3,421
	2010	119,085	199	0	542	118,742	3,239
	2011	115,358	138	9	21	115,466	3,102
	2012	116,077	138	0	-93	116,308	3,079
Australia	2009	120,597	..	..	..	120,597	5,472
	2010	116,351	..	..	..	116,351	5,193
	2011	112,744	..	..	..	112,744	4,958
	2012	113,423	..	..	..	113,423	4,921
New Zealand	2009	2,478	639	73	304	2,740	634
	2010	2,734	199	0	542	2,391	547
	2011	2,614	138	9	21	2,722	617
	2012	2,654	138	0	-93	2,885	647

Table 8

Production, trade and supply of coke

Thousand metric tons and kilograms per capita

Table Notes

Data comprise coal tar, gas coke and coke oven coke. In previous versions this table included petroleum coke and excluded coal tar.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification.

Figure 18: Per capita supply of coke by region, 2012

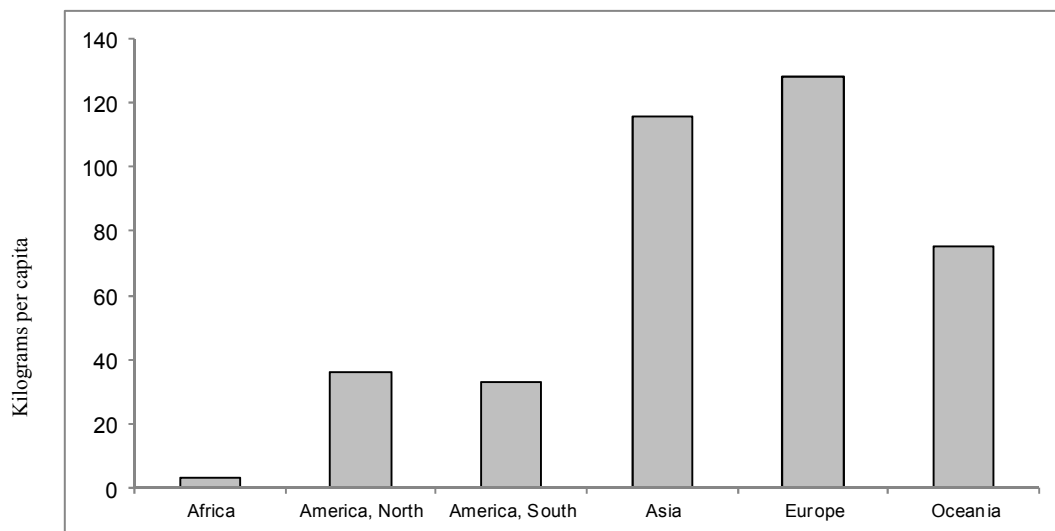


Figure 19: Major coke producing countries in 2012

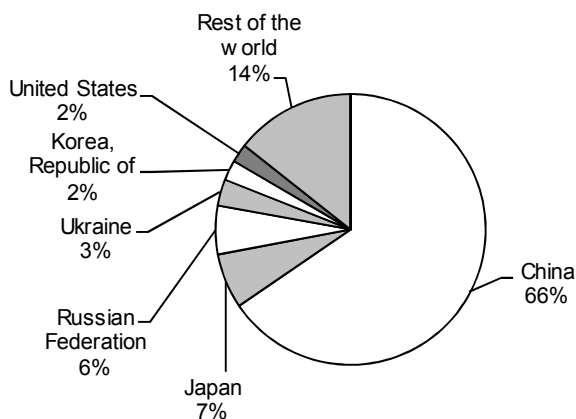


Figure 20: Major coke consuming countries in 2012

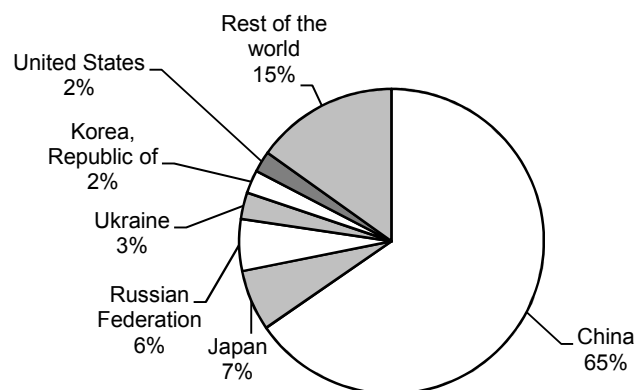


Table 8

Production, trade and supply of coke

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2009	533,522	16,857	16,496	21,666	512,217	75
	2010	584,336	26,685	24,139	16,828	570,054	82
	2011	630,518	24,243	23,607	10,995	620,160	89
	2012	626,885	23,027	22,643	-2,226	629,496	89
Africa	2009	3,021	302	611	-104	2,816	3
	2010	4,104	592	655	-8	4,050	4
	2011	3,190	514	482	-18	3,240	3
	2012	3,144	502	469	-27	3,204	3
Algeria	2009	206	229	..	-104	539	15
	2010	0	501	..	-8	509	14
	2011	0	438	..	-1	439	12
	2012	0	421	..	-13	434	11
Egypt	2009	1,492	49	450	..	1,091	14
	2010	1,409	47	478	..	978	13
	2011	*843	*28	*290	-17	*598	*8
	2012	*786	*26	*266	-14	*560	*7
Nigeria	2009	..	*3	..	..	*3	0
	2010	..	*3	..	..	*3	0
	2011	..	*3	..	..	*3	0
	2012	..	*3	..	..	*3	0
South Africa	2009	1,093	..	..	..	1,093	21
	2010	2,443	..	..	..	2,443	47
	2011	2,072	..	..	..	2,072	40
	2012	2,070	..	..	..	2,070	40
Zambia	2009	..	21	0	..	21	2
	2010	..	41	1	..	41	3
	2011	..	45	0	..	45	3
	2012	..	52	2	..	50	4
Zimbabwe	2009	230	..	161	..	69	5
	2010	252	..	176	..	76	6
	2011	275	..	192	..	83	6
	2012	288	..	201	..	87	6
America, North	2009	14,061	1,470	1,415	634	13,482	25
	2010	18,557	2,934	1,411	-49	20,129	37
	2011	18,915	2,673	1,233	36	20,319	37
	2012	18,653	2,541	1,304	-34	19,924	36
Bermuda	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	0	..	..	0	1
	2012	..	0	..	..	0	1
Canada	2009	2,190	346	229	434	1,873	55
	2010	2,720	761	83	-65	3,463	101
	2011	2,804	403	353	46	2,808	81
	2012	2,804	340	420	142	2,582	74
Costa Rica	2009	..	102	..	..	102	22
	2010	..	95	..	..	95	20
	2011	..	87	..	..	87	18
	2012	..	94	..	..	94	20
Cuba	2009	..	11	..	..	11	1
	2010	..	7	..	..	7	1
	2011	..	3	..	..	3	0
	2012	..	2	..	..	2	0

Table 8

Production, trade and supply of coke

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Dominican Republic	2009	..	356	..	..	356	36
	2010	..	400	..	..	400	40
	2011	..	404	..	..	404	40
	2012	..	446	..	..	446	43
Honduras	2009	..	69	..	..	69	9
	2010	..	72	..	..	72	9
	2011	..	75	..	..	75	10
	2012	..	76	..	..	76	10
Mexico	2009	1,763	208	0	327	1,644	14
	2010	2,209	391	1	83	2,516	21
	2011	2,122	336	0	-49	2,507	21
	2012	2,085	391	0	-50	2,526	21
Panama	2009	..	63	..	..	63	17
	2010	..	108	..	..	108	29
	2011	..	79	..	..	79	21
	2012	..	163	..	..	163	43
United States	2009	10,108	315	1,186	-127	9,364	30
	2010	13,628	1,101	1,327	-67	13,469	43
	2011	13,989	1,286	880	39	14,356	46
	2012	13,764	1,029	884	-126	14,035	44
America, South	2009	9,730	467	843	-22	9,376	24
	2010	12,813	1,861	1,727	126	12,821	33
	2011	13,503	2,189	1,546	-106	14,252	36
	2012	13,068	1,647	1,878	-439	13,276	33
Argentina	2009	912	..	25	5	882	22
	2010	1,168	..	32	6	1,130	28
	2011	1,276	..	35	7	1,234	30
	2012	765	..	53	-25	737	18
Brazil	2009	7,259	434	..	-15	7,708	40
	2010	9,189	1,801	..	82	10,908	56
	2011	9,683	2,142	..	-82	11,907	60
	2012	9,683	1,591	..	-328	11,602	58
Chile	2009	449	0	..	0	449	26
	2010	372	1	..	43	330	19
	2011	563	33	..	0	596	34
	2012	473	55	..	-47	575	33
Colombia	2009	1,110	..	818	..	292	6
	2010	2,084	..	1,695	..	389	8
	2011	1,981	..	1,511	..	470	10
	2012	2,147	..	1,785	..	362	8
Peru	2009	..	33	0	-12	45	2
	2010	..	59	0	-5	64	2
	2011	..	14	0	-31	45	2
	2012	..	1	40	-39	0	0
Asia	2009	415,583	5,718	1,809	22,331	397,161	96
	2010	446,500	7,935	5,137	16,206	433,092	104
	2011	488,699	7,350	5,222	10,362	480,465	114
	2012	488,646	7,884	3,886	-2,273	494,918	116
Afghanistan	2009	*20	107	20	..	107	4
	2010	*48	205	48	..	205	7
	2011	48	205	48	..	205	7
	2012	48	205	48	..	205	7

Table 8

Production, trade and supply of coke

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
China	2009	342,441	159	545	22,441	319,614	237
	2010	364,578	110	3,350	16,267	345,071	254
	2011	409,330	116	3,297	10,290	395,859	289
	2012	410,315	76	1,020	-2,174	411,544	299
Georgia	2009	..	72	..	..	72	16
	2010	..	97	0	..	97	22
	2011	..	137	3	..	134	31
	2012	..	132	0	..	132	30
India	2009	12,561	2,355	129	..	14,787	12
	2010	10,839	1,490	729	..	11,600	10
	2011	9,965	2,365	618	..	11,712	10
	2012	9,271	3,007	1,050	..	11,228	9
Indonesia	2009	217	49	0	..	266	1
	2010	15	63	0	..	78	0
	2011	*16	*60	0	..	*76	0
	2012	*18	*60	0	..	*78	0
Iran(Islamic Rep. of)	2009	1,017	633	1	..	1,649	22
	2010	882	1,198	2	..	2,078	28
	2011	714	1,307	3	..	2,018	27
	2012	543	892	2	..	1,433	19
Japan	2009	39,157	426	1,043	-400	38,940	306
	2010	43,682	1,014	666	-133	44,163	347
	2011	40,614	845	996	125	40,338	317
	2012	41,245	956	1,481	-85	40,805	321
Kazakhstan	2009	2,552	670	34	-24	3,212	204
	2010	2,527	793	96	60	3,164	199
	2011	2,663	785	20	-33	3,461	215
	2012	2,569	918	27	51	3,409	210
Korea, Dem.Ppl's.Rep.	2009	..	205	..	..	205	8
	2010	..	209	..	..	209	9
	2011	..	200	..	..	200	8
	2012	..	200	..	..	200	8
Korea, Republic of	2009	10,062	256	..	..	10,318	214
	2010	14,007	629	..	..	14,636	302
	2011	15,807	406	..	..	16,213	333
	2012	15,229	367	..	..	15,596	318
Other Asia	2009	3,817	109	37	-3	3,892	169
	2010	5,348	1,373	117	80	6,524	282
	2011	5,446	103	100	-20	5,469	236
	2012	5,152	235	114	-33	5,306	228
Pakistan	2009	302	..	..	..	302	2
	2010	300	..	..	..	300	2
	2011	193	..	..	..	193	1
	2012	*185	..	..	..	*185	*1
Philippines	2009	..	169	..	..	169	2
	2010	..	*215	..	..	*215	*2
	2011	..	*246	..	..	*246	*3
	2012	..	*262	..	..	*262	*3
Singapore	2009	..	6	..	..	6	1
	2010	..	11	0	..	11	2
	2011	..	4	0	..	4	1
	2012	..	0	0	..	0	0

Table 8

Production, trade and supply of coke

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Syrian Arab Republic	2009	..	4	0	..	4	0
	2010	..	4	0	..	4	0
	2011	..	4	0	..	4	0
	2012	..	1	0	..	1	0
Thailand	2009	..	117	..	106	11	0
	2010	..	209	..	-61	270	4
	2011	..	108	..	0	108	2
	2012	..	36	..	0	36	1
Turkey	2009	3,437	274	..	211	3,500	49
	2010	4,274	173	..	-7	4,454	62
	2011	3,903	309	..	0	4,212	58
	2012	4,072	378	..	-32	4,482	61
Viet Nam	2009	..	107	..	..	107	1
	2010	..	142	129	..	13	0
	2011	..	151	137	..	14	0
	2012	..	159	144	..	15	0
Europe	2009	88,042	8,894	11,818	-1,394	86,512	117
	2010	98,997	13,348	15,210	449	96,686	131
	2011	102,406	11,462	15,123	629	98,116	132
	2012	99,977	10,416	15,105	-42	95,329	128
Austria	2009	1,329	813	10	-19	2,151	257
	2010	1,441	1,254	3	83	2,609	311
	2011	1,365	1,332	0	78	2,619	311
	2012	1,358	1,202	0	-14	2,574	304
Belarus	2009	..	65	0	-1	66	7
	2010	..	76	0	5	71	7
	2011	..	83	0	1	82	9
	2012	..	90	0	4	86	9
Belgium	2009	1,574	179	405	-67	1,415	130
	2010	1,935	60	441	-135	1,689	154
	2011	1,923	59	334	-71	1,719	156
	2012	1,843	133	599	37	1,340	121
Bosnia and Herzegovina	2009	609	..	389	-100	320	83
	2010	920	6	522	1	403	105
	2011	887	18	442	36	427	111
	2012	700	0	199	48	453	118
Bulgaria	2009	0	71	0	8	63	8
	2010	2	69	1	-5	75	10
	2011	0	62	0	-6	68	9
	2012	0	66	0	1	65	9
Croatia	2009	..	24	0	-2	26	6
	2010	..	28	1	0	27	6
	2011	..	27	1	-2	28	6
	2012	..	29	1	0	28	7
Czech Republic	2009	2,486	811	572	-24	2,749	262
	2010	2,743	1,161	885	-54	3,073	291
	2011	2,791	817	536	-105	3,177	299
	2012	2,677	708	484	71	2,830	265
Denmark	2009	..	21	..	-5	26	5
	2010	..	22	..	-1	23	4
	2011	..	21	..	-3	24	4
	2012	..	21	..	0	21	4

Table 8

Production, trade and supply of coke

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Estonia	2009	18	..	26	-8	0	0
	2010	22	..	21	1	0	0
	2011	24	..	25	-1	0	0
	2012	25	..	23	2	0	0
Finland	2009	745	246	3	-53	1,041	195
	2010	833	441	5	-7	1,276	238
	2011	854	444	6	44	1,248	232
	2012	894	320	46	22	1,146	212
France	2009	3,291	1,048	617	-449	4,171	66
	2010	3,219	1,270	122	65	4,302	68
	2011	3,017	1,209	72	7	4,147	65
	2012	3,285	933	72	217	3,929	61
Germany	2009	6,771	2,573	105	58	9,181	110
	2010	8,150	4,310	189	-28	12,299	148
	2011	7,990	3,713	177	20	11,506	139
	2012	8,050	3,254	218	-121	11,207	135
Greece	2009	..	1	..	..	1	0
	2010	..	1	..	..	1	0
	2011	..	0	..	..	0	0
	2012	..	0	..	..	0	0
Hungary	2009	791	6	200	-47	644	64
	2010	1,082	10	364	-27	755	75
	2011	1,119	9	372	-1	757	76
	2012	1,086	7	369	-3	727	73
Iceland	2009	..	21	..	-10	31	99
	2010	..	25	..	-5	30	94
	2011	..	23	..	-9	32	99
	2012	..	43	..	8	35	107
Italy	2009	2,755	0	276	-8	2,487	41
	2010	4,110	18	303	-113	3,938	65
	2011	4,788	33	273	33	4,515	74
	2012	4,184	0	254	-19	3,949	65
Latvia	2009	..	5	..	0	5	2
	2010	..	3	..	0	3	1
	2011	..	3	..	0	3	1
	2012	..	6	..	0	6	3
Lithuania	2009	..	10	..	-1	11	4
	2010	..	16	..	0	16	5
	2011	..	18	..	0	18	6
	2012	..	19	..	0	19	6
Luxembourg	2009	..	1	..	..	1	2
	2010	..	1	..	..	1	2
	2011	..	1	..	..	1	2
	2012	..	1	..	..	1	2
Netherlands	2009	1,776	154	160	-125	1,895	114
	2010	2,131	355	160	-19	2,345	141
	2011	2,112	239	42	-30	2,339	140
	2012	1,979	252	21	-82	2,292	137
Norway	2009	..	279	0	-15	294	61
	2010	..	434	4	5	425	87
	2011	..	455	0	-19	474	96
	2012	..	469	2	8	459	92

Table 8

Production, trade and supply of coke

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Poland	2009	7,405	56	5,115	-352	2,698	71
	2010	10,281	138	6,762	459	3,198	84
	2011	9,782	148	6,860	56	3,014	79
	2012	9,269	148	6,769	22	2,626	69
Portugal	2009	..	1	..	-2	3	0
	2010	..	3	..	0	3	0
	2011	..	3	..	0	3	0
	2012	..	1	..	0	1	0
Republic of Moldova	2009	..	2	..	0	2	1
	2010	..	4	..	0	4	1
	2011	..	0	..	0	0	0
	2012	..	1	..	0	1	0
Romania	2009	341	593	5	-22	951	43
	2010	2	1,081	5	73	1,005	46
	2011	0	802	0	-110	912	42
	2012	0	747	0	-29	776	36
Russian Federation	2009	31,497	219	1,858	-118	29,976	209
	2010	33,450	196	2,295	0	31,351	218
	2011	36,112	160	2,530	0	33,742	235
	2012	36,404	563	2,361	0	34,606	242
Serbia	2009	..	660	0	-1	661	68
	2010	..	792	15	-11	788	82
	2011	..	640	0	0	640	67
	2012	..	167	1	12	154	16
Slovakia	2009	1,631	275	222	-68	1,752	323
	2010	1,715	610	381	-134	2,078	382
	2011	1,680	468	236	35	1,877	345
	2012	1,620	218	106	58	1,674	307
Slovenia	2009	..	25	..	-5	30	15
	2010	..	29	..	-4	33	16
	2011	..	31	..	-4	35	17
	2012	..	30	..	-5	35	17
Spain	2009	1,984	121	199	107	1,799	39
	2010	2,131	204	370	44	1,921	42
	2011	2,052	165	374	51	1,792	39
	2012	1,807	168	461	-208	1,722	37
Sweden	2009	987	146	274	19	840	90
	2010	1,197	247	33	-13	1,424	152
	2011	1,223	214	25	89	1,323	140
	2012	1,115	92	22	22	1,163	122
Switzerland	2009	..	22	..	..	22	3
	2010	..	18	..	..	18	2
	2011	..	20	..	..	20	3
	2012	..	21	..	..	21	3
T.F.Yug.Rep. Macedonia	2009	..	2	0	0	2	1
	2010	..	27	1	0	26	12
	2011	..	42	0	1	41	19
	2012	..	14	0	0	13	6
Ukraine	2009	18,210	266	1,236	-74	17,314	374
	2010	19,445	326	1,844	40	17,887	388
	2011	20,473	177	2,351	11	18,288	399
	2012	19,788	501	2,577	-7	17,719	389

Production, trade and supply of coke

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
United Kingdom	2009	3,842	178	146	-10	3,884	63
	2010	4,188	113	483	229	3,589	58
	2011	4,214	26	467	528	3,245	52
	2012	3,893	192	520	-86	3,651	58
Oceania	2009	3,085	6	..	221	2,870	80
	2010	3,365	14	..	104	3,275	89
	2011	3,805	55	..	92	3,768	101
	2012	3,397	37	..	589	2,845	75
Australia	2009	2,671	6	..	221	2,456	111
	2010	2,907	14	..	104	2,817	126
	2011	3,327	55	..	92	3,290	145
	2012	2,911	37	..	589	2,359	102
New Zealand	2009	414	..	..	..	414	96
	2010	458	..	..	..	458	105
	2011	478	..	..	..	478	108
	2012	486	..	..	..	486	109

Table 9

Production, trade and supply of patent fuel

Thousand metric tons and kilograms per capita

Table Notes

In previous versions patent fuel was called hard coal briquettes. The name was changed so that the product follows SIEC nomenclature.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/classification.

Figure 21: Major patent fuel producing countries, 2012

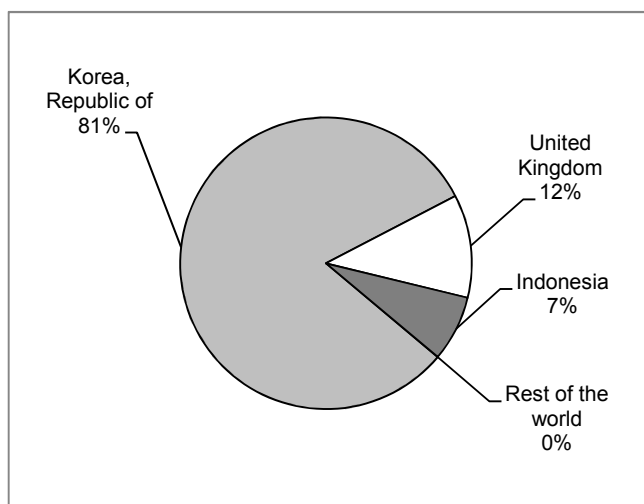


Figure 22: Major patent fuel consuming countries, 2012

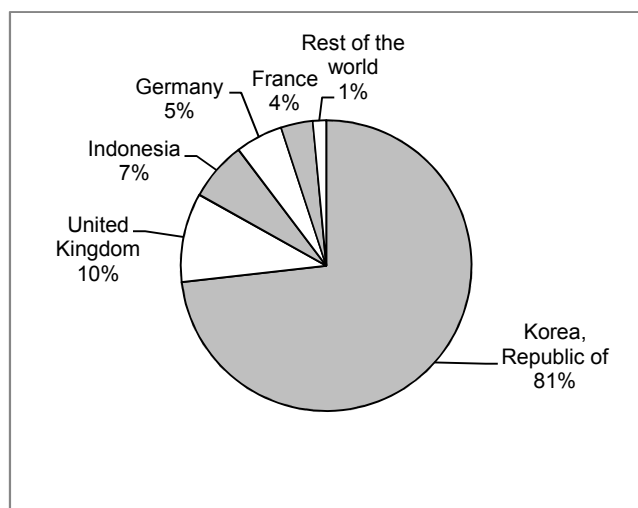


Table 9

Production, trade and supply of patent fuel

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2009	2,730	211	181	18	2,742	0
	2010	2,330	506	52	-17	2,801	0
	2011	2,271	436	65	17	2,625	0
	2012	2,256	285	49	-12	2,504	0
America, North	2009	0	2	..	0	2	0
	2010	0	2	..	0	2	0
	2011	0	2	..	0	2	0
	2012	0	2	..	0	2	0
Bahamas	2009	..	*2	..	..	*2	*6
	2010	..	*2	..	..	*2	*6
	2011	..	*2	..	..	*2	*5
	2012	..	*2	..	..	*2	*5
Asia	2009	2,411	1	133	5	2,274	1
	2010	2,009	2	0	0	2,011	0
	2011	1,977	2	0	0	1,979	0
	2012	1,998	2	0	0	2,000	0
Armenia	2009	..	0	..	..	0	0
	2010	..	2	..	..	2	1
	2011	..	*2	..	..	*2	*1
	2012	..	*2	..	..	*2	*1
Indonesia	2009	470	1	133	5	333	1
	2010	*150	0	0	0	*150	*1
	2011	*155	0	0	0	*155	*1
	2012	*165	0	0	0	*165	*1
Korea, Republic of	2009	1,941	..	..	..	1,941	40
	2010	1,859	..	..	..	1,859	38
	2011	1,822	..	..	..	1,822	37
	2012	1,833	..	..	..	1,833	37
Europe	2009	319	208	48	13	466	1
	2010	321	502	52	-17	788	1
	2011	294	432	65	17	644	1
	2012	258	281	49	-12	502	1
Austria	2009	..	18	..	0	18	2
	2010	..	13	..	0	13	2
	2011	..	0	..	0	0	0
	2012	..	7	..	0	7	1
Belgium	2009	..	8	7	-2	3	0
	2010	..	10	7	0	3	0
	2011	..	23	19	2	2	0
	2012	..	13	13	-2	2	0
France	2009	7	110	6	1	110	2
	2010	0	104	4	0	100	2
	2011	0	81	0	0	81	1
	2012	0	89	0	0	89	1
Germany	2009	..	54	3	..	51	1
	2010	..	345	1	..	344	4
	2011	..	275	1	..	274	3
	2012	..	133	1	..	132	2
Hungary	2009	9	..	..	4	5	0
	2010	0	..	..	-3	3	0
	2011	5	..	..	2	3	0
	2012	0	..	..	-3	3	0

Table 9**Production, trade and supply of patent fuel**

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Netherlands	2009	..	0	..	..	0	0
	2010	..	0	..	..	0	0
	2011	..	0	..	..	0	0
	2012	..	1	1	..	0	0
Poland	2009	..	3	0	2	1	0
	2010	..	9	1	0	8	0
	2011	..	20	13	0	7	0
	2012	..	12	2	0	10	0
Russian Federation	2009	0	..	0	..	0	0
	2010	3	..	3	..	0	0
	2011	0	..	0	..	0	0
	2012	0	..	0	..	0	0
Serbia	2009	..	0	..	..	0	0
	2010	..	2	..	..	2	0
	2011	..	0	..	..	0	0
	2012	..	..	..	..	..	..
Slovakia	2009	..	9	..	..	9	2
	2010	..	9	..	..	9	2
	2011	..	12	..	..	12	2
	2012	..	11	..	..	11	2
United Kingdom	2009	303	6	31	10	268	4
	2010	318	10	35	-13	306	5
	2011	289	21	32	13	265	4
	2012	258	15	32	-7	248	4

Production, trade and supply of brown coal briquettes and peat products

Thousand metric tons and kilograms per capita

Table Notes

Data refer to brown coal briquettes (BKB) and peat products.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/classification.

Figure 23: Production by region of BKB and peat products, 1990-2012

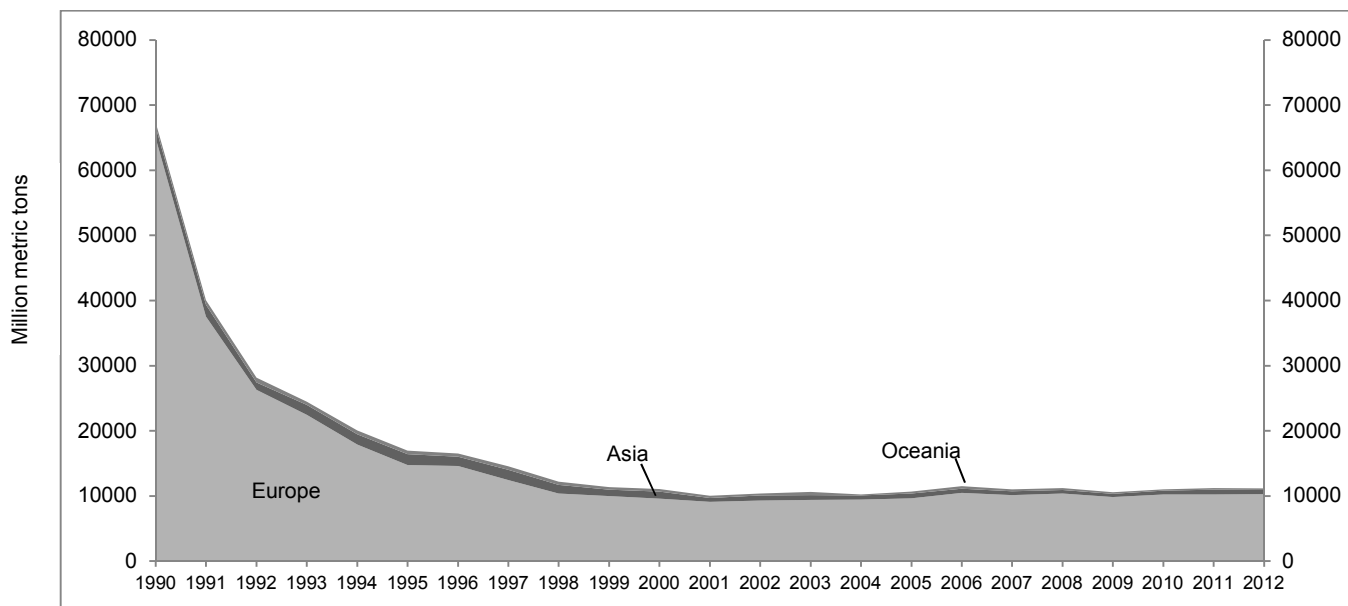


Figure 24: Major BKB and peat products producing countries, 2012

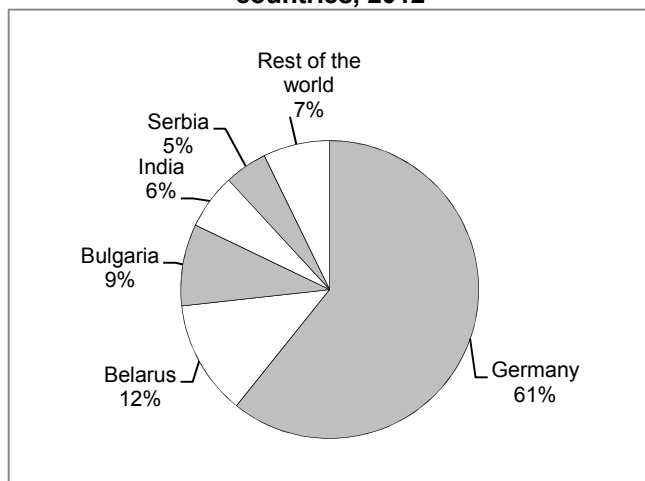


Figure 25: Major BKB and peat products consuming countries, 2012

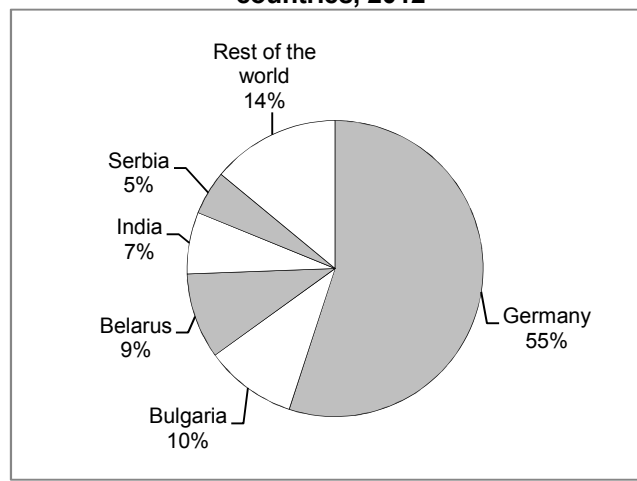


Table 10

Production, trade and supply of brown coal briquettes and peat products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2009	10,588	559	1,748	10	9,389	1
	2010	11,005	714	1,829	8	9,882	1
	2011	11,206	821	1,917	-22	10,132	1
	2012	11,167	742	1,925	86	9,898	1
Asia	2009	511	..	..	..	511	0
	2010	575	0	0	..	575	0
	2011	745	0	0	..	745	0
	2012	669	0	0	..	669	0
India	2009	511	..	..	..	511	0
	2010	575	..	..	..	575	0
	2011	745	..	..	..	745	1
	2012	669	..	..	..	669	1
Europe	2009	9,836	559	1,748	9	8,638	12
	2010	10,240	714	1,829	49	9,076	12
	2011	10,248	821	1,917	-1	9,153	12
	2012	10,270	742	1,925	128	8,959	12
Austria	2009	..	44	2	15	27	3
	2010	..	37	0	7	30	4
	2011	..	20	1	-7	26	3
	2012	..	23	1	0	22	3
Belarus	2009	1,257	..	492	-31	796	84
	2010	1,317	..	386	31	900	95
	2011	1,362	..	339	97	926	98
	2012	1,392	..	393	74	925	98
Belgium	2009	..	187	6	-2	183	17
	2010	..	298	23	5	270	25
	2011	..	433	90	0	343	31
	2012	..	327	54	-2	275	25
Bulgaria	2009	1,672	..	..	9	1,663	223
	2010	1,356	..	..	-39	1,395	189
	2011	856	..	..	39	817	111
	2012	995	..	..	2	993	136
Czech Republic	2009	170	131	88	-1	214	20
	2010	145	149	71	3	220	21
	2011	0	162	8	3	151	14
	2012	0	173	11	-3	165	15
Denmark	2009	..	1	..	..	1	0
	2010	..	2	..	..	2	0
	2011	..	1	..	..	1	0
	2012	..	1	..	..	1	0
Estonia	2009	45	..	20	15	10	8
	2010	84	..	64	9	11	8
	2011	75	..	78	-16	13	10
	2012	52	..	41	-2	13	10
Finland	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	28	..	..	..	28	5
Germany	2009	5,752	121	1,123	16	4,734	57
	2010	6,253	104	1,251	-5	5,111	62
	2011	6,922	83	1,372	-137	5,770	70
	2012	6,786	58	1,392	5	5,447	66

Table 10

Production, trade and supply of brown coal briquettes and peat products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Hungary	2009	..	17	..	..	17	2
	2010	..	14	..	..	14	1
	2011	..	11	..	..	11	1
	2012	..	7	..	..	7	1
Ireland	2009	243	..	11	6	226	51
	2010	238	..	23	18	197	44
	2011	192	..	21	16	155	34
	2012	197	..	20	-16	193	42
Lithuania	2009	10	40	..	-2	52	17
	2010	6	52	..	3	55	18
	2011	7	68	2	12	61	20
	2012	5	76	13	-5	73	24
Luxembourg	2009	..	8	..	..	8	16
	2010	..	10	..	..	10	20
	2011	..	9	..	..	9	17
	2012	..	9	..	..	9	17
Poland	2009	..	7	0	0	7	0
	2010	..	5	1	0	4	0
	2011	..	16	4	0	12	0
	2012	..	10	0	0	10	0
Russian Federation	2009	53	..	0	2	51	0
	2010	39	..	1	-3	41	0
	2011	42	..	1	0	41	0
	2012	82	..	..	..	82	1
Serbia	2009	435	2	6	-21	452	47
	2010	557	9	9	19	538	56
	2011	568	9	1	-7	583	61
	2012	519	18	..	59	478	50
Slovakia	2009	..	1	..	0	1	0
	2010	..	34	..	2	32	6
	2011	..	9	..	0	9	2
	2012	..	40	..	16	24	4
Ukraine	2009	199	..	..	3	196	4
	2010	245	..	..	-1	246	5
	2011	224	..	..	-1	225	5
	2012	214	..	..	0	214	5
Oceania	2009	241	..	..	1	240	7
	2010	190	..	..	-41	231	6
	2011	213	..	..	-21	234	6
	2012	228	..	..	-42	270	7
Australia	2009	241	..	..	1	240	11
	2010	190	..	..	-41	231	10
	2011	213	..	..	-21	234	10
	2012	228	..	..	-42	270	12

Table 11

Production, trade and supply of peat

Thousand metric tons and kilograms per capita

Table Notes

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/classification.

Figure 26: World production of peat 1990-2012

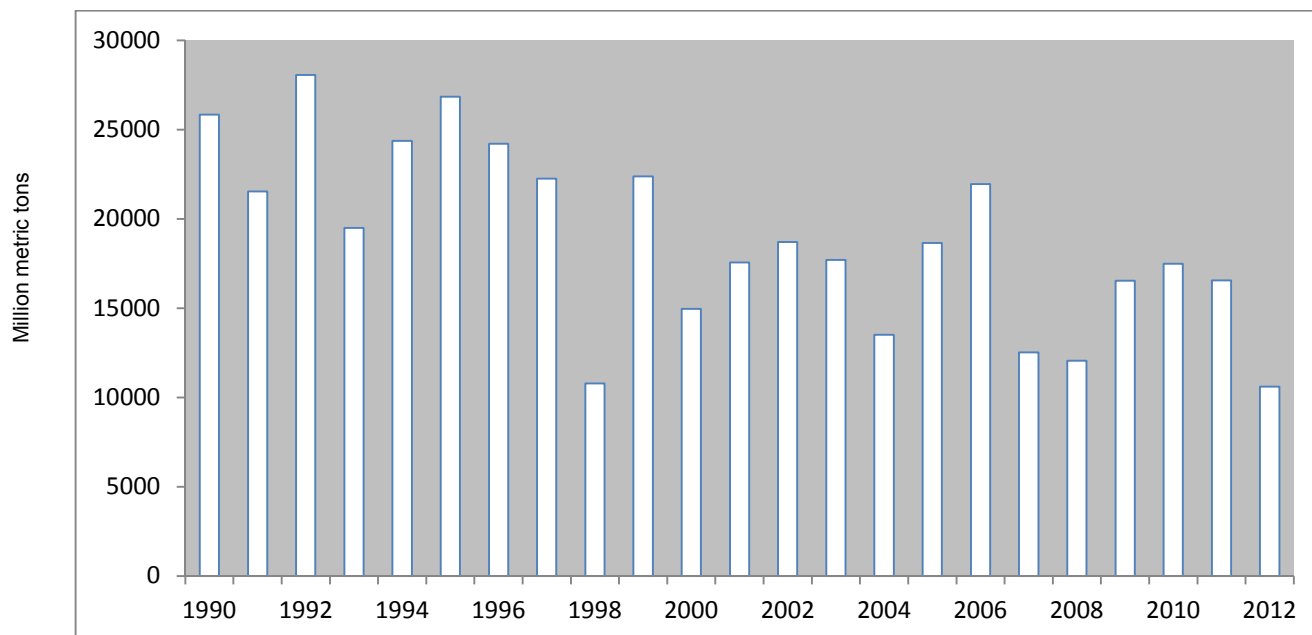


Figure 27: Major peat producing countries, 2012

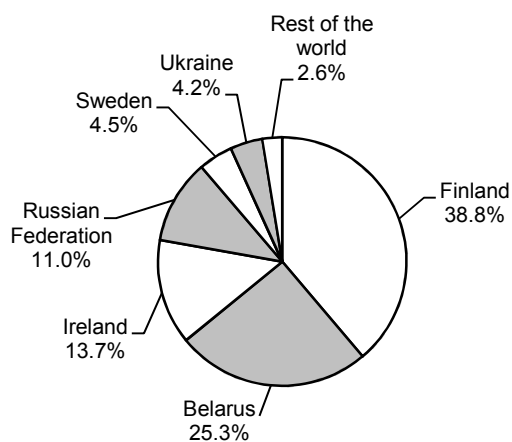


Figure 28: Major peat consuming countries, 2012

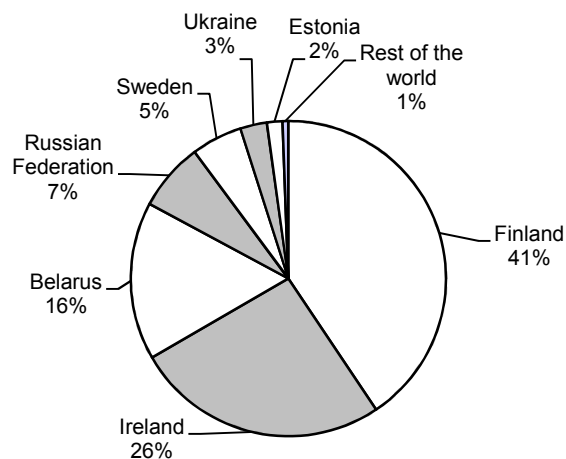


Table 11

Production, trade and supply of peat

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2009	16,530	608	131	328	16,679	2
	2010	17,491	447	227	-1,379	19,090	3
	2011	16,546	559	177	-1,152	18,080	3
	2012	10,597	498	152	-5,056	15,999	2
Africa	2009	11	..	..	..	11	0
	2010	13	..	..	..	13	0
	2011	8	..	..	..	8	0
	2012	20	..	..	..	20	0
Burundi	2009	11	..	..	..	11	1
	2010	13	..	..	..	13	1
	2011	8	..	..	..	8	1
	2012	20	..	..	..	20	2
America, South	2009	13	1	..	..	14	0
	2010	13	2	..	..	15	0
	2011	13	2	..	..	15	0
	2012	13	3	..	..	16	0
Falkland Is. (Malvinas)	2009	*13	..	..	..	*13	*4,325
	2010	*13	..	..	..	*13	*4,309
	2011	*13	..	..	..	*13	*4,295
	2012	*13	..	..	..	*13	*4,282
Uruguay	2009	..	1	..	..	1	0
	2010	..	2	..	..	2	1
	2011	..	2	..	..	2	1
	2012	..	3	..	..	3	1
Asia	2009	1	2	0	..	3	0
	2010	1	3	0	..	4	0
	2011	1	5	1	..	5	0
	2012	1	7	1	..	7	0
Armenia	2009	*1	0	0	..	*1	0
	2010	*1	0	0	..	*1	0
	2011	*1	0	1	..	0	0
	2012	*1	0	1	..	0	0
Georgia	2009	..	0	0	..	0	0
	2010	..	0	0	..	0	0
	2011	..	1	0	..	1	0
	2012	..	1	0	..	1	0
Singapore	2009	..	0	0	..	0	0
	2010	..	0	0	..	0	0
	2011	..	1	0	..	1	0
	2012	..	2	0	..	2	0
Viet Nam	2009	..	*2	..	..	*2	0
	2010	..	3	..	..	3	0
	2011	..	3	..	..	3	0
	2012	..	3	..	..	3	0
Europe	2009	16,505	604	131	328	16,650	23
	2010	17,464	442	227	-1,379	19,058	26
	2011	16,524	552	176	-1,152	18,052	24
	2012	10,563	488	151	-5,056	15,956	22
Austria	2009	1	..	..	..	1	0
	2010	1	..	..	..	1	0
	2011	1	..	..	..	1	0
	2012	1	..	..	..	1	0

Table 11

Production, trade and supply of peat

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Belarus	2009	2,212	..	..	-216	2,428	255
	2010	2,352	..	..	-209	2,561	270
	2011	2,823	..	..	247	2,576	273
	2012	2,679	..	..	86	2,593	276
Estonia	2009	328	..	13	52	263	202
	2010	361	..	81	-73	353	272
	2011	323	..	23	-5	305	236
	2012	166	..	17	-108	257	199
Finland	2009	9,004	116	24	2,029	7,067	1,322
	2010	7,421	7	14	-1,914	9,328	1,738
	2011	6,928	105	5	-1,300	8,328	1,545
	2012	4,113	92	9	-2,300	6,496	1,201
Ireland	2009	2,773	..	..	-1,501	4,274	969
	2010	4,992	..	..	945	4,047	906
	2011	3,708	..	..	-94	3,802	841
	2012	1,452	..	..	-2,716	4,168	911
Latvia	2009	25	..	7	15	3	1
	2010	10	..	6	-6	10	5
	2011	1	..	5	-8	4	2
	2012	9	..	13	-7	3	1
Lithuania	2009	53	..	7	14	32	10
	2010	31	..	9	-8	30	10
	2011	42	..	12	-12	42	14
	2012	61	..	13	6	42	14
Romania	2009	9	35	1	0	43	2
	2010	3	37	1	-1	40	2
	2011	1	40	2	0	39	2
	2012	2	0	0	0	2	0
Russian Federation	2009	910	..	..	-26	936	7
	2010	1,066	15	66	0	1,015	7
	2011	1,431	18	55	0	1,394	10
	2012	1,162	6	49	0	1,119	8
Sweden	2009	702	435	..	..	1,137	122
	2010	797	365	..	..	1,162	124
	2011	736	360	..	..	1,096	116
	2012	472	363	..	..	835	88
T.F.Yug.Rep. Macedonia	2009	..	4	0	..	4	2
	2010	..	4	0	..	4	2
	2011	..	5	0	..	5	2
	2012	..	4	0	..	4	2
Ukraine	2009	488	14	79	-39	462	10
	2010	430	14	50	-113	507	11
	2011	530	24	74	20	460	10
	2012	446	23	50	-17	436	10

Production of biofuels and wastes

Terajoules

Table Notes

The conversion of fuelwood (solid volume, .9.135 TJ/m³) is based on an average 20-30% moisture content of wood from an unspecified species.

The methodology used for estimating fuel bagasse production for certain countries is derived from the work done by the Economic Commission for Latin America and the Caribbean (ECLAC). Although several different methodologies have been devised, the one selected assumes a yield of 3.26 tons of fuel bagasse at 50% humidity per ton of cane sugar produced. This methodology was used for instances where bagasse production data were derived from

sugar production figures extracted from the Sugar Yearbook of the International Sugar Organization (London).

Biogasoline includes Other liquid biofuels.

The total column excludes charcoal as it is the only secondary energy product in the table.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/classification.

Figure 29: Fuelwood production by region, 1990-2012

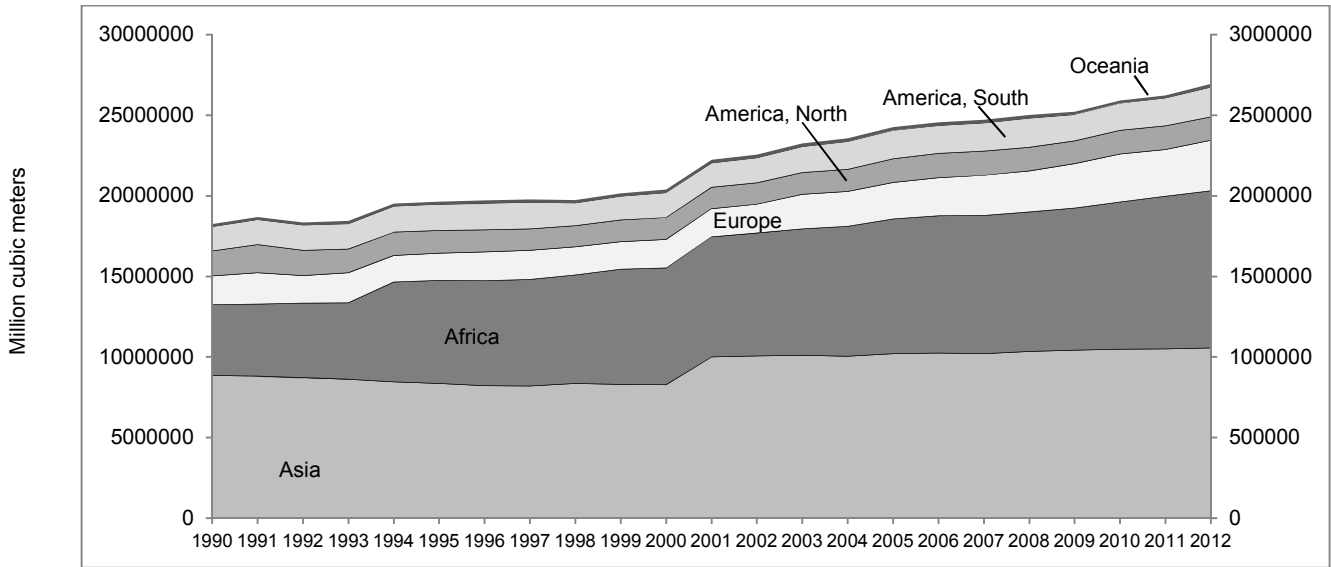


Figure 30: Charcoal production by region 1990-2012

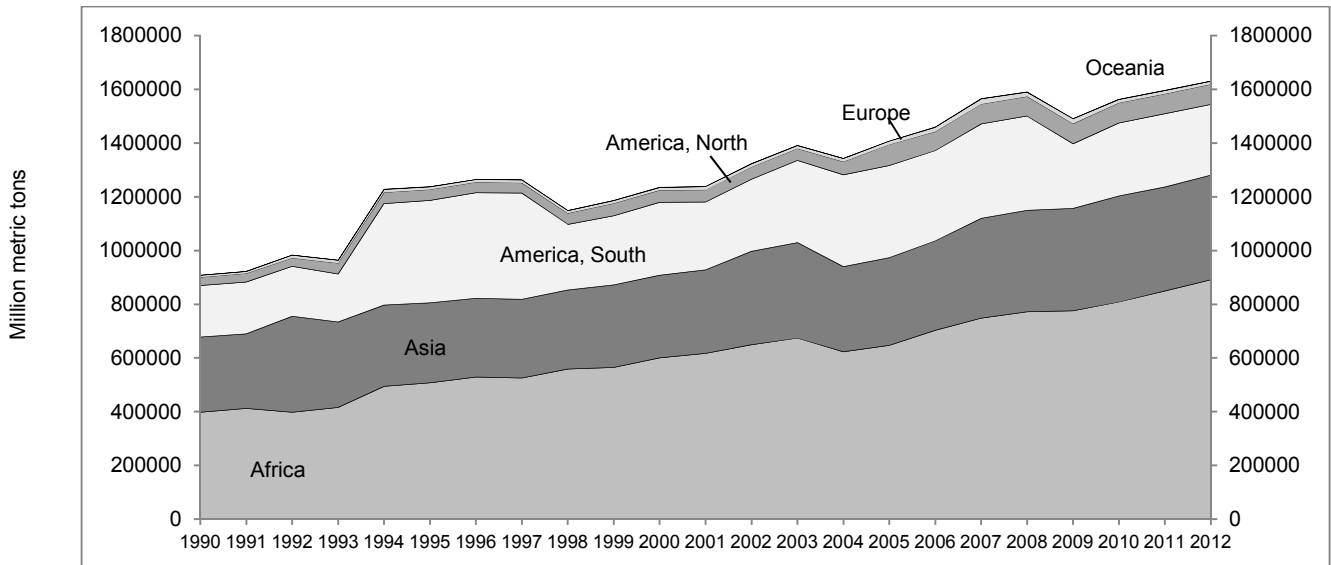


Figure 31: Primary solid biofuels production by region, 2012

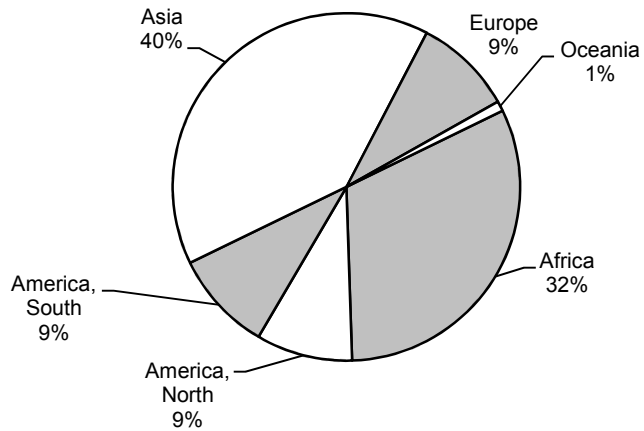


Figure 32: Biogases production by region, 2012

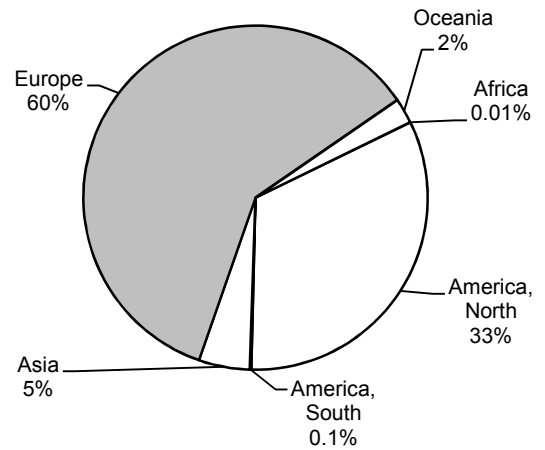


Figure 33: Bagasse production by region, 2012

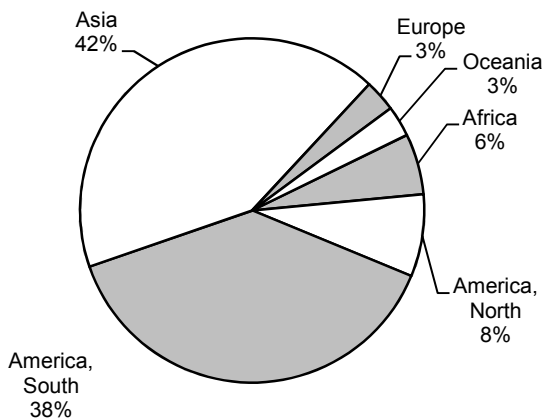


Figure 34: Liquids biofuels production by region, 2012

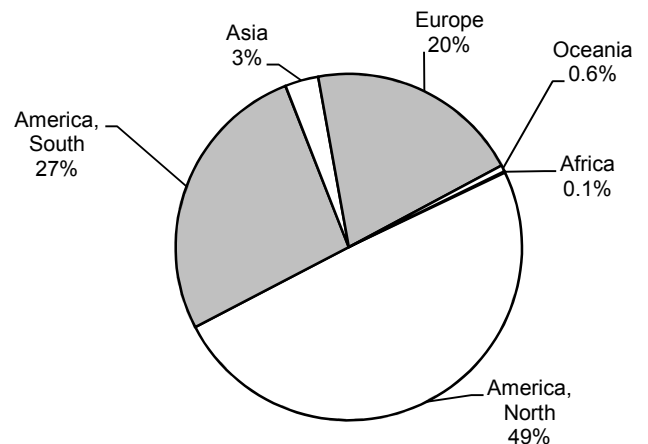


Figure 35: Energy production from wastes by region, 2012

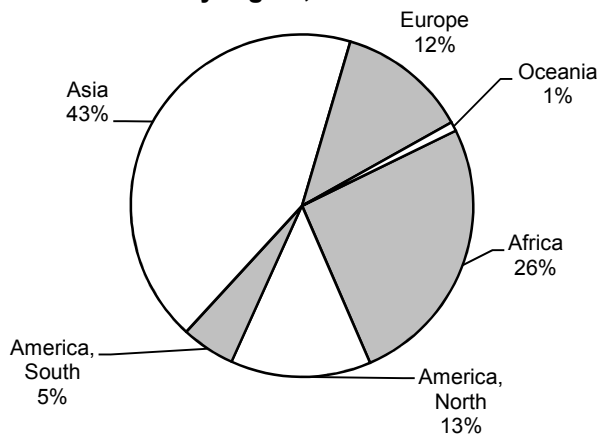


Table 12

Production of biofuels and wastes

Terajoules (TJ)

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
World	2009	25,205,363	605,219	8,648,054	2,874,254	1,463,073	1,490,587
	2010	25,904,432	634,357	9,047,888	3,006,046	1,624,436	1,562,398
	2011	26,220,034	643,929	9,299,622	3,388,785	1,600,279	1,595,769
	2012	26,942,072	680,013	9,554,584	3,542,789	1,677,743	1,630,895
Africa	2009	8,822,993	136,305	2,755,300	200,523	..	775,600
	2010	9,128,474	139,718	2,821,826	188,797	..	808,321
	2011	9,466,513	143,242	2,886,219	193,970	..	849,224
	2012	9,757,418	146,788	2,964,280	202,740	..	890,559
Algeria	2009	2,246	..	..	..	..	..
	2010	2,169	..	..	..	..	..
	2011	674	..	..	..	..	..
	2012	652	..	..	..	..	..
Angola	2009	193,414	..	125,718	..	..	33,778
	2010	199,770	..	129,849	..	..	34,899
	2011	206,218	..	134,040	..	..	36,020
	2012	212,768	..	138,298	..	..	37,170
Benin	2009	83,193	..	375	252	..	6,962
	2010	85,673	..	375	252	..	7,228
	2011	88,105	..	386	252	..	7,434
	2012	90,546	..	397	252	..	7,641
Botswana	2009	6,199	..	..	..	..	2,097
	2010	6,242	..	..	..	..	2,129
	2011	6,270	..	..	..	..	2,146
	2012	6,299	..	..	..	..	2,164
Burkina Faso	2009	115,101	..	..	1,004	..	16,815
	2010	116,791	..	..	1,004	..	17,296
	2011	118,417	..	..	1,004	..	17,777
	2012	120,080	..	..	1,004	..	18,275
Burundi	2009	83,229	..	..	360	..	1,770
	2010	84,581	..	..	477	..	1,770
	2011	85,842	..	..	521	..	1,770
	2012	87,111	..	..	583	..	1,770
Cabo Verde	2009	1,726	..	..	..	..	27
	2010	1,767	..	..	..	..	785
	2011	1,797	..	..	..	..	798
	2012	1,828	..	..	..	..	812
Cameroon	2009	179,342	..	6,282	..	..	6,313
	2010	179,451	..	6,031	..	..	6,313
	2011	183,993	..	6,187	..	..	6,461
	2012	188,147	..	6,347	..	..	6,608
Central African Rep.	2009	18,270	..	..	..	..	5,487
	2010	18,270	..	..	..	..	5,671
	2011	18,270	..	..	..	..	5,774
	2012	18,270	..	..	..	..	5,880
Chad	2009	63,479	..	..	1,007	..	11,582
	2010	64,584	..	..	948	..	11,874
	2011	65,626	..	..	812	..	12,181
	2012	66,686	..	..	881	..	12,493
Comoros	2009	2,364	..	..	..	..	1,138
	2010	2,429	..	..	..	..	1,171
	2011	2,491	..	..	..	..	1,204
	2012	2,556	..	..	..	..	1,236
Congo	2009	20,835	..	10,684	..	..	5,222
	2010	21,445	..	10,997	..	..	5,369
	2011	22,034	..	11,299	..	..	6,166
	2012	22,618	..	11,599	..	..	5,664

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
536,179	1,101,726	1,613,028	477,885	566,018	43,090,800
608,339	1,129,195	1,803,176	542,409	629,333	44,929,611
741,413	1,185,900	1,739,503	623,491	738,129	46,181,085
734,514	1,211,224	1,726,306	669,517	850,682	47,589,446
20,850	..	2,841	..	72	11,938,883
20,850	..	2,975	..	80	12,302,719
20,850	..	2,975	..	80	12,713,847
20,850	..	3,136	..	121	13,095,332
..	2,246
..	2,169
..	674
..	652
..	319,132
..	329,619
..	340,258
..	351,066
..	83,820
..	86,300
..	88,743
..	91,195
..	6,199
..	6,242
..	6,270
..	6,299
..	116,105
..	117,795
..	119,421
..	121,083
..	83,589
..	85,058
..	86,362
..	87,695
..	1,726
..	1,767
..	1,797
..	1,828
..	185,624
..	185,482
..	190,180
..	194,494
..	18,270
..	18,270
..	18,270
..	18,270
..	64,486
..	65,533
..	66,437
..	67,567
..	2,364
..	2,429
..	2,491
..	2,556
..	31,519
..	32,442
..	33,333
..	34,217

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Côte d'Ivoire	2009	295,982	..	1,549	..	..	29,707
	2010	320,643	..	1,487	..	..	31,300
	2011	380,476	..	1,364	..	..	37,554
	2012	392,717	..	1,412	..	..	38,911
Dem. Rep. of the Congo	2009	739,108	..	14,982	..	..	20,768
	2010	764,232	..	15,404	..	..	21,476
	2011	806,022	..	15,835	..	..	22,214
	2012	780,461	..	16,274	..	..	23,010
Djibouti	2009	3,193	..	..	..	..	1,387
	2010	3,252	..	..	..	..	1,413
	2011	3,303	..	..	..	..	1,437
	2012	3,355	..	..	..	..	1,460
Egypt	2009	158,918	..	32,412	25,426	..	39,640
	2010	159,967	..	32,961	24,523	..	40,112
	2011	160,370	..	33,517	25,429	..	40,480
	2012	160,781	..	34,078	25,429	..	40,849
Equatorial Guinea	2009	4,083	..	..	..	..	266
	2010	4,083	..	..	..	..	266
	2011	4,083	..	..	..	..	266
	2012	4,083	..	..	..	..	280
Eritrea	2009	19,815	2,370	1,322	..	..	3,776
	2010	20,542	2,413	1,366	..	..	3,983
	2011	21,229	2,495	1,412	..	..	4,130
	2012	21,937	2,579	1,459	..	..	4,278
Ethiopia	2009	912,315	128,001	125,466	..	..	107,495
	2010	925,141	131,419	128,816	..	..	110,162
	2011	937,337	134,928	132,256	..	..	112,885
	2012	949,733	138,454	135,712	..	..	115,678
Gabon	2009	45,292	..	2,743	..	..	581
	2010	46,395	..	2,810	..	..	596
	2011	47,528	..	2,879	..	..	608
	2012	48,691	..	2,949	..	..	620
Gambia	2009	6,924	..	..	..	..	1,702
	2010	6,340	..	..	..	..	1,741
	2011	6,422	..	..	..	..	1,779
	2012	6,513	..	..	..	..	1,817
Ghana	2009	115,471	..	..	..	..	31,609
	2010	114,467	..	..	..	..	31,645
	2011	127,881	..	..	..	..	36,391
	2012	143,472	..	..	..	..	41,790
Guinea	2009	108,719	..	..	629	..	10,048
	2010	109,245	..	..	629	..	10,277
	2011	109,713	..	..	629	..	10,502
	2012	110,196	..	..	629	..	10,733
Guinea-Bissau	2009	23,397	..	..	..	..	1,848
	2010	23,751	..	..	..	..	1,890
	2011	24,092	..	..	..	..	1,935
	2012	24,438	..	..	..	..	1,981
Kenya	2009	226,849	..	42,990	15,297	..	522
	2010	255,990	..	38,035	16,162	..	522
	2011	241,164	..	27,622	13,413	..	*522
	2012	241,164	..	28,378	13,514	..	*522
Lesotho	2009	19,036	..	..	..	..	2,794
	2010	19,109	..	..	..	..	2,850
	2011	19,181	..	..	..	..	2,903
	2012	19,253	..	..	..	..	2,956

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	297,531
..	322,130
..	381,840
..	394,129
..	754,090
..	779,636
..	821,857
..	796,735
..	3,193
..	3,252
..	3,303
..	3,355
..	216,755
..	217,451
..	219,316
..	220,288
..	4,083
..	4,083
..	4,083
..	4,083
..	23,507
..	24,321
..	25,136
..	25,975
..	..	134	..	..	1,165,916
..	..	161	..	..	1,185,537
..	..	161	..	..	1,204,681
..	..	241	..	..	1,224,141
..	48,035
..	49,205
..	50,407
..	51,640
..	6,924
..	6,340
..	6,422
..	6,513
..	115,471
..	114,467
..	127,881
..	143,472
..	109,349
..	109,874
..	110,343
..	110,825
..	23,397
..	23,751
..	24,092
..	24,438
..	285,137
..	310,187
..	282,199
..	283,056
..	19,036
..	19,109
..	19,181
..	19,253

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Liberia	2009	61,667	..	..	..	..	6,647
	2010	64,021	..	..	..	..	6,919
	2011	66,265	..	..	..	..	7,177
	2012	68,588	..	..	..	..	7,445
Libya	2009	6,779	..	..	..	..	..
	2010	6,867	..	..	..	..	..
	2011	6,937	..	..	..	..	..
	2012	6,996	..	..	..	..	..
Madagascar	2009	119,669	..	..	1,510	..	31,502
	2010	119,669	..	..	2,014	..	35,252
	2011	119,669	..	..	1,762	..	35,252
	2012	119,166	..	..	1,888	..	34,989
Malawi	2009	48,855	..	..	7,552	..	14,115
	2010	49,378	..	..	7,016	..	14,450
	2011	49,928	..	..	7,678	..	14,804
	2012	50,500	..	..	8,056	..	15,167
Mali	2009	48,087	..	..	881	..	3,806
	2010	48,653	..	..	881	..	3,929
	2011	49,192	..	..	881	..	4,160
	2012	49,740	..	..	881	..	3,894
Mauritania	2009	16,362	..	..	..	..	5,301
	2010	16,775	..	..	..	..	5,475
	2011	17,148	..	..	..	..	5,623
	2012	17,532	..	..	..	..	5,773
Mauritius	2009	183	..	..	10,518	..	..
	2010	183	..	..	10,857	..	..
	2011	183	..	..	10,525	..	..
	2012	183	..	..	9,969	..	..
Morocco	2009	62,134	..	..	1,835	..	3,095
	2010	61,987	..	..	1,617	..	3,142
	2011	61,769	..	..	1,690	..	3,180
	2012	61,579	..	..	809	..	3,221
Mozambique	2009	309,417	..	16,248	6,355	..	13,187
	2010	317,443	..	16,669	7,089	..	13,423
	2011	325,576	..	17,096	9,807	..	13,688
	2012	333,814	..	17,529	9,985	..	20,503
Namibia	2009	3,570	..	4,626	..	..	..
	2010	3,630	..	4,704	..	..	..
	2011	3,695	..	4,788	..	..	..
	2012	3,763	..	4,877	..	..	..
Niger	2009	53,069	352	585	..	..	1,108
	2010	54,882	367	447	..	..	1,145
	2011	56,750	*350	*450	..	..	*1,183
	2012	56,700	*350	*450	..	..	*1,222
Nigeria	2009	1,922,295	..	1,987,353	944	..	77,261
	2010	2,053,167	..	2,042,696	755	..	89,356
	2011	2,184,881	..	2,100,060	755	..	102,749
	2012	2,369,125	..	2,159,419	1,133	..	118,148
Réunion	2009	283	..	..	4,161	..	434
	2010	283	..	..	4,191	..	434
	2011	283	..	..	4,082	..	435
	2012	283	..	..	4,095	..	435
Rwanda	2009	72,431	..	..	252	..	14,912
	2010	75,096	..	..	176	..	15,774
	2011	*77,355	..	..	252	..	*16,449
	2012	*79,803	..	..	252	..	*16,968

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	61,667
..	64,021
..	66,265
..	68,588
..	6,779
..	6,867
..	6,937
..	6,996
..	121,179
..	121,682
..	121,431
..	121,054
*20,850	77,257
*20,850	77,243
*20,850	78,456
*20,850	79,406
..	48,968
..	49,534
..	50,073
..	50,621
..	16,362
..	16,775
..	17,148
..	17,532
..	10,700
..	11,040
..	10,708
..	10,152
..	63,968
..	63,604
..	63,459
..	62,388
..	332,020
..	341,201
..	352,479
..	361,328
..	8,196
..	8,334
..	8,483
..	8,640
..	54,006
..	55,696
..	57,550
..	57,500
..	3,910,592
..	4,096,618
..	4,285,696
..	4,529,677
..	72	4,517
..	80	4,554
..	80	4,445
..	121	4,500
..	72,683
..	75,272
..	*77,607
..	*80,055

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Sao Tome and Principe	2009	968	..	..	..	..	257
	2010	977	..	..	..	..	260
	2011	987	..	..	..	..	266
	2012	996	..	..	..	..	268
Senegal	2009	48,023	..	333	2,643	..	16,579
	2010	44,095	..	870	2,643	..	16,107
	2011	45,319	..	1,195	2,643	..	16,550
	2012	46,561	..	611	2,769	..	16,992
Seychelles	2009	29	..	..	..	..	..
	2010	29	..	..	..	..	..
	2011	29	..	..	..	..	..
	2012	29	..	..	..	..	..
Sierra Leone	2009	50,644	..	..	154	..	11,004
	2010	50,992	..	..	201	..	11,269
	2011	51,330	..	..	201	..	11,564
	2012	51,704	..	..	201	..	11,830
Somalia	2009	119,608	..	..	503	..	32,117
	2010	123,333	..	..	503	..	33,406
	2011	127,494	..	..	629	..	35,022
	2012	127,494	..	..	629	..	35,022
South Africa	2009	534,585	..	80,691	58,661	..	20,750
	2010	541,748	..	81,773	52,095	..	20,809
	2011	549,029	..	82,871	49,874	..	20,877
	2012	556,427	..	83,988	53,334	..	20,945
St. Helena and Depend.	2009	6	..	..	..	..	..
	2010	5	..	..	..	..	..
	2011	5	..	..	..	..	..
	2012	5	..	..	..	..	..
Sudan	2009	406,077	..	46,430	20,618	..	53,484
	2010	413,492	..	46,642	12,803	..	54,929
	2011	421,711	..	46,833	18,101	..	56,552
	2012	430,015	..	46,700	18,579	..	57,850
Swaziland	2009	9,550	*4,100	..	15,807	..	1,218
	2010	9,708	*4,050	..	15,444	..	1,257
	2011	9,847	*4,000	..	16,240	..	1,292
	2012	9,987	*3,950	..	15,691	..	1,325
Togo	2009	94,964	..	915	..	..	17,228
	2010	97,714	..	935	..	..	17,730
	2011	100,480	..	955	..	..	18,231
	2012	103,262	..	1,225	..	..	18,733
Tunisia	2009	33,617	1,482	3,925	..	..	5,487
	2010	33,755	1,469	3,900	..	..	5,635
	2011	33,907	1,469	3,888	..	..	5,753
	2012	34,058	1,455	3,863	..	..	5,871
Uganda	2009	356,685	..	..	*10,811	..	26,757
	2010	362,078	..	..	*10,811	..	27,478
	2011	367,008	..	..	*10,270	..	28,228
	2012	372,030	..	..	*11,506	..	28,999
United Rep. of Tanzania	2009	607,113	..	115,436	6,778	..	45,843
	2010	626,112	..	118,926	7,271	..	46,315
	2011	645,439	..	122,578	7,151	..	46,787
	2012	665,915	..	126,790	8,056	..	47,259
Zambia	2009	233,645	..	39,891	..	..	29,854
	2010	240,786	..	41,110	..	..	30,769
	2011	248,383	..	42,407	..	..	31,742
	2012	256,417	..	43,779	..	..	32,775

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	968
..	977
..	987
..	996
..	50,999
..	47,608
..	49,157
..	49,941
..	29
..	29
..	29
..	29
..	50,799
..	51,192
..	51,530
..	51,905
..	120,112
..	123,836
..	128,124
..	128,124
..	..	2,707	..	..	676,644
..	..	*2,814	..	..	678,430
..	..	*2,814	..	..	684,588
..	..	*2,894	..	..	696,644
..	6
..	5
..	5
..	5
..	473,125
..	472,937
..	486,645
..	495,294
..	29,457
..	29,202
..	30,086
..	29,629
..	95,879
..	98,649
..	101,435
..	104,487
..	39,024
..	39,124
..	39,263
..	39,375
..	367,496
..	372,889
..	377,278
..	383,536
..	729,327
..	752,309
..	775,168
..	800,761
..	273,536
..	281,896
..	290,790
..	300,196

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Zimbabwe	2009	154,178	..	94,344	6,562	..	324
	2010	155,288	..	95,023	8,434	..	327
	2011	157,376	..	96,301	9,369	..	330
	2012	160,390	..	98,146	12,615	..	333
America, North	2009	1,423,190	331,572	662,937	225,966	845,337	75,314
	2010	1,457,017	355,942	704,085	223,538	900,942	75,291
	2011	1,460,272	358,288	709,763	241,983	904,055	73,759
	2012	1,450,445	391,970	775,023	273,604	975,357	74,567
Anguilla	2009	*2	..	..	..	..	..
	2010	*2	..	..	..	..	..
	2011	*2	..	..	..	..	..
	2012	*2	..	..	..	..	..
Aruba	2009	16	..	..	..	..	5
	2010	16	..	..	..	..	5
	2011	17	..	..	..	..	5
	2012	17	..	..	..	..	5
Bahamas	2009	301	..	..	..	..	30
	2010	301	..	..	..	..	31
	2011	303	..	..	..	..	32
	2012	304	..	..	..	..	32
Barbados	2009	46	..	..	1,375	..	9
	2010	46	..	..	1,387	..	9
	2011	45	..	..	857	..	9
	2012	45	..	..	769	..	9
Belize	2009	1,151	..	..	2,216	..	21
	2010	830	..	..	2,095	..	21
	2011	830	..	..	*2,443	..	21
	2012	*1,151	..	..	*3,205	..	22
Bermuda	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..
British Virgin Islands	2009	12	..	..	..	..	2
	2010	12	..	..	..	..	2
	2011	13	..	..	..	..	2
	2012	13	..	..	..	..	2
Canada	2009	293,626	..	..	..	166,404	..
	2010	279,281	..	..	..	172,107	..
	2011	285,010	..	..	..	170,419	..
	2012	274,913	..	..	..	172,751	..
Costa Rica	2009	15,917	..	5,740	10,416	..	36
	2010	17,913	..	4,878	10,772	..	42
	2011	17,163	..	4,965	8,613	..	32
	2012	12,350	..	4,965	9,285	..	36
Cuba	2009	15,922	..	63	28,718	..	2,154
	2010	10,423	..	50	23,375	..	2,006
	2011	11,921	..	13	30,502	..	1,564
	2012	11,062	..	88	30,580	..	974
Dominica	2009	69	..	..	..	..	7
	2010	69	..	..	..	..	7
	2011	69	..	..	..	..	7
	2012	69	..	..	..	..	7
Dominican Republic	2009	19,589	..	..	11,434	..	2,808
	2010	19,781	..	..	11,385	..	2,902
	2011	19,709	..	..	10,816	..	2,953
	2012	19,570	..	..	11,908	..	2,995

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	..	..	..	..	255,084
..	..	..	..	..	258,745
..	..	..	..	..	263,046
..	..	..	..	..	271,151
124,772	305,751	912,256	62,118	221,706	5,115,606
143,593	299,584	1,055,178	52,072	234,592	5,426,543
145,235	302,408	1,118,743	108,118	242,521	5,591,387
143,003	305,145	1,071,007	113,270	277,410	5,776,234
..	..	..	..	..	*2
..	..	..	..	..	*2
..	..	..	..	..	*2
..	..	..	..	..	*2
..	..	..	..	..	16
..	..	..	..	..	16
..	..	..	..	..	17
..	..	..	..	..	17
..	..	..	..	..	301
..	..	..	..	..	301
..	..	..	..	..	303
..	..	..	..	..	304
..	..	..	..	..	1,421
..	..	..	..	..	1,433
..	..	..	..	..	902
..	..	..	..	..	814
..	..	..	..	..	3,367
..	..	..	..	..	2,925
..	..	..	..	..	*3,273
..	..	..	..	..	*4,356
..	*612	..	..	..	*612
..	*584	..	..	..	*584
..	*560	..	..	..	*560
..	*565	..	..	..	*565
..	..	..	..	..	12
..	..	..	..	..	12
..	..	..	..	..	13
..	..	..	..	..	13
4,555	5,229	27,470	0	6,982	504,266
4,748	5,229	29,292	4,526	9,920	505,104
5,080	5,229	35,108	5,115	9,921	515,882
5,252	5,231	36,475	5,115	9,921	509,658
..	..	725	..	..	32,797
..	..	597	..	..	34,161
..	..	632	..	..	31,373
..	..	742	..	..	27,343
..	..	390	..	..	45,093
..	..	393	..	..	34,241
..	..	399	..	..	42,835
..	..	375	..	..	42,104
..	..	..	..	..	69
..	..	..	..	..	69
..	..	..	..	..	69
..	..	..	..	..	69
..	..	..	..	..	31,023
..	..	..	..	..	31,166
..	..	..	..	..	30,525
..	..	..	..	..	31,478

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
El Salvador	2009	21,235	..	..	11,114	..	1,475
	2010	21,338	..	..	11,250	..	1,475
	2011	21,450	..	..	10,224	..	1,505
	2012	21,458	..	..	12,819	..	1,505
Greenland	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..
Grenada	2009	229	..	..	21	..	51
	2010	234	..	..	22	..	54
	2011	240	..	..	22	..	57
	2012	235	..	..	22	..	58
Guadeloupe	2009	137	..	..	..	..	61
	2010	137	..	..	..	..	62
	2011	137	..	..	..	..	62
	2012	137	..	..	..	..	62
Guatemala	2009	164,279	..	..	50,288	..	1,829
	2010	216,456	..	..	46,597	..	1,888
	2011	218,080	..	..	72,189	..	1,918
	2012	219,700	..	..	75,799	..	1,977
Haiti	2009	125,793	..	..	1,077	..	32,952
	2010	129,170	..	..	919	..	34,073
	2011	133,606	..	..	970	..	35,430
	2012	137,987	..	..	967	..	36,787
Honduras	2009	68,147	..	..	13,692	..	798
	2010	69,686	..	..	12,448	..	817
	2011	71,240	..	..	15,260	..	537
	2012	72,678	..	..	18,707	..	620
Jamaica	2009	2,773	..	..	6,178	..	1,133
	2010	2,773	..	..	2,461	..	1,133
	2011	2,773	..	..	3,409	..	1,133
	2012	2,773	..	..	3,357	..	1,133
Martinique	2009	91	..	..	*174	..	53
	2010	91	..	..	*175	..	53
	2011	91	..	..	*175	..	53
	2012	91	..	..	*175	..	53
Mexico	2009	260,678	..	88,726	..	..	4,160
	2010	259,311	..	88,970	..	..	2,242
	2011	253,496	..	90,579	..	..	2,508
	2012	252,826	..	98,021	..	..	2,360
Netherlands Antilles	2009	30	..	..	..	..	8
	2010	30	..	..	..	..	8
	2011	*31	..	..	..	..	*8
	2012	*31	..	..	..	..	*8
Nicaragua	2009	45,668	..	..	11,659	..	236
	2010	46,084	..	..	13,269	..	531
	2011	42,048	..	..	12,826	..	502
	2012	42,078	..	..	11,670	..	561
Panama	2009	17,618	..	..	3,633	..	148
	2010	13,173	..	..	3,854	..	148
	2011	12,141	..	..	4,433	..	148
	2012	11,109	..	..	4,666	..	148
St. Lucia	2009	90	..	..	..	..	10
	2010	90	..	..	..	..	10
	2011	90	..	..	..	..	10
	2012	90	..	..	..	..	10

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	32,349
..	32,588
..	31,674
..	34,276
..	80	..	..	..	80
..	90	..	..	..	90
..	91	..	..	..	91
..	103	..	..	..	103
..	250
..	256
..	262
..	257
..	137
..	137
..	137
..	137
..	214,567
..	263,053
..	290,269
..	295,499
..	126,870
..	130,089
..	134,576
..	138,954
..	81,839
..	82,134
..	86,500
..	91,385
..	8,951
..	5,234
..	6,183
..	6,130
..	*432	..	..	..	*697
..	*432	..	..	..	*698
..	*432	..	..	..	*698
..	*432	..	..	..	*698
..	1,633	351,037
..	1,900	350,181
..	2,154	346,229
..	1,822	352,669
..	30
..	30
..	*31
..	*31
..	57,327
..	59,353
..	54,874
..	53,748
..	21,251
..	17,027
..	16,574
..	15,776
..	90
..	90
..	90
..	90

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
St. Vincent-Grenadines	2009	69	..	..	..	..	11
	2010	68	..	..	..	..	11
	2011	68	..	..	..	..	11
	2012	68	..	..	..	..	11
Trinidad and Tobago	2009	302	..	..	487	..	59
	2010	300	..	..	0	..	59
	2011	297	..	..	0	..	59
	2012	294	..	..	0	..	59
Turks and Caicos Islands	2009	9	..	..	..	..	3
	2010	9	..	..	..	..	4
	2011	9	..	..	..	..	4
	2012	9	..	..	..	..	4
United States	2009	369,392	*331,572	*568,409	73,484	*678,933	27,258
	2010	369,392	*355,942	*610,187	83,530	*728,835	27,701
	2011	369,392	*358,288	*614,207	69,244	*733,636	25,193
	2012	369,383	*391,970	*671,949	89,677	*802,606	25,134
America, South	2009	1,628,393	..	457,001	1,306,618	37,440	239,673
	2010	1,679,407	..	506,182	1,405,217	35,892	271,182
	2011	1,717,812	..	590,256	1,310,586	35,291	272,653
	2012	1,845,113	..	619,085	1,363,530	33,035	263,158
Argentina	2009	26,209	..	24,922	42,053	..	10,797
	2010	26,214	..	27,997	38,437	..	11,535
	2011	26,987	..	27,586	40,303	..	11,210
	2012	28,230	..	29,978	40,220	..	11,977
Bolivia (Plur. State of)	2009	21,277	..	2,679	8,937	..	1,062
	2010	21,466	..	2,606	10,070	..	1,062
	2011	21,630	..	2,537	8,685	..	1,062
	2012	21,798	..	2,537	11,958	..	1,062
Brazil	2009	1,008,961	..	378,638	1,128,786	..	187,119
	2010	1,058,235	..	424,400	1,238,107	..	217,681
	2011	1,049,520	..	511,647	1,134,709	..	225,262
	2012	1,039,325	..	534,041	1,189,968	..	217,917
Chile	2009	230,956	..	..	..	..	7,346
	2010	205,583	..	..	..	..	7,316
	2011	248,100	..	..	..	..	7,316
	2012	393,699	..	..	..	..	7,316
Colombia	2009	74,857	..	15,967	74,997	15,968	14,190
	2010	74,857	..	11,941	65,468	11,941	14,190
	2011	84,240	..	10,158	69,684	10,158	9,352
	2012	94,173	..	11,023	64,171	*8,641	7,139
Ecuador	2009	44,990	..	..	12,842	..	2,510
	2010	45,127	..	..	12,579	..	2,434
	2011	45,237	..	..	14,502	..	2,345
	2012	45,355	..	..	14,811	..	2,257
Falkland Is. (Malvinas)	2009	6	..	..	..	..	3
	2010	6	..	..	..	..	3
	2011	6	..	..	..	..	3
	2012	7	..	..	..	..	3
French Guiana	2009	1,114	..	..	..	..	201
	2010	1,170	..	..	..	..	213
	2011	1,211	..	..	..	..	222
	2012	1,255	..	..	..	..	232
Guyana	2009	1,419	..	..	7,077	..	26
	2010	1,382	..	..	6,822	..	58
	2011	1,329	..	..	8,320	..	49
	2012	1,213	..	..	6,960	..	48

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	69
..	68
..	68
..	68
..	789
..	300
..	297
..	294
..	9
..	9
..	9
..	9
120,217	299,398	883,671	62,118	213,091	3,600,285
138,845	293,249	1,024,895	47,546	222,772	3,875,192
140,155	296,096	1,082,605	103,003	230,446	3,997,072
137,751	298,814	1,033,416	108,155	265,667	4,169,388
..	..	570,208	52,819	288	4,052,767
..	..	611,434	85,181	362	4,323,675
..	..	504,704	115,387	418	4,274,455
..	..	521,158	118,699	1,150	4,501,769
..	42,982	..	136,166
..	..	2,707	72,238	..	167,593
..	..	3,779	96,600	..	195,255
..	..	5,628	97,704	..	201,760
..	32,893
..	34,141
..	32,852
..	36,293
..	..	562,559	..	..	3,078,943
..	..	601,392	..	..	3,322,134
..	..	492,477	..	..	3,188,352
..	..	504,376	..	..	3,267,710
..	288	231,244
..	362	205,945
..	418	248,518
..	273	393,972
..	..	7,048	8,769	..	197,606
..	..	6,164	12,586	..	182,956
..	..	7,141	18,202	..	199,583
..	..	7,818	19,633	..	205,459
..	..	0	..	..	57,832
..	..	107	..	..	57,813
..	..	134	..	..	59,873
..	..	161	..	..	60,327
..	6
..	6
..	6
..	7
..	1,114
..	1,170
..	1,211
..	1,255
..	8,496
..	8,205
..	9,649
..	8,173

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Country or area	Year	Solid biofuels					Charcoal
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	
Paraguay	2009	101,774	..	23,657	3,021	..	13,972
	2010	102,296	..	24,485	3,021	..	14,155
	2011	99,660	..	23,362	3,021	..	13,561
	2012	96,611	..	23,412	3,021	..	12,966
Peru	2009	80,149	..	10,299	11,710	..	2,183
	2010	102,774	..	8,661	15,940	..	2,272
	2011	98,525	..	8,585	16,310	..	2,036
	2012	83,431	..	8,285	17,104	..	2,006
Suriname	2009	938	..	..	176	..	..
	2010	963	..	..	176	..	..
	2011	963	..	..	176	..	..
	2012	1,028	..	..	176	..	..
Uruguay	2009	20,988	..	839	656	21,472	..
	2010	25,263	..	6,092	751	23,951	..
	2011	26,983	..	6,381	779	25,133	..
	2012	26,190	..	9,808	1,044	24,394	..
Venezuela(Bolivar. Rep.)	2009	14,756	..	..	16,363	..	266
	2010	14,072	..	..	13,846	..	266
	2011	13,420	..	..	14,097	..	236
	2012	12,798	..	..	14,097	..	236
Asia	2009	10,422,457	135,459	4,413,406	1,022,323	164,765	381,444
	2010	10,490,844	136,971	4,602,444	1,092,090	183,521	395,154
	2011	10,497,531	138,757	4,703,410	1,434,523	172,761	387,656
	2012	10,557,988	137,455	4,782,924	1,495,148	175,785	390,442
Afghanistan	2009	14,594	..	..	..	..	3,217
	2010	14,993	..	..	..	..	3,316
	2011	15,118	..	..	..	..	3,410
	2012	15,475	..	..	..	..	3,511
Armenia	2009	13,703	..	..	..	..	..
	2010	15,986	..	..	..	..	..
	2011	18,946	..	..	..	..	..
	2012	18,946	..	..	..	..	..
Azerbaijan	2009	2,755	..	..	..	..	..
	2010	3,416	..	..	..	..	..
	2011	3,672	..	..	..	..	..
	2012	3,700	..	..	..	..	..
Bahrain	2009	59	..	..	..	..	31
	2010	60	..	..	..	..	31
	2011	61	..	..	..	..	32
	2012	62	..	..	..	..	32
Bangladesh	2009	249,927	110,376	210,086	2,014	..	9,467
	2010	249,265	111,574	212,365	2,392	..	9,567
	2011	247,812	112,856	214,806	2,769	..	9,638
	2012	246,378	114,209	217,382	2,392	..	9,708
Bhutan	2009	43,693	..	..	..	..	207
	2010	44,259	..	..	..	..	207
	2011	44,734	..	..	..	..	826
	2012	45,218	..	..	..	..	826
Brunei Darussalam	2009	107	..	..	..	..	9
	2010	107	..	..	..	..	9
	2011	107	..	..	..	..	9
	2012	107	..	..	..	..	9
Cambodia	2009	150,453	..	268	..	..	22,420
	2010	151,245	..	288	..	..	23,158
	2011	158,385	..	288	..	..	25,134
	2012	162,646	..	288	..	..	25,577

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	..	601	..	..	129,053
..	..	783	..	..	130,585
..	..	831	..	..	126,874
..	..	873	..	..	123,917
..	..	0	1,067	0	103,225
..	..	0	0	0	127,375
..	..	0	0	0	123,420
..	..	1,876	699	877	112,272
..	1,115
..	1,139
..	1,139
..	1,204
..	43,955
..	..	281	357	..	56,695
..	..	343	585	..	60,204
..	..	426	662	..	62,524
..	31,119
..	27,918
..	27,517
..	26,895
81,537	127,815	9,643	30,512	14,198	16,422,116
103,166	124,921	9,448	34,985	17,209	16,795,599
132,711	145,788	15,077	42,270	39,631	17,322,458
139,594	144,472	20,030	55,126	40,824	17,549,345
..	14,594
..	14,993
..	15,118
..	15,475
..	13,703
..	15,986
..	18,946
..	18,946
..	2,755
..	3,416
..	3,672
..	3,700
..	59
..	60
..	61
..	62
..	572,403
..	575,595
..	578,244
..	580,361
..	43,693
..	44,259
..	44,734
..	45,218
..	107
..	107
..	107
..	107
..	150,721
..	151,533
..	158,673
..	162,934

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
China	2009	1,757,485	..	..	323,471	..	51,124
	2010	1,724,899	..	..	265,965	..	50,889
	2011	1,693,905	..	..	262,953	..	50,607
	2012	1,663,483	..	..	299,316	..	50,328
China, Macao SAR	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..
Cyprus	2009	179	..	116	..	..	30
	2010	143	..	82	..	..	30
	2011	181	..	30	..	..	30
	2012	145	..	76	..	..	30
Georgia	2009	15,994	..	..	..	..	..
	2010	15,031	..	..	..	..	..
	2011	13,188	..	..	..	..	..
	2012	12,840	..	..	..	..	..
India	2009	3,728,830	..	3,391,923	399,124	..	84,960
	2010	3,777,353	..	3,464,883	524,763	..	84,960
	2011	3,826,013	..	3,540,340	706,534	..	84,960
	2012	3,874,672	..	3,614,237	734,928	..	84,960
Indonesia	2009	1,759,767	..	452,445	..	..	19,411
	2010	1,725,305	..	458,711	..	..	17,759
	2011	1,783,438	..	464,871	..	..	19,854
	2012	1,778,872	..	470,909	..	..	19,913
Iran(Islamic Rep. of)	2009	45,675	1,175	6,250	..	..	56
	2010	45,675	1,175	6,250	..	..	35
	2011	45,675	1,175	7,500	..	..	24
	2012	73,994	1,175	7,500	..	..	32
Iraq	2009	1,100	..	..	..	..	443
	2010	1,100	..	..	..	..	443
	2011	1,100	..	..	..	..	443
	2012	1,100	..	..	..	..	443
Israel	2009	*631	..	..	..	..	..
	2010	*550	..	..	..	..	..
	2011	*594	..	..	..	..	..
	2012	*594	..	..	..	..	..
Japan	2009	35,765	..	0	4,108	164,626	443
	2010	39,489	..	110,429	4,154	182,801	413
	2011	39,926	..	116,418	15,104	172,134	354
	2012	39,997	..	123,305	3,521	165,523	354
Jordan	2009	2,686	..	..	..	..	1,151
	2010	2,759	..	..	..	..	1,180
	2011	2,832	..	..	..	..	1,215
	2012	2,905	..	..	..	..	1,248
Kazakhstan	2009	2,220	..	..	..	..	14
	2010	2,485	..	..	..	..	14
	2011	2,485	..	..	..	..	14
	2012	2,229	..	..	..	..	14
Korea, Dem.Ppl's.Rep.	2009	44,402	..	..	..	..	..
	2010	44,600	..	..	..	..	..
	2011	44,792	..	..	..	..	..
	2012	45,029	..	..	..	..	..
Korea, Republic of	2009	11,526	..	973	..	..	..
	2010	8,034	..	5,758	..	..	..
	2011	7,050	..	10,196	..	..	..
	2012	21,178	..	718	..	9,560	..

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	..	..	..	..	2,080,957
..	..	..	..	..	1,990,863
..	..	..	..	..	1,956,858
..	..	..	..	..	1,962,799
..	*1,670	..	..	..	*1,670
..	*1,915	..	..	..	*1,915
..	*1,541	..	..	..	*1,541
..	*1,627	..	..	..	*1,627
276	..	..	258	209	1,038
299	..	..	221	274	1,019
4	..	..	221	448	884
0	..	..	258	476	955
..	..	..	..	3	15,997
..	..	..	..	3	15,034
..	..	..	..	3	13,191
..	..	..	..	3	12,843
..	..	..	..	..	7,519,877
..	..	..	..	..	7,766,999
..	..	..	..	..	8,072,887
..	..	..	..	..	8,223,837
..	..	..	..	..	2,212,212
..	..	..	..	..	2,184,016
..	..	..	..	..	2,248,309
..	..	..	..	..	2,249,781
..	..	..	..	127	53,227
..	..	..	..	127	53,227
..	..	..	..	127	54,477
..	..	..	..	127	82,796
..	..	..	..	..	1,100
..	..	..	..	..	1,100
..	..	..	..	..	1,100
..	..	..	..	..	1,100
..	115	..	..	131	*877
..	110	..	..	237	*897
..	93	..	..	298	*985
..	479	..	..	298	1,371
12,662	54,159	..	..	..	271,320
26,398	44,873	..	..	..	408,144
47,112	48,045	..	..	..	438,739
49,947	48,005	..	..	..	430,298
..	..	..	..	84	2,770
..	..	..	..	108	2,867
..	..	..	..	96	2,928
..	..	..	..	72	2,977
..	..	..	..	..	2,220
..	..	..	..	..	2,485
..	..	..	..	..	2,485
..	..	..	..	..	2,229
..	..	..	..	..	44,402
..	..	..	..	..	44,600
..	..	..	..	..	44,792
..	..	..	..	..	45,029
67,543	30,102	..	8,611	7,510	126,265
74,973	34,000	..	12,107	8,316	143,188
84,096	39,262	..	11,408	9,019	161,031
88,080	37,499	..	12,218	9,358	178,611

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Kuwait	2009	165	..	..	..	..	81
	2010	168	..	..	..	..	82
	2011	171	..	..	..	..	84
	2012	173	..	..	..	..	85
Kyrgyzstan	2009	142	..	..	..	..	..
	2010	130	..	..	..	..	..
	2011	131	..	..	..	..	..
	2012	131	..	..	..	..	..
Lao People's Dem. Rep.	2009	54,316	..	..	..	..	610
	2010	54,335	..	..	..	..	624
	2011	54,215	..	..	..	..	636
	2012	54,101	..	..	..	..	649
Lebanon	2009	5,024	..	..	..	..	89
	2010	5,015	..	..	..	..	325
	2011	5,006	..	..	..	..	325
	2012	4,997	..	..	..	..	325
Malaysia	2009	26,109	..	16,762	755	..	844
	2010	25,674	..	14,400	629	..	850
	2011	25,213	..	15,033	629	..	853
	2012	24,768	..	11,405	629	..	856
Maldives	2009	139	..	..	..	..	22
	2010	141	..	..	..	..	23
	2011	142	..	..	..	..	23
	2012	144	..	..	..	..	24
Mongolia	2009	7,326	..	..	..	..	..
	2010	8,313	..	..	..	..	..
	2011	*8,450	..	..	..	..	..
	2012	*9,327	..	..	..	..	..
Myanmar	2009	412,817	..	25,019	2,170	..	779
	2010	415,956	..	25,209	2,000	..	784
	2011	419,199	..	25,406	*2,386	..	797
	2012	423,402	..	25,774	*2,355	..	826
Nepal	2009	114,690	23,277	14,851	3,274	..	2,242
	2010	114,425	23,572	13,883	3,274	..	2,301
	2011	113,859	24,066	15,458	3,521	..	2,331
	2012	113,301	21,402	14,811	3,521	..	2,390
Oman	2009	344	..	..	..	..	165
	2010	356	..	..	..	..	171
	2011	367	..	..	..	..	177
	2012	378	..	..	..	..	182
Other Asia	2009	9,231	..	..	..	..	..
	2010	10,794	..	..	..	..	..
	2011	13,179	..	..	..	..	..
	2012	10,497	..	..	..	..	..
Pakistan	2009	270,944	..	*155,000	87,857	..	2,077
	2010	270,944	..	*157,950	96,920	..	2,133
	2011	270,944	..	*160,697	118,442	..	2,186
	2012	270,944	..	*163,428	129,268	..	2,242
Philippines	2009	121,981	461	24,276	15,099	..	34,671
	2010	118,832	480	24,311	15,883	..	35,017
	2011	115,808	489	24,038	17,015	..	35,371
	2012	112,884	499	23,758	18,372	..	35,725
Qatar	2009	45	..	..	..	..	22
	2010	46	..	..	..	..	22
	2011	46	..	..	..	..	22
	2012	46	..	..	..	..	23

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	165
..	168
..	171
..	173
..	142
..	130
..	131
..	131
..	54,316
..	54,335
..	54,215
..	54,101
..	5,024
..	5,015
..	5,006
..	4,997
..	43,626
..	40,703
..	6,366	..	47,241
..	9,163	..	45,965
..	139
..	141
..	142
..	144
..	7,326
..	8,313
..	*8,450
..	*9,327
..	440,006
..	443,165
..	446,991
..	451,531
..	2,640	158,732
..	2,687	157,841
..	1,929	158,833
..	*1,929	154,965
..	344
..	356
..	367
..	378
..	41,602	27	..	..	50,860
..	43,848	27	..	..	54,669
..	56,314	3,904	..	165	73,562
..	56,412	4,481	..	144	71,534
..	513,802
..	525,814
..	550,083
..	563,640
..	167	852	4,420	..	167,257
..	175	362	3,999	..	164,042
..	533	105	4,035	..	162,022
..	450	1,426	4,453	..	161,840
..	45
..	46
..	46
..	46

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Singapore	2009	..	..	..	..	..	159
	2010	..	..	..	..	..	156
	2011	..	..	..	..	..	156
	2012	..	..	..	..	..	156
Sri Lanka	2009	157,060	..	..	1,089	..	0
	2010	162,657	..	..	1,066	..	0
	2011	162,788	..	..	842	..	0
	2012	159,638	..	..	1,004	..	0
State of Palestine	2009	2,475	..	..	..	139	..
	2010	3,332	..	..	..	720	..
	2011	3,089	..	..	..	627	..
	2012	2,762	..	..	..	702	..
Syrian Arab Republic	2009	270	..	..	..	..	30
	2010	276	..	..	..	..	30
	2011	282	..	..	..	..	30
	2012	287	..	..	..	..	30
Thailand	2009	588,130	170	71,100	156,859	..	127,676
	2010	669,203	170	63,650	151,755	..	141,394
	2011	*624,240	*170	*62,637	275,470	..	128,650
	2012	*627,558	*170	*62,637	261,053	..	130,243
Timor-Leste	2009	1,145	..	..	..	..	..
	2010	1,097	..	..	..	..	..
	2011	1,052	..	..	..	..	..
	2012	1,009	..	..	..	..	..
Turkey	2009	147,782	..	44,337	..	..	..
	2010	142,014	..	44,275	..	..	..
	2011	102,418	..	45,692	..	..	..
	2012	98,396	..	46,696	..	..	..
Turkmenistan	2009	91	..	..	..	..	..
	2010	91	..	..	..	..	..
	2011	91	..	..	..	..	..
	2012	91	..	..	..	..	..
Uzbekistan	2009	201	..	..	..	..	..
	2010	201	..	..	..	..	..
	2011	210	..	..	..	..	..
	2012	238	..	..	..	..	..
Viet Nam	2009	616,373	..	..	26,502	..	17,022
	2010	615,885	..	..	23,290	..	17,199
	2011	622,311	..	..	28,857	..	17,376
	2012	628,942	..	..	38,788	..	17,553
Yemen	2009	4,108	..	..	..	..	1,977
	2010	4,206	..	..	..	..	2,036
	2011	4,306	..	..	..	..	2,095
	2012	4,407	..	..	..	..	2,154
Europe	2009	2,744,812	1,882	278,956	0	409,331	17,511
	2010	2,980,946	1,726	333,940	0	497,969	11,431
	2011	2,913,249	3,643	334,432	107,318	482,389	11,441
	2012	3,133,460	3,800	309,122	105,152	486,123	11,130
Albania	2009	8,788	..	..	..	..	..
	2010	8,578	..	..	..	..	..
	2011	8,706	..	..	..	..	..
	2012	8,642	..	..	..	..	..
Andorra	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..
..
..
..
..	158,149
..	163,723
..	163,629
..	160,642
..	2,614
..	4,051
..	3,716
..	3,463
..	270
..	276
..	282
..	287
..	..	8,522	17,186	1,526	843,493
..	..	9,058	18,400	2,611	914,847
..	..	10,854	19,798	24,509	*1,017,679
..	..	13,909	28,373	23,030	*1,016,730
..	1,145
..	1,097
..	1,052
..	1,009
1,056	..	241	37	1,968	195,421
1,496	..	0	258	2,846	190,889
1,499	..	214	442	3,037	153,302
1,567	..	214	662	5,387	152,923
..	91
..	91
..	91
..	91
..	201
..	201
..	210
..	238
..	642,875
..	639,175
..	651,168
..	667,730
..	4,108
..	4,206
..	4,306
..	4,407
305,242	668,160	111,031	329,492	314,133	5,163,038
336,631	704,690	114,653	367,816	361,387	5,699,758
438,424	737,704	86,987	354,440	439,001	5,897,587
427,038	761,608	100,066	379,551	510,957	6,216,877
..	8,788
..	8,578
..	8,706
..	8,642
..	*224	..	..	..	*224
..	*218	..	..	..	*218
..	*211	..	..	..	*211
..	*211	..	..	..	*211

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Austria	2009	134,932	..	24,927	..	24,927	30
	2010	158,380	..	28,077	..	28,077	30
	2011	151,533	..	28,512	..	28,152	30
	2012	160,375	..	30,388	..	30,388	30
Belarus	2009	52,336	..	2,923	..	..	118
	2010	55,446	..	4,550	..	..	118
	2011	60,145	..	3,240	..	..	118
	2012	61,644	..	3,256	..	..	118
Belgium	2009	19,172	..	12,971	..	1,468	..
	2010	22,961	..	15,270	..	1,633	..
	2011	35,654	..	9,123	..	1,470	..
	2012	51,678	263	5,445	..	1,400	..
Bosnia and Herzegovina	2009	6,148	..	..	..	..	590
	2010	6,385	..	..	..	..	502
	2011	6,614	..	..	..	..	561
	2012	6,458	..	..	..	..	561
Bulgaria	2009	31,664	..	394	..	783	472
	2010	34,559	..	366	..	4,534	502
	2011	37,269	..	234	..	5,653	472
	2012	41,388	..	772	..	4,265	118
Croatia	2009	17,900	..	13	..	..	207
	2010	19,812	..	1	..	..	118
	2011	26,709	..	34	..	..	118
	2012	29,017	..	21	..	..	148
Czech Republic	2009	66,935	..	3,595	..	11,856	..
	2010	70,415	..	25,986	..	12,577	..
	2011	69,603	..	27,287	..	12,395	..
	2012	72,181	..	..	..	12,749	..
Denmark	2009	42,220	..	18,982	..	..	..
	2010	46,037	..	25,272	..	..	..
	2011	42,527	..	20,220	..	..	..
	2012	43,877	..	18,449	..	..	..
Estonia	2009	27,575	..	6,498	..	1,204	..
	2010	31,437	..	7,232	..	1,427	..
	2011	29,553	..	8,701	..	1,059	..
	2012	32,115	..	9,220	..	1,056	..
Finland	2009	156,280	..	1,261	..	110,157	..
	2010	187,123	..	1,310	..	135,682	..
	2011	182,333	..	1,037	..	135,109	..
	2012	194,838	..	692	..	135,768	..
France	2009	340,205	0	15,685	0	34,133	*1,609
	2010	380,397	0	14,365	0	37,612	*1,505
	2011	319,631	87	12,345	73	40,280	*1,475
	2012	361,385	97	12,421	0	33,189	*1,475
Germany	2009	370,551	..	..	..	31,619	59
	2010	459,324	..	..	..	33,135	59
	2011	427,510	..	..	..	35,311	59
	2012	456,372	..	..	..	38,126	59
Greece	2009	*23,606	..	9,839	..	..	30
	2010	*20,568	..	9,783	..	..	30
	2011	28,014	..	11,330	..	..	59
	2012	32,894	..	8,985	..	..	30
Hungary	2009	46,805	..	14,399	..	396	30
	2010	49,986	..	13,478	..	351	3
	2011	46,022	..	13,525	..	299	0
	2012	44,060	106	13,525	..	290	0

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
18,901	13,544	3,181	9,862	6,445	236,719
18,892	14,111	2,609	10,194	6,447	266,786
20,455	15,459	2,173	8,795	7,080	262,159
19,030	15,555	2,975	6,992	8,688	274,391
10,072	..	..	846	62	66,239
9,049	..	..	1,398	90	70,533
7,544	..	..	1,141	128	72,198
1,135	..	..	1,214	182	67,431
13,552	26,189	4,349	9,090	5,248	92,038
14,671	30,872	3,406	11,555	5,336	105,704
96,833	38,110	6,753	10,083	5,372	203,398
87,729	29,194	7,389	10,709	6,601	200,408
..	..	..	..	..	6,148
..	..	..	..	..	6,385
..	..	..	..	..	6,614
..	..	..	..	..	6,458
244	244	0	699	14	34,042
352	420	0	699	112	41,042
345	414	0	589	139	44,643
276	871	0	294	5	47,871
373	..	..	221	195	18,702
319	..	..	515	298	20,945
179	..	..	294	290	27,506
341	..	..	1,435	479	31,293
6,559	3,744	2,412	5,704	5,440	106,245
6,699	4,376	2,546	7,286	7,398	137,283
6,912	5,575	1,447	7,728	10,460	141,407
7,046	5,840	2,734	6,366	15,698	122,614
..	39,344	1,206	3,202	4,171	109,124
..	37,796	1,425	2,834	4,362	117,725
..	38,547	575	2,907	4,218	108,995
..	37,495	685	3,054	4,383	107,943
..	..	..	..	105	35,382
..	..	..	..	155	40,251
..	..	..	..	137	39,450
..	..	..	..	122	42,513
1,898	9,762	466	8,059	1,733	289,616
1,784	10,424	438	10,488	1,692	348,941
1,953	10,437	329	7,176	2,221	340,595
2,524	13,256	411	9,163	2,425	359,077
..	95,248	19,189	76,875	12,974	594,309
..	99,518	19,939	73,453	14,805	640,089
..	99,344	17,876	66,939	15,466	572,041
..	105,650	17,554	81,880	17,250	629,426
62,882	176,482	39,795	89,534	147,472	918,336
65,840	195,404	36,591	113,491	177,346	1,081,131
61,520	201,342	23,390	113,418	216,897	1,079,388
59,464	217,346	25,109	100,611	268,633	1,165,662
169	..	..	2,870	2,343	*38,827
1,341	..	..	4,563	2,065	*38,320
1,175	..	..	3,974	3,048	47,541
625	..	..	5,042	3,710	51,256
1,150	3,860	1,742	4,600	1,294	74,246
1,449	4,458	643	5,189	1,516	77,070
2,187	3,484	643	5,226	2,540	73,926
1,804	3,766	6,432	5,299	2,212	77,494

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Iceland	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..
Ireland	2009	5,515	1,882	..	..	..	..
	2010	6,244	1,726	..	..	..	..
	2011	6,240	1,711	..	..	..	..
	2012	6,808	1,372	..	..	..	..
Isle of Man	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..
Italy	2009	115,567	..	..	..	..	3,806
	2010	138,150	..	1,944	..	..	295
	2011	156,252	..	7,615	..	..	295
	2012	168,126	..	8,214	..	..	295
Jersey	2009	..	..	..	..	..	..
	2010	..	..	..	..	..	..
	2011	..	..	..	..	..	..
	2012	..	..	..	..	..	..
Latvia	2009	72,404	..	29	..	..	295
	2010	72,531	..	60	..	..	266
	2011	72,873	..	43	..	..	295
	2012	78,271	..	38	..	..	325
Liechtenstein	2009	*1,609	..	..	..	..	..
	2010	*1,731	..	..	..	..	..
	2011	*1,882	..	..	..	..	..
	2012	*1,965	..	..	..	..	..
Lithuania	2009	41,787	..	184	..	..	0
	2010	41,734	..	228	..	..	30
	2011	40,955	..	212	..	..	30
	2012	41,291	..	242	..	..	30
Luxembourg	2009	1,682	..	238	..	..	..
	2010	1,878	..	306	..	..	..
	2011	1,659	..	275	..	..	..
	2012	1,720	..	269	..	..	..
Malta	2009	26	..	..	..	..	..
	2010	26	..	..	..	..	..
	2011	24	..	..	..	..	..
	2012	34	..	..	..	..	..
Montenegro	2009	9,583	..	..	..	..	..
	2010	9,711	..	..	..	..	..
	2011	6,778	..	..	..	..	..
	2012	6,842	..	..	..	..	..
Netherlands	2009	34,611	..	7,850	..	..	177
	2010	34,921	..	10,440	..	..	177
	2011	30,730	..	10,947	..	..	177
	2012	34,388	..	11,448	..	..	177
Norway	2009	44,085	..	..	..	..	..
	2010	51,643	..	..	..	..	..
	2011	49,272	..	..	..	..	..
	2012	48,183	..	..	..	..	..
Poland	2009	167,214	..	50,088	..	..	..
	2010	180,274	..	65,332	..	..	..
	2011	192,687	..	73,174	..	..	..
	2012	201,106	..	91,456	..	..	..

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	41	..	..	18	59
..	36	..	..	22	58
..	0	..	..	48	48
..	0	..	..	73	73
..	755	..	2,392	2,324	12,868
..	625	..	2,613	2,445	13,653
..	1,039	..	994	2,411	12,395
13	3,680	..	1,030	2,341	15,244
..	*449	..	..	..	*449
..	*407	..	..	..	*407
..	*429	..	..	..	*429
..	*436	..	..	..	*436
2,273	57,442	3,259	29,366	17,863	225,771
6,925	65,178	4,306	29,403	21,250	267,156
12,121	70,588	3,298	21,749	46,218	317,841
11,184	67,560	3,686	10,562	49,352	318,683
..	*238	..	..	..	*238
..	*238	..	..	..	*238
..	679	..	..	..	679
..	*686	..	..	..	*686
26	62	375	1,656	408	74,960
105	334	402	1,582	558	75,572
84	69	54	2,208	920	76,251
84	51	54	3,312	2,175	83,985
..	156	..	..	..	*1,765
..	328	..	..	..	*2,059
..	315	..	..	..	*2,196
..	328	..	..	..	*2,293
..	..	643	3,864	195	46,673
..	..	965	3,275	418	46,620
..	..	482	2,944	463	45,056
..	..	563	3,938	484	46,517
415	1,224	..	..	467	4,026
597	1,113	..	..	490	4,384
576	1,225	..	..	511	4,246
603	1,187	..	..	658	4,437
..	0	..	0	0	26
..	22	..	37	0	85
..	16	..	37	25	102
..	72	..	110	21	237
..	..	..	..	..	9,583
..	..	..	..	..	9,711
..	..	..	..	..	6,778
..	..	..	..	..	6,842
..	63,609	1,534	10,083	11,215	128,903
..	64,543	822	14,058	12,286	137,070
..	67,940	110	18,069	12,263	140,058
..	63,527	0	43,314	12,454	165,131
693	9,682	..	..	1,037	55,497
1,119	11,814	..	..	1,243	65,819
3,841	14,299	..	3,349	1,235	71,996
1,024	15,078	..	2,613	1,187	68,085
18,791	4,816	3,431	13,395	4,104	261,839
19,983	5,002	4,100	13,984	4,797	293,472
20,410	6,793	3,699	13,358	5,732	315,853
21,074	5,672	4,636	22,264	7,033	353,241

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Portugal	2009	53,715	..	34,905	..	30,969	574
	2010	39,751	..	31,597	..	36,765	572
	2011	40,674	..	32,142	..	36,761	614
	2012	45,636	..	13,827	..	38,563	572
Republic of Moldova	2009	2,585	..	751	..	..	0
	2010	2,110	..	755	..	..	0
	2011	2,667	..	858	..	..	0
	2012	3,435	..	455	..	..	0
Romania	2009	160,705	..	..	..	..	401
	2010	163,287	..	..	..	..	266
	2011	145,527	..	..	..	..	472
	2012	158,895	..	..	..	..	528
Russian Federation	2009	122,953	..	..	..	..	2,242
	2010	123,275	..	..	..	..	2,242
	2011	126,651	..	..	..	..	1,505
	2012	144,541	..	..	..	..	1,564
Serbia	2009	44,274	..	..	..	..	..
	2010	43,375	..	..	..	..	..
	2011	44,461	..	1,238	..	..	236
	2012	43,710	..	*1,238	..	..	266
Slovakia	2009	12,091	..	3,060	..	11,943	2,360
	2010	13,976	..	4,275	..	12,748	89
	2011	14,255	..	3,842	..	14,714	118
	2012	17,202	..	861	..	15,465	118
Slovenia	2009	22,132	..	325	..	..	..
	2010	21,880	..	345	..	..	..
	2011	23,350	..	328	..	..	..
	2012	23,155	..	290	..	..	..
Spain	2009	134,427	..	39,622	..	17,699	1,062
	2010	129,321	..	43,531	..	16,980	1,062
	2011	138,321	1,845	29,783	107,245	17,881	1,062
	2012	138,199	1,809	32,728	105,152	20,375	1,062
Sweden	2009	228,755	0	..	..	132,177	..
	2010	221,283	0	..	..	176,448	..
	2011	220,726	0	..	..	153,305	..
	2012	244,757	153	..	..	154,489	..
Switzerland	2009	36,660	..	..	..	..	..
	2010	39,340	..	..	..	..	..
	2011	34,970	..	..	..	..	..
	2012	39,200	..	..	..	..	..
T.F.Yug.Rep. Macedonia	2009	7,023	..	..	..	..	..
	2010	6,833	..	..	..	..	..
	2011	6,527	..	..	..	..	..
	2012	5,959	..	..	..	..	..
Ukraine	2009	56,509	..	..	..	..	3,452
	2010	59,441	..	..	..	..	3,570
	2011	54,381	..	..	..	..	3,747
	2012	52,234	..	..	..	..	3,658
United Kingdom	2009	23,783	..	30,417	..	..	..
	2010	26,822	..	29,437	..	..	..
	2011	29,564	..	38,387	..	..	..
	2012	30,879	..	44,882	..	..	..
Oceania	2009	163,519	..	80,454	118,824	6,200	1,044
	2010	167,745	..	79,410	96,404	6,112	1,020
	2011	164,657	..	75,543	100,405	5,783	1,037
	2012	197,648	..	104,152	102,616	7,444	1,039

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
1,702	8,293	110	9,237	996	139,926
2,611	8,030	137	11,666	1,287	131,844
3,390	8,245	137	13,469	1,883	136,701
6,347	7,197	137	11,187	2,362	125,256
437	..	..	..	..	3,773
197	..	..	..	..	3,062
180	..	..	..	..	3,705
374	..	27	..	..	4,291
884	..	1,751	3,018	45	166,403
1,276	..	1,474	442	129	166,608
1,200	..	1,447	3,938	547	152,659
1,131	4	1,769	3,717	1,143	166,659
145,474	..	..	..	..	268,427
167,991	..	..	..	..	291,266
170,277	..	..	..	..	296,928
177,809	..	..	..	..	322,350
93	..	..	..	..	44,367
388	..	..	..	..	43,763
288	..	..	..	..	45,987
50	..	..	..	39	45,037
1,103	1,852	2,492	3,790	679	37,011
731	1,613	2,600	4,158	600	40,701
750	1,416	2,814	4,600	1,918	44,309
1,175	1,407	2,734	4,048	2,594	45,486
828	..	..	258	937	24,480
975	..	..	699	1,273	25,172
1,228	..	..	0	1,506	26,412
1,333	..	..	37	1,597	26,412
..	26,728	9,836	26,754	8,107	263,172
..	14,586	11,256	30,949	11,600	258,223
..	16,332	9,862	24,987	11,520	357,776
..	14,710	8,120	18,253	12,177	351,523
846	45,047	13,652	6,661	4,572	431,709
868	51,800	15,045	7,286	4,654	477,384
1,583	49,786	11,281	9,568	4,993	451,242
1,283	53,698	11,809	13,763	5,303	485,255
9,480	43,430	0	221	2,841	92,632
10,030	44,610	0	258	3,143	97,381
10,080	45,410	0	221	3,421	94,102
10,260	46,060	0	258	3,745	99,523
..	..	..	21	..	7,044
..	..	..	74	..	6,907
..	..	..	166	..	6,694
..	..	..	33	..	5,992
..	..	..	..	..	56,509
..	..	..	..	..	59,441
..	..	..	..	..	54,381
..	..	..	..	..	52,234
6,397	35,695	1,608	7,213	70,829	175,942
2,439	36,814	5,950	5,667	73,570	180,699
13,313	40,201	616	6,514	75,391	203,986
13,320	51,071	3,243	9,053	75,831	228,279
3,778	..	7,050	2,944	15,621	398,390
4,099	..	9,489	2,355	15,703	381,317
4,193	..	11,017	3,275	16,478	381,351
4,029	..	10,909	2,870	20,220	449,888

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Country or area	Year	Solid biofuels					Charcoal
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	
Australia	2009	68,143	..	73,152	113,855	6,200	708
	2010	67,168	..	72,106	91,484	6,112	679
	2011	63,562	..	68,235	94,634	5,783	679
	2012	96,844	..	96,844	97,391	7,444	679
Fiji	2009	338	..	..	4,027	..	68
	2010	338	..	..	3,850	..	71
	2011	338	..	..	4,701	..	71
	2012	338	..	..	4,028	..	71
French Polynesia	2009	40	..	..	..	..	..
	2010	40	..	..	..	..	..
	2011	41	..	..	..	..	15
	2012	41	..	..	..	..	15
Kiribati	2009	26	..	..	..	..	10
	2010	27	..	..	..	..	10
	2011	27	..	..	..	..	10
	2012	28	..	..	..	..	11
Micronesia(Fed. States of)	2009	22	..	..	..	..	10
	2010	22	..	..	..	..	10
	2011	23	..	..	..	..	10
	2012	23	..	..	..	..	10
New Zealand	2009	41,754	..	..	..	..	..
	2010	46,941	..	..	..	..	..
	2011	47,450	..	..	..	..	..
	2012	47,149	..	..	..	..	..
Papua New Guinea	2009	50,544	..	*5,263	880	..	177
	2010	50,544	..	*5,263	1,007	..	177
	2011	50,544	..	*5,263	1,007	..	177
	2012	50,544	..	*5,263	1,133	..	177
Samoa	2009	639	..	*25	62	..	13
	2010	639	..	*25	63	..	13
	2011	639	..	25	*63	..	14
	2012	639	..	*25	*64	..	14
Solomon Islands	2009	1,161	..	*2,015	..	..	36
	2010	1,174	..	*2,017	..	..	37
	2011	1,182	..	*2,020	..	..	38
	2012	1,191	..	*2,020	..	..	39
Tonga	2009	19	..	..	..	..	7
	2010	19	..	..	..	..	7
	2011	19	..	..	..	..	7
	2012	19	..	..	..	..	7
Vanuatu	2009	831	..	..	..	..	15
	2010	831	..	..	..	..	15
	2011	831	..	..	..	..	16
	2012	831	..	..	..	..	16

Table 12

Production of biofuels and wastes

Terajoules (TJ)

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
3,778	..	6,914	2,907	12,870	287,819
4,099	..	9,326	2,318	12,915	265,529
4,193	..	10,827	3,202	13,506	263,942
4,029	..	10,720	2,834	17,192	333,298
..	4,365
..	4,188
..	5,039
..	4,366
..	40
..	40
..	41
..	41
..	26
..	27
..	27
..	28
..	22
..	22
..	23
..	23
..	..	54	37	2,751	44,595
..	..	80	37	2,788	49,846
..	..	107	74	2,972	50,603
..	..	107	37	3,028	50,321
..	56,687
..	56,813
..	56,813
..	56,939
..	726
..	727
..	727
..	729
..	*3,176
..	*3,190
..	*3,202
..	*3,211
..	19
..	19
..	19
..	19
..	..	*82	..	..	913
..	..	*82	..	..	913
..	..	*82	..	..	913
..	..	*82	..	..	913

Table 13

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves production ratio (R/P) in years

Table Notes

The reserves to production ratio refers to crude oil and natural gas liquids.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/classification.

Data on reserves were taken from the Survey of Energy Resources, World Energy Council.

Figure 36: Conventional crude oil production by region, 1990-2012

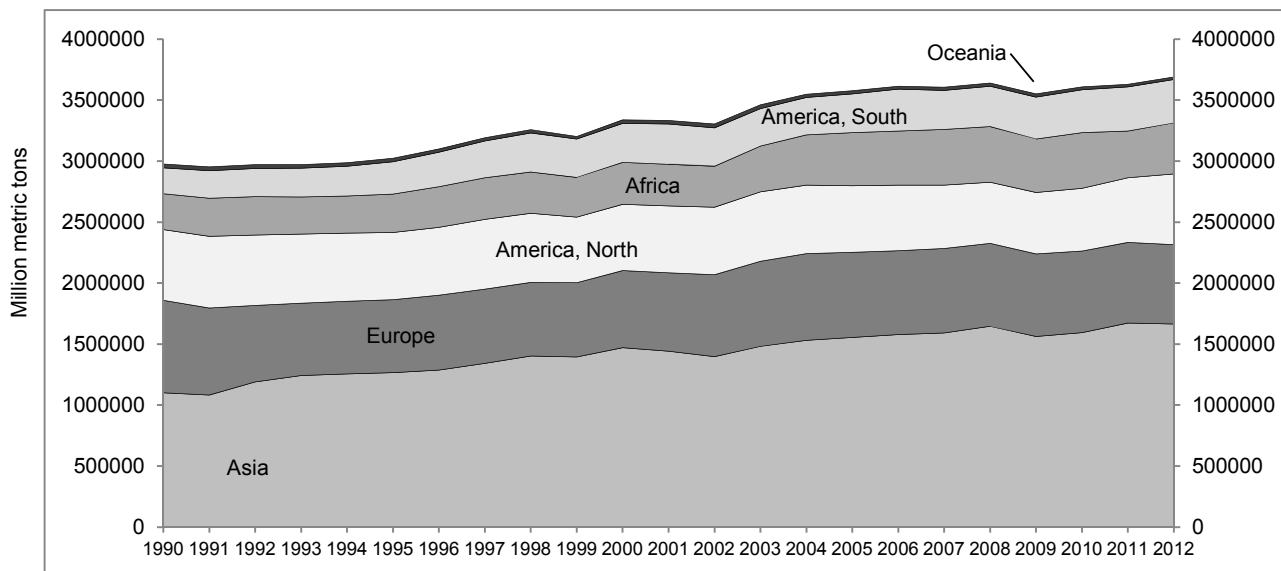


Figure 37: Conventional crude oil exports by region, 1990-2012

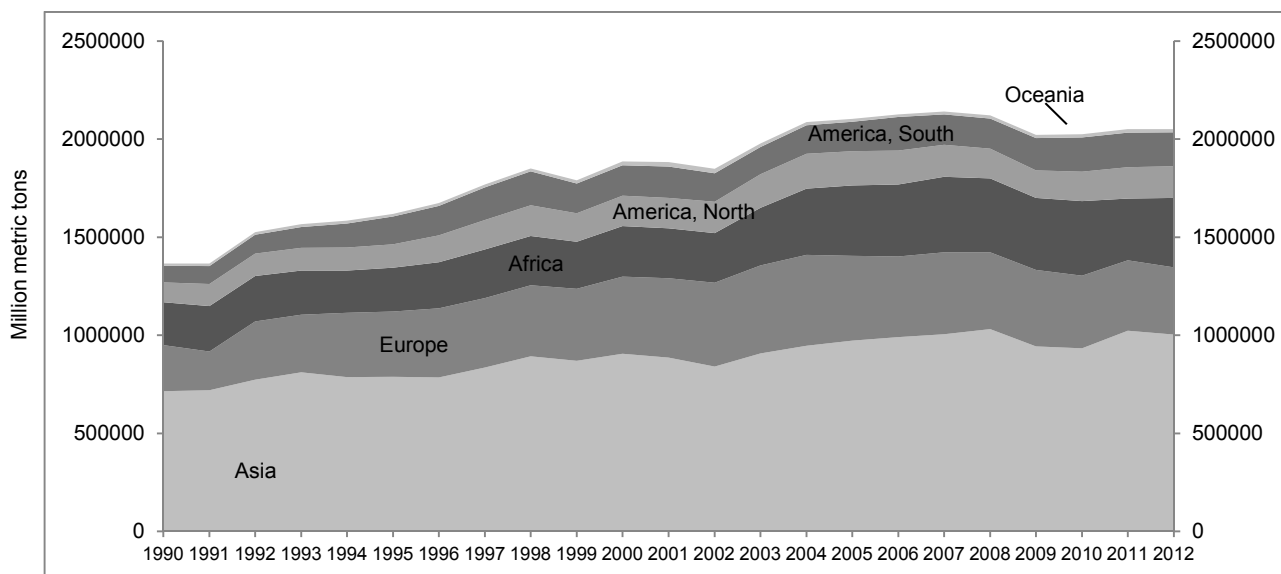


Figure 38: Production, trade and supply of conventional crude oil by region, 2012

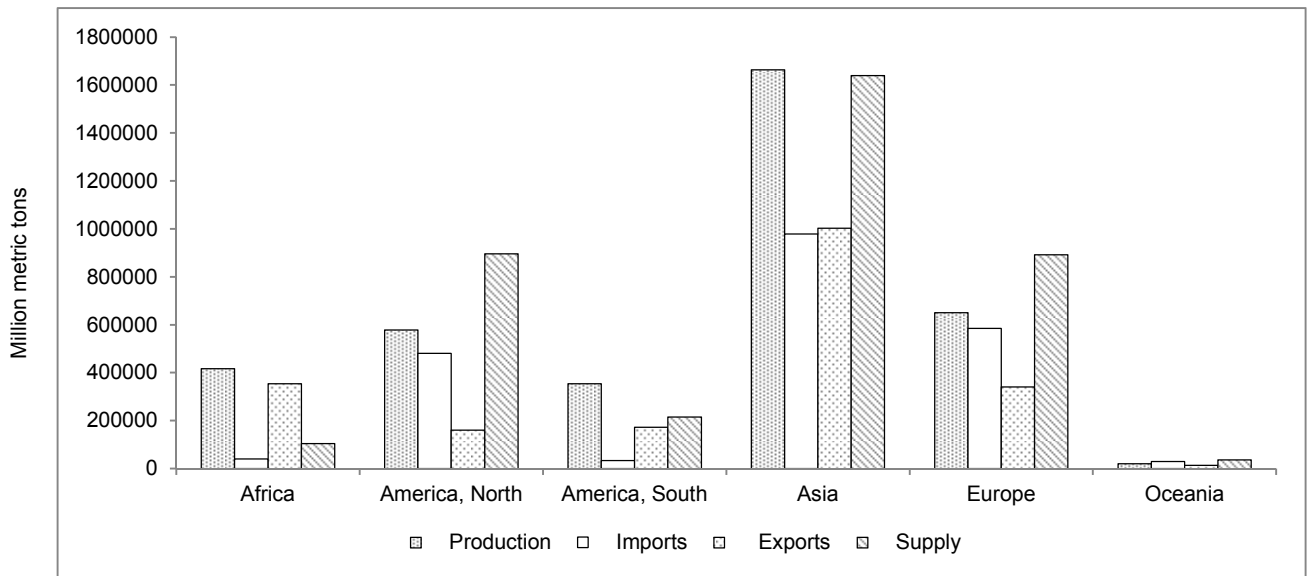


Figure 39: Major crude oil producing countries in 2012

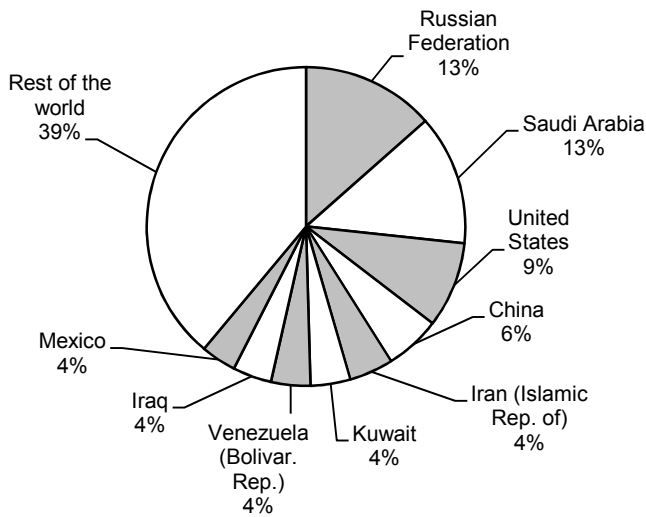


Figure 40: Major crude oil consuming countries in 2012

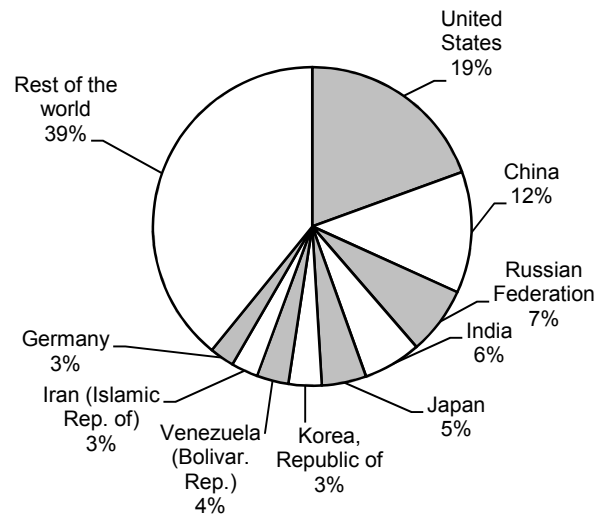


Table 13

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per Capita
World	2009	3,550,671	43	2,103,979	2,021,529	7,532	3,625,589	531
	2010	3,607,348	43	2,144,354	2,024,353	5,889	3,721,460	538
	2011	3,629,410	46	2,134,309	2,050,290	4,337	3,709,093	530
	2012	3,689,576	45	2,146,206	2,050,095	-2,877	3,788,564	535
Africa	2009	440,016	36	42,137	368,425	-514	114,241	114
	2010	454,984	35	37,366	380,862	-1,538	113,026	110
	2011	385,363	44	37,248	315,251	5,003	102,357	97
	2012	417,536	41	39,997	354,382	-2,128	105,278	97
Algeria	2009	57,112	35	366	34,731	11	22,736	625
	2010	55,694	37	320	32,974	42	22,998	621
	2011	54,538	44	206	32,424	229	22,091	585
	2012	51,063	47	295	31,881	-398	19,875	516
Angola	2009	90,448	14	..	88,622	-25	1,851	98
	2010	87,880	14	..	85,997	0	1,883	96
	2011	80,900	16	..	78,947	0	1,953	97
	2012	85,433	15	..	83,511	0	1,922	92
Cameroon	2009	3,757	45	1,420	3,237	-174	2,114	105
	2010	3,304	51	1,711	2,821	-128	2,322	113
	2011	2,995	56	1,561	2,557	0	1,999	94
	2012	2,496	67	1,598	2,131	0	1,963	90
Chad	2009	5,959	37	..	5,871	..	88	8
	2010	6,111	36	..	6,023	..	87	7
	2011	5,734	36	..	5,644	..	90	7
	2012	5,211	39	..	5,119	..	92	7
Congo	2009	13,829	19	..	13,446	-325	708	177
	2010	15,788	17	..	14,984	148	656	160
	2011	14,995	14	..	13,586	823	586	139
	2012	13,882	15	..	12,956	77	849	196
Côte d'Ivoire	2009	2,277	7	2,982	2,164	0	3,095	166
	2010	1,972	8	2,973	1,921	119	2,905	153
	2011	1,678	8	2,313	1,623	-1	2,369	122
	2012	1,459	10	3,413	1,433	0	3,439	173
Dem. Rep. of the Congo	2009	1,108	23	..	1,109	-4	3	0
	2010	1,108	23	..	1,109	-1	0	0
	2011	1,172	21	..	1,227	-55	0	0
	2012	1,213	21	..	1,213	0	0	0
Egypt	2009	27,600	16	2,521	5,437	..	24,684	322
	2010	28,280	16	2,437	6,824	..	23,893	306
	2011	27,634	18	2,429	4,678	..	25,385	320
	2012	32,936	17	2,919	9,530	..	26,325	326
Equatorial Guinea	2009	15,406	11	..	15,406	..	0	0
	2010	13,629	14	..	*13,629	..	0	0
	2011	*13,885	10	..	*13,885	..	0	0
	2012	*14,434	10	..	*14,434	..	0	0
Gabon	2009	12,035	42	..	10,586	573	876	577
	2010	12,734	40	..	12,156	-360	938	603
	2011	12,684	40	..	11,750	0	934	586
	2012	12,235	41	..	11,334	0	901	552
Ghana	2009	25	806	983	0	..	1,008	43
	2010	195	103	1,603	0	..	1,798	74
	2011	3,405	6	1,532	3,887	..	1,049	42
	2012	4,134	5	1,210	4,202	..	1,141	45

Table 13

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per Capita
Kenya	2009	..	..	1,628	..	-153	1,781	45
	2010	..	..	1,552	..	46	1,506	37
	2011	..	..	1,772	..	-24	1,796	43
	2012	..	..	997	..	1	996	23
Libya	2009	78,166	68	..	63,087	..	15,079	2,528
	2010	81,266	65	..	64,789	..	16,477	2,728
	2011	23,562	253	..	14,420	3,608	5,534	907
	2012	70,013	86	..	61,807	..	8,206	1,333
Mauritania	2009	561	25	..	267	*294	0	0
	2010	414	34	..	494	*-80	0	0
	2011	386	36	..	131	*255	0	0
	2012	330	42	..	354	*-24	0	0
Morocco	2009	8	50	4,786	..	151	4,643	148
	2010	9	44	5,631	..	-428	6,068	192
	2011	8	6	4,987	..	205	4,790	149
	2012	7	5	5,668	..	40	5,635	173
Mozambique	2009	27	..	..	27	..	0	0
	2010	30	..	..	30	..	0	0
	2011	31	..	..	31	..	0	0
	2012	35	..	..	35	..	0	0
Niger	2009	..	..	..	..	..	..	..
	2010	..	..	..	..	0	0	0
	2011	92	..	..	..	11	80	5
	2012	626	..	..	..	15	611	36
Nigeria	2009	104,046	44	..	102,559	-989	2,476	16
	2010	119,472	38	..	115,294	-757	4,935	31
	2011	115,499	40	..	109,611	0	5,888	36
	2012	113,704	40	..	110,770	-1,792	4,726	28
Senegal	2009	..	..	655	..	89	566	45
	2010	..	..	657	..	-68	725	56
	2011	..	..	738	..	-66	804	60
	2012	..	..	756	..	-22	778	57
South Africa	2009	..	14	25,040	15	..	25,025	492
	2010	298	5	19,673	0	..	19,971	388
	2011	298	5	20,725	0	..	21,023	405
	2012	53	13	21,318	0	..	21,371	408
Sudan	2009	23,738	38	..	18,535	..	5,203	117
	2010	23,104	39	..	18,115	..	4,989	109
	2011	22,632	30	..	18,145	..	4,487	96
	2012	5,079	134	..	1,071	..	4,008	83
Tunisia	2009	3,914	17	1,169	3,326	38	1,719	164
	2010	3,697	18	184	3,702	-71	250	24
	2011	3,236	16	317	2,705	18	830	77
	2012	3,193	16	1,106	2,601	-25	1,723	158
Zambia	2009	..	..	587	..	..	587	46
	2010	..	..	625	..	..	625	47
	2011	..	..	668	..	..	668	49
	2012	..	..	717	..	..	717	51
America, North	2009	503,657	12	553,112	140,328	2,938	913,503	1,682
	2010	514,651	10	553,020	150,001	1,611	916,059	1,670
	2011	528,175	10	534,466	159,591	-5,689	908,739	1,640
	2012	579,785	9	480,839	161,172	2,984	896,468	1,601

Table 13

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per Capita
Aruba	2009	*123	..	*10,438	..	..	*10,561	*104,133
	2010	*120	..	*10,452	..	..	*10,572	*104,058
	2011	*100	..	*10,450	..	..	*10,550	*103,500
	2012	*80	..	*2,500	..	..	*2,580	*25,199
Barbados	2009	38	9	..	37	1	0	0
	2010	42	11	..	42	0	0	0
	2011	40	14	..	40	0	0	0
	2012	37	15	..	38	-1	0	0
Belize	2009	199	5	..	199	..	0	0
	2010	220	5	..	207	..	13	42
	2011	*250	4	..	*241	..	*10	*30
	2012	*138	7	..	*120	..	*18	*56
Canada	2009	94,820	19	39,559	69,575	73	64,731	1,918
	2010	101,680	9	37,841	73,195	1,147	65,179	1,910
	2011	108,146	5	33,246	84,116	-800	58,076	1,684
	2012	118,619	5	35,353	89,357	-159	64,774	1,859
Costa Rica	2009	..	..	402	..	16	386	84
	2010	..	..	501	..	-7	508	109
	2011	..	..	176	..	24	152	32
	2012	..	..	0	64	-59	-5	-1
Cuba	2009	2,731	7	5,536	..	..	8,267	732
	2010	3,025	6	5,049	..	..	8,074	716
	2011	3,012	6	4,917	..	..	7,929	703
	2012	2,999	6	4,976	..	..	7,975	708
Dominican Republic	2009	..	..	1,295	..	7	1,287	130
	2010	..	..	1,372	..	-30	1,402	140
	2011	..	..	1,320	..	0	1,321	130
	2012	..	..	1,272	..	39	1,233	120
El Salvador	2009	..	..	893	..	-6	899	145
	2010	..	..	808	..	-26	834	134
	2011	..	..	732	..	-40	772	123
	2012	..	..	498	..	-51	549	87
Guatemala	2009	736	16	..	631	14	91	7
	2010	651	17	..	555	22	74	5
	2011	596	17	..	527	-16	85	6
	2012	579	16	..	488	19	72	5
Jamaica	2009	..	..	1,190	..	..	1,190	436
	2010	..	..	1,144	..	..	1,144	417
	2011	..	..	1,211	..	..	1,211	439
	2012	..	..	1,204	..	..	1,204	435
Martinique	2009	..	..	846	..	..	846	2,115
	2010	..	..	846	..	..	846	2,111
	2011	..	..	910	..	..	910	2,266
	2012	..	..	925	..	..	925	2,297
Mexico	2009	135,096	11	..	64,964	-419	70,551	606
	2010	133,632	11	..	71,612	117	61,903	525
	2011	132,041	10	..	70,361	-463	62,143	521
	2012	132,183	10	..	66,181	267	65,735	544
Netherlands Antilles	2009	..	..	9,505	..	..	9,505	47,073
	2010	..	..	4,270	..	..	4,270	20,559
	2011	..	..	8,344	..	..	8,344	39,143
	2012	..	..	8,662	..	..	8,662	39,672

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per Capita
Nicaragua	2009	..	..	836	..	12	824	143
	2010	..	..	782	..	-13	795	137
	2011	..	..	838	..	29	809	137
	2012	..	..	542	..	1	541	90
Trinidad and Tobago	2009	5,509	9	4,878	2,762	-180	7,805	5,902
	2010	5,047	8	3,513	2,336	-278	6,502	4,896
	2011	4,739	7	4,284	1,989	-42	7,076	5,308
	2012	4,225	8	2,959	1,587	80	5,517	4,125
United States	2009	264,405	11	477,735	2,160	3,420	736,560	2,380
	2010	270,234	10	486,442	2,054	679	753,943	2,415
	2011	279,251	12	468,038	2,318	-4,381	749,352	2,380
	2012	320,925	11	421,949	3,337	2,848	736,689	2,320
America, South	2009	342,985	62	35,772	163,651	208	214,897	551
	2010	351,290	75	32,226	173,711	-1,521	211,325	536
	2011	360,029	86	31,640	177,307	454	213,909	537
	2012	354,677	87	32,790	174,133	-2,239	215,572	536
Argentina	2009	32,002	10	0	4,680	-33	27,355	683
	2010	31,274	10	0	2,861	202	28,211	699
	2011	29,861	11	0	3,057	342	26,462	650
	2012	28,324	11	219	3,080	-331	25,794	628
Bolivia (Plur. State of)	2009	1,996	24	..	0	-22	2,018	202
	2010	2,097	23	..	0	1	2,096	206
	2011	2,177	22	..	0	0	2,177	211
	2012	2,534	19	..	0	-1	2,535	242
Brazil	2009	89,823	16	19,020	26,660	1,093	81,090	419
	2010	95,043	19	17,182	32,028	-1,163	81,360	417
	2011	97,550	20	16,831	30,660	745	82,976	421
	2012	95,652	20	17,495	27,051	-532	86,628	436
Chile	2009	178	6	9,849	..	89	9,938	585
	2010	207	7	8,337	..	-1	8,545	498
	2011	266	7	8,931	..	-64	9,261	535
	2012	290	8	8,470	..	-116	8,876	508
Colombia	2009	34,572	7	..	18,087	23	16,462	359
	2010	39,584	6	..	22,344	-17	17,257	372
	2011	46,102	6	..	30,118	-62	16,046	341
	2012	47,686	5	..	31,445	-77	16,318	342
Ecuador	2009	25,400	36	..	17,097	-770	9,073	615
	2010	25,375	36	..	17,810	-506	8,071	538
	2011	26,115	37	..	17,210	-415	9,320	611
	2012	26,355	37	..	18,521	-1,127	8,961	578
Peru	2009	5,357	19	4,993	944	-44	9,450	327
	2010	5,501	18	4,772	936	-84	9,421	322
	2011	5,305	12	4,717	805	76	9,141	309
	2012	5,180	12	4,550	772	-176	9,134	305
Suriname	2009	662	18	0	95	0	567	1,090
	2010	792	15	0	0	4	788	1,501
	2011	815	15	0	0	0	815	1,539
	2012	832	14	0	0	0	832	1,556
Uruguay	2009	..	..	1,910	..	-128	2,038	606
	2010	..	..	1,935	..	43	1,891	561
	2011	..	..	1,161	..	-168	1,329	393
	2012	..	..	2,056	..	121	1,935	570

Table 13

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per Capita
Venezuela(Bolivar. Rep.)	2009	152,995	118	..	96,088	..	56,907	1,991
	2010	151,417	151	..	97,732	..	53,685	1,848
	2011	151,838	180	..	95,457	..	56,381	1,911
	2012	147,824	185	..	93,264	..	54,560	1,821
Asia	2009	1,561,605	63	848,107	942,980	6,182	1,460,549	354
	2010	1,593,924	61	901,688	932,692	5,438	1,557,481	374
	2011	1,673,673	62	922,258	1,023,830	9,109	1,562,993	371
	2012	1,664,889	63	978,371	1,004,048	-1,510	1,640,722	386
Azerbaijan	2009	*48,354	19	1	44,332	-127	*4,150	*462
	2010	48,581	19	0	42,659	-37	5,959	655
	2011	43,445	21	0	37,268	59	6,118	665
	2012	41,015	22	0	34,728	38	6,249	671
Bahrain	2009	9,086	17	11,188	7,579	..	12,695	10,654
	2010	9,068	17	*8,827	*4,579	..	*13,316	*10,640
	2011	9,488	16	*8,040	*4,580	..	*12,948	*10,016
	2012	8,648	18	*7,667	*3,000	..	*13,315	*10,104
Bangladesh	2009	..	14	1,039	..	232	807	5
	2010	..	13	1,275	..	53	1,222	8
	2011	..	13	1,211	..	-95	1,306	9
	2012	..	13	1,266	..	116	1,150	7
Brunei Darussalam	2009	7,658	19	..	7,064	142	452	1,146
	2010	7,616	20	..	7,342	-165	439	1,096
	2011	7,288	19	..	6,740	56	492	1,210
	2012	7,280	19	..	6,920	36	324	786
China	2009	189,490	13	203,653	5,073	6,765	381,305	282
	2010	203,014	12	237,682	3,030	8,900	428,766	315
	2011	202,876	14	253,779	2,514	14,530	439,610	321
	2012	207,478	13	271,027	2,432	9,226	466,847	339
Georgia	2009	53	94	5	60	0	-2	0
	2010	50	100	5	58	0	-3	-1
	2011	49	102	3	49	0	3	1
	2012	44	114	0	37	0	7	2
India	2009	33,690	19	152,481	..	..	186,171	156
	2010	37,684	18	163,339	..	..	201,023	167
	2011	38,090	18	167,727	..	..	205,817	169
	2012	37,862	18	184,173	..	..	222,035	180
Indonesia	2009	47,461	9	16,383	18,257	-656	46,243	195
	2010	48,175	9	14,221	18,048	-120	44,468	185
	2011	44,981	11	13,232	18,520	-5,036	44,729	183
	2012	42,987	11	13,110	15,757	-1,638	41,978	170
Iran(Islamic Rep. of)	2009	227,911	71	..	127,184	3,397	97,330	1,323
	2010	228,782	70	..	130,365	1,900	96,517	1,296
	2011	226,530	84	..	128,855	-2,112	99,787	1,323
	2012	165,436	112	..	65,738	-2,935	102,633	1,343
Iraq	2009	115,221	133	..	94,012	-365	21,574	715
	2010	116,307	131	..	93,223	31	23,053	745
	2011	130,575	119	..	106,931	0	23,644	743
	2012	144,902	107	..	119,328	0	25,574	780
Israel	2009	6	46	11,344	..	0	11,350	1,560
	2010	4	68	11,030	..	43	10,991	1,481
	2011	20	14	10,484	..	-488	10,992	1,457
	2012	12	23	11,127	..	385	10,754	1,407

Table 13

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per Capita
Japan	2009	265	13	169,199	..	-1,774	171,238	1,345
	2010	250	14	171,704	..	-759	172,713	1,356
	2011	243	13	168,341	..	435	168,149	1,321
	2012	240	14	170,309	..	-559	171,108	1,345
Jordan	2009	2	91	3,633	..	-13	3,648	590
	2010	1	114	3,485	..	46	3,440	533
	2011	1	152	3,193	..	-89	3,283	488
	2012	1	125	3,626	..	-22	3,650	521
Kazakhstan	2009	64,354	38	6,029	*57,030	-44	13,397	851
	2010	68,084	36	5,978	*52,800	973	20,289	1,274
	2011	67,765	51	4,526	*56,698	-1,108	16,701	1,037
	2012	66,475	52	5,919	*57,458	87	14,849	913
Korea, Dem.Ppl's.Rep.	2009	..	..	520	..	..	520	21
	2010	..	..	528	..	..	528	22
	2011	..	..	526	..	..	526	21
	2012	..	..	527	..	..	527	21
Korea, Republic of	2009	42	..	115,084	..	3,073	112,053	2,326
	2010	53	..	118,897	..	562	118,388	2,443
	2011	39	..	125,197	..	-86	125,322	2,572
	2012	36	..	128,275	..	938	127,373	2,599
Kuwait	2009	112,772	117	..	67,154	..	45,618	16,006
	2010	115,290	113	..	68,829	..	46,461	15,531
	2011	132,571	100	..	87,897	..	44,674	14,297
	2012	148,833	89	..	101,296	..	47,537	14,625
Kyrgyzstan	2009	77	65	30	6	-1	102	19
	2010	83	60	15	0	3	95	18
	2011	77	65	14	2	-6	95	18
	2012	79	63	6	0	6	79	14
Malaysia	2009	31,642	21	9,071	15,960	*73	24,680	888
	2010	30,653	21	9,067	16,381	*328	23,011	814
	2011	27,370	18	8,797	11,020	1,636	23,511	818
	2012	28,133	18	9,658	11,584	-934	27,141	928
Mongolia	2009	256	8	..	*256	0	0	0
	2010	298	7	..	*298	0	0	0
	2011	349	6	..	*348	1	0	0
	2012	497	4	..	*497	0	0	0
Myanmar	2009	951	7	..	44	-41	948	18
	2010	927	7	..	0	43	884	17
	2011	905	8	..	0	-6	911	17
	2012	847	8	..	140	28	679	13
Oman	2009	40,524	18	..	33,333	330	6,861	2,576
	2010	45,428	16	..	39,103	-1,303	7,628	2,722
	2011	44,126	17	..	36,803	-1,962	9,285	3,070
	2012	48,290	15	..	40,187	-1,639	9,742	2,940
Other Asia	2009	14	20	47,426	..	-337	47,777	2,070
	2010	12	23	43,944	..	151	43,805	1,893
	2011	10	27	39,865	..	-701	40,576	1,748
	2012	10	27	44,385	..	-443	44,838	1,927
Pakistan	2009	3,180	12	6,888	..	137	9,932	58
	2010	3,225	12	6,658	..	47	9,837	57
	2011	3,297	11	6,113	..	54	9,356	53
	2012	*3,731	10	*7,402	..	*54	*11,079	*62

Table 13

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per Capita
Philippines	2009	399	16	6,839	261	-428	7,405	81
	2010	418	17	9,098	357	124	9,035	97
	2011	318	22	9,489	334	114	9,357	98
	2012	224	26	8,857	143	-62	8,999	93
Qatar	2009	35,677	51	..	32,138	..	3,539	2,263
	2010	35,683	46	..	31,633	..	4,050	2,315
	2011	35,692	47	..	31,863	..	3,829	2,004
	2012	35,797	46	..	31,767	..	4,030	1,965
Saudi Arabia	2009	407,930	76	..	294,854	-3,780	116,856	4,361
	2010	406,992	75	..	288,813	-4,968	123,147	4,518
	2011	464,088	70	..	351,154	4,069	108,865	3,921
	2012	487,969	66	..	370,327	-4,924	122,566	4,333
Singapore	2009	..	..	29,773	17	..	29,756	5,994
	2010	..	..	36,428	37	..	36,390	7,165
	2011	..	..	42,102	0	..	42,102	8,109
	2012	..	..	46,920	0	..	46,920	8,847
Sri Lanka	2009	..	..	1,932	..	-74	2,006	97
	2010	..	..	1,819	..	66	1,753	84
	2011	..	..	1,932	..	-72	2,004	96
	2012	..	..	1,626	..	0	1,626	77
Syrian Arab Republic	2009	18,325	18	7	7,172	-521	11,681	555
	2010	19,785	17	0	8,138	-218	11,865	551
	2011	18,033	18	0	5,332	1,073	11,628	533
	2012	8,253	39	0	0	0	8,253	377
Tajikistan	2009	26	76	..	4	..	22	3
	2010	27	74	..	4	..	23	3
	2011	28	71	..	0	..	28	4
	2012	30	67	..	0	..	30	4
Thailand	2009	7,585	3	41,362	2,140	-926	47,733	720
	2010	7,641	3	40,734	1,471	-863	47,767	719
	2011	6,982	4	39,596	1,620	*-1,531	46,489	698
	2012	7,430	5	43,003	2,052	*-139	48,520	727
Timor-Leste	2009	4,801	..	..	*4,801	..	0	0
	2010	4,379	..	..	*4,379	..	0	0
	2011	4,177	..	..	*4,177	..	0	0
	2012	3,965	..	..	*3,965	..	0	0
Turkey	2009	2,402	18	14,219	..	70	16,551	232
	2010	2,508	18	16,954	..	-157	19,619	272
	2011	2,370	18	18,092	..	-318	20,780	284
	2012	2,338	18	19,488	..	277	21,549	291
Turkmenistan	2009	9,551	8	..	2,000	..	7,551	1,517
	2010	9,780	8	..	1,300	..	8,480	1,682
	2011	10,506	7	..	2,300	..	8,206	1,607
	2012	10,942	7	..	3,100	..	7,842	1,516
United Arab Emirates	2009	107,712	100	..	99,675	..	8,037	1,041
	2010	111,672	96	..	102,999	..	8,673	1,027
	2011	123,235	93	..	113,795	..	9,440	1,058
	2012	127,806	90	..	118,460	..	9,346	1,015
Uzbekistan	2009	4,500	16	..	..	..	4,500	164
	2010	3,770	19	..	..	..	3,770	136
	2011	3,550	23	..	..	..	3,550	126
	2012	3,165	26	..	..	..	3,165	111

Table 13

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per Capita
Viet Nam	2009	16,360	38	..	13,373	1,050	1,937	22
	2010	15,014	41	..	8,072	759	6,183	69
	2011	15,185	39	..	8,240	692	6,253	70
	2012	16,739	35	..	9,251	595	6,893	76
Yemen	2009	13,328	25	..	9,201	..	4,127	186
	2010	12,669	26	..	8,773	..	3,896	171
	2011	9,416	41	..	6,789	..	2,627	113
	2012	7,396	51	..	5,881	..	1,515	64
Europe	2009	676,737	18	600,518	389,447	-1,212	889,021	1,203
	2010	669,245	18	592,800	370,642	1,597	889,806	1,202
	2011	660,283	14	577,547	357,449	-4,376	884,757	1,194
	2012	651,051	15	584,499	341,571	284	893,696	1,204
Albania	2009	577	52	220	362	54	381	121
	2010	744	40	23	502	90	175	56
	2011	895	34	209	768	0	336	107
	2012	1,031	29	35	957	-17	126	40
Austria	2009	909	7	7,424	..	27	8,306	992
	2010	877	7	6,795	..	-77	7,749	922
	2011	838	7	7,293	..	-167	8,298	984
	2012	839	8	7,473	..	-37	8,349	986
Belarus	2009	1,720	16	21,509	1,716	-146	21,659	2,274
	2010	1,700	16	14,739	0	-60	16,499	1,738
	2011	1,682	16	20,436	1,676	-45	20,487	2,168
	2012	1,660	16	21,669	1,645	10	21,674	2,304
Belgium	2009	..	..	31,224	..	-101	31,325	2,884
	2010	..	..	33,284	..	-7	33,291	3,043
	2011	..	..	29,853	..	79	29,774	2,705
	2012	..	..	31,569	..	-80	31,649	2,862
Bosnia and Herzegovina	2009	..	..	932	..	..	932	242
	2010	..	..	1,107	..	..	1,107	288
	2011	..	..	1,161	..	..	1,161	302
	2012	..	..	1,006	..	..	1,006	262
Bulgaria	2009	25	6,400	6,158	..	-65	6,248	839
	2010	23	6,957	5,434	..	-24	5,481	742
	2011	22	7,273	4,989	..	-72	5,083	693
	2012	24	6,667	5,885	..	15	5,894	810
Croatia	2009	667	12	4,048	..	20	4,695	1,079
	2010	616	14	3,536	..	-11	4,163	960
	2011	580	15	2,838	..	145	3,273	757
	2012	549	17	2,325	..	-184	3,058	710
Czech Republic	2009	222	9	7,187	21	18	7,370	703
	2010	176	11	7,727	20	-18	7,901	749
	2011	165	10	6,925	19	-27	7,098	669
	2012	156	11	7,074	21	-38	7,247	680
Denmark	2009	12,903	8	3,511	8,557	88	7,769	1,406
	2010	12,157	9	2,712	7,702	-81	7,248	1,306
	2011	10,941	10	3,020	7,275	-34	6,720	1,205
	2012	9,980	11	3,717	6,059	135	7,503	1,340
Finland	2009	..	..	10,784	..	-213	10,997	2,058
	2010	..	..	10,770	..	120	10,650	1,984
	2011	..	..	11,036	..	-127	11,163	2,071
	2012	..	..	10,243	..	98	10,145	1,876

Table 13

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per Capita
France	2009	899	15	71,404	0	-403	72,706	1,155
	2010	896	15	64,087	0	-245	65,228	1,031
	2011	895	15	64,183	461	-456	65,073	1,023
	2012	807	17	56,568	183	405	56,787	888
Germany	2009	2,768	6	98,028	110	-389	101,075	1,215
	2010	2,486	6	93,268	706	-422	95,470	1,150
	2011	2,627	8	90,519	375	-792	93,563	1,129
	2012	2,602	8	93,421	194	761	95,068	1,148
Greece	2009	80	13	17,780	998	-270	17,132	1,544
	2010	115	9	20,129	847	20	19,377	1,744
	2011	98	10	16,514	684	-481	16,409	1,476
	2012	94	11	20,953	258	242	20,547	1,847
Hungary	2009	791	4	5,425	..	-108	6,324	630
	2010	734	5	5,731	..	76	6,389	638
	2011	659	5	5,887	..	-50	6,596	660
	2012	649	5	5,449	..	-22	6,120	613
Ireland	2009	..	..	2,678	0	-119	2,797	634
	2010	..	..	3,044	92	47	2,905	650
	2011	..	..	3,010	39	22	2,949	652
	2012	..	..	2,939	0	-129	3,068	670
Italy	2009	4,551	14	76,297	375	220	80,253	1,332
	2010	5,080	12	78,620	369	485	82,846	1,368
	2011	5,284	14	72,216	440	-1,098	78,158	1,286
	2012	5,397	14	68,826	881	-297	73,639	1,209
Lithuania	2009	115	17	8,384	113	-21	8,407	2,710
	2010	115	17	9,006	111	25	8,985	2,928
	2011	114	18	8,930	80	-43	9,007	2,959
	2012	102	20	8,512	79	2	8,533	2,818
Netherlands	2009	1,312	24	48,203	657	434	48,424	2,924
	2010	1,020	28	51,341	507	-247	52,101	3,136
	2011	1,081	27	48,969	394	-754	50,410	3,025
	2012	1,111	27	49,833	486	-271	50,729	3,035
Norway	2009	100,892	8	998	87,944	-947	14,893	3,080
	2010	91,322	9	1,509	79,238	151	13,442	2,748
	2011	85,616	8	1,238	72,045	458	14,351	2,903
	2012	78,453	8	1,369	65,256	102	14,464	2,896
Poland	2009	687	22	20,098	226	277	20,282	531
	2010	687	22	22,688	211	325	22,839	598
	2011	617	27	23,792	292	-52	24,169	633
	2012	681	24	24,633	211	-50	25,153	658
Portugal	2009	..	..	10,268	..	-138	10,406	983
	2010	..	..	11,166	..	-131	11,297	1,067
	2011	..	..	10,344	..	69	10,275	970
	2012	..	..	11,058	..	4	11,054	1,042
Republic of Moldova	2009	17	..	..	..	0	17	5
	2010	11	..	..	..	-1	12	3
	2011	13	..	..	..	1	12	3
	2012	11	..	..	..	0	11	3
Romania	2009	4,386	12	6,894	0	96	11,184	510
	2010	4,168	13	5,822	78	-116	10,028	459
	2011	4,075	13	5,452	77	-141	9,591	440
	2012	3,860	14	5,128	49	115	8,824	406

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per Capita
Russian Federation	2009	476,709	22	1,784	248,899	1,627	227,967	1,587
	2010	484,687	21	0	243,260	2,443	238,984	1,664
	2011	491,937	16	0	244,490	-503	247,950	1,729
	2012	497,425	16	0	236,716	-494	261,203	1,824
Serbia	2009	663	15	2,279	..	62	2,880	297
	2010	866	11	1,883	..	-108	2,857	296
	2011	1,020	10	1,389	..	50	2,359	246
	2012	1,125	9	1,017	..	-1	2,143	224
Slovakia	2009	15	56	5,704	15	4	5,700	1,051
	2010	13	63	5,465	13	12	5,453	1,004
	2011	15	56	6,022	15	31	5,991	1,101
	2012	11	67	5,376	12	-24	5,399	991
Spain	2009	105	190	52,297	..	-261	52,663	1,151
	2010	123	163	52,461	..	-222	52,806	1,143
	2011	100	200	52,147	..	-81	52,328	1,125
	2012	142	141	58,807	..	-296	59,245	1,267
Sweden	2009	..	..	19,005	0	-322	19,327	2,076
	2010	..	..	19,861	0	-200	20,061	2,138
	2011	..	..	18,799	33	91	18,675	1,976
	2012	..	..	20,673	29	-147	20,791	2,186
Switzerland	2009	..	..	4,711	..	-34	4,745	610
	2010	..	..	4,488	..	0	4,488	571
	2011	..	..	4,359	..	13	4,346	547
	2012	..	..	3,397	..	2	3,395	423
T.F.Yug.Rep. Macedonia	2009	..	..	998	..	26	973	463
	2010	..	..	842	..	-11	853	406
	2011	..	..	689	..	-16	705	335
	2012	..	..	259	..	0	260	123
Ukraine	2009	2,904	15	7,182	8	-126	10,204	221
	2010	2,582	16	7,765	0	-52	10,399	226
	2011	2,438	16	5,679	0	82	8,035	175
	2012	2,290	16	1,522	0	-78	3,890	85
United Kingdom	2009	62,820	6	47,104	39,446	-502	70,980	1,150
	2010	58,047	6	47,497	36,986	-164	68,722	1,107
	2011	48,571	7	49,649	28,286	-478	70,412	1,128
	2012	42,052	9	53,763	28,535	558	66,722	1,063
Oceania	2009	25,671	12	24,333	16,698	-71	33,377	926
	2010	23,254	15	27,255	16,445	302	33,762	921
	2011	21,886	20	31,150	16,862	-164	36,338	976
	2012	21,638	20	29,710	14,789	-268	36,827	975
Australia	2009	21,103	13	19,047	12,503	-59	27,706	1,257
	2010	20,444	16	21,373	13,661	239	27,917	1,246
	2011	19,775	21	25,045	14,826	-122	30,116	1,324
	2012	19,785	21	23,339	13,026	-163	30,261	1,313
New Zealand	2009	2,574	8	4,542	2,275	56	4,785	1,107
	2010	2,463	8	4,901	2,342	38	4,984	1,141
	2011	2,111	9	5,135	2,036	-55	5,265	1,193
	2012	1,853	10	5,273	1,763	-151	5,514	1,236
Papua New Guinea	2009	1,994	5	744	1,920	-68	886	132
	2010	347	26	981	442	25	861	126
	2011	0	..	970	0	13	957	136
	2012	0	..	1,098	0	46	1,052	147

Table 14

Production of additives and other hydrocarbons

Thousand metric tons

Table Notes

Additives production refers to any quantities of additives (as per the definition in page x) which come from non-energy sources, such as Tetraethyllead (TEL) or detergents.

Additives from other sources refers to quantities of additives (as per the definition in page x) already accounted for in energy statistics, such as oxygenates from a biomass or hydrocarbon origin.

Other hydrocarbons production refers to quantities of other hydrocarbons which are oils obtained by non-conventional production techniques and are primary for the purposes of energy statistics.

Other hydrocarbons from other sources refers to the oils extracted from extra heavy oils, oil sands, coal and oil shale whose production has been already accounted for in energy statistics, together with the output of GTL plants.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/classification.

Figure 41: Major additive producing countries, 2012

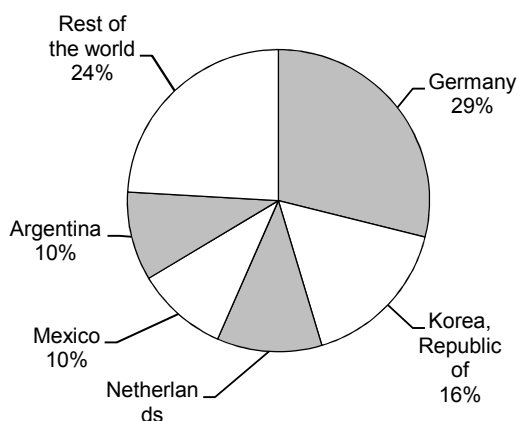
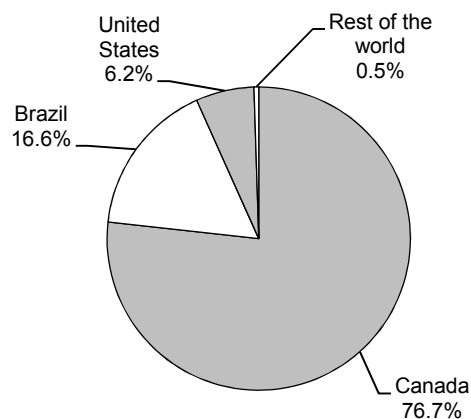


Figure 42: Major other hydrocarbon producing countries, 2012



Production of additives and other hydrocarbons

Thousand metric tons

Country or area	Year	Additives Production (kt)	Additives From other sources (kt)	Other hydrocarbons Production (kt)	Other hydrocarbons From other sources (kt)
World	2009	6,527	336	49,299	7,196
	2010	4,527	2,972	51,052	7,631
	2011	4,197	3,120	54,162	8,189
	2012	4,133	2,329	57,042	10,983
Africa	2009	..	..	..	3,996
	2010	..	..	..	3,996
	2011	..	..	..	3,875
	2012	..	..	..	4,188
South Africa	2009	..	..	..	3,996
	2010	..	..	..	3,996
	2011	..	..	..	3,875
	2012	..	..	..	4,188
America, North	2009	2,396	..	39,734	589
	2010	360	2,679	41,382	799
	2011	371	2,861	44,513	802
	2012	406	2,135	47,375	803
Canada	2009	..	..	37,148	589
	2010	..	..	38,386	799
	2011	..	..	41,158	802
	2012	..	..	43,773	803
Mexico	2009	391	..	..	..
	2010	360	..	..	..
	2011	371	..	56	..
	2012	406	..	61	..
United States	2009	2,005	..	2,586	..
	2010	0	2,679	2,996	..
	2011	0	2,861	3,299	..
	2012	..	2,135	3,541	..
America, South	2009	..	..	9,393	..
	2010	418	..	9,483	..
	2011	355	..	9,467	..
	2012	393	..	9,442	..
Argentina	2009	..	..	..	..
	2010	418	..	..	..
	2011	355	..	..	..
	2012	393	..	..	..
Brazil	2009	..	..	9,393	..
	2010	..	..	9,483	..
	2011	..	..	9,467	..
	2012	..	..	9,442	..
Asia	2009	649	..	172	1,467
	2010	644	..	187	1,571
	2011	667	..	176	2,236
	2012	681	..	157	4,440
Korea, Republic of	2009	649	..	..	..
	2010	644	..	..	..
	2011	667	..	..	..
	2012	681	..	..	..
Malaysia	2009	..	..	..	409
	2010	..	..	..	435
	2011	..	..	..	344
	2012	..	..	..	467

Table 14

Production of additives and other hydrocarbons

Thousand metric tons

Country or area	Year	Additives Production (kt)	Additives From other sources (kt)	Other hydrocarbons Production (kt)	Other hydrocarbons From other sources (kt)
Qatar	2009	..	..	..	1,058
	2010	..	..	..	1,136
	2011	..	..	..	1,892
	2012	..	..	..	3,973
Uzbekistan	2009	..	..	172	..
	2010	..	..	187	..
	2011	..	..	176	..
	2012	..	..	157	..
Europe	2009	3,482	336	0	1,144
	2010	3,105	293	0	1,265
	2011	2,804	259	6	1,276
	2012	2,653	194	68	1,552
Bulgaria	2009	..	..	..	22
	2010	..	..	..	38
	2011	..	..	..	38
	2012	..	..	..	35
Croatia	2009	..	..	..	0
	2010	..	..	..	7
	2011	..	..	..	53
	2012	..	..	..	145
Czech Republic	2009	88	..	..	..
	2010	96	..	..	..
	2011	177	7	..	..
	2012	165	6	..	..
Estonia	2009	..	..	..	485
	2010	..	..	..	524
	2011	..	..	..	561
	2012	..	..	..	599
Finland	2009	97	..	..	210
	2010	67	..	..	210
	2011	60	..	..	192
	2012	70	..	..	196
France	2009	291	..	..	..
	2010	259	..	..	..
	2011	208	..	..	..
	2012	186	..	..	..
Germany	2009	1,729	..	..	..
	2010	1,294	..	..	..
	2011	1,286	..	..	..
	2012	1,193	..	..	..
Hungary	2009	..	1	0	..
	2010	..	6	0	..
	2011	..	10	6	..
	2012	..	0	68	..
Italy	2009	611	75	..	..
	2010	802	100	..	..
	2011	496	45	..	..
	2012	389	..	..	..
Lithuania	2009	..	3	..	..
	2010	..	0	..	..
	2011	..	0	..	..
	2012	..	0	..	..

Production of additives and other hydrocarbons

Thousand metric tons

Country or area	Year	Additives Production (kt)	Additives From other sources (kt)	Other hydrocarbons Production (kt)	Other hydrocarbons From other sources (kt)
Netherlands	2009	465	..	..	..
	2010	382	..	..	..
	2011	334	..	..	..
	2012	465	..	..	..
Norway	2009	160	..	..	..
	2010	133	..	..	..
	2011	142	..	..	..
	2012	113	..	..	..
Poland	2009	5	..	..	239
	2010	52	..	..	304
	2011	57	..	..	230
	2012	10	..	..	401
Romania	2009	21	79	0	49
	2010	0	0	0	46
	2011	0	0	0	49
	2012	0	21	..	49
Serbia	2009	9	..	..	..
	2010	13	..	..	..
	2011	13	..	..	..
	2012	5	..	..	..
Slovakia	2009	..	178	..	139
	2010	..	186	..	136
	2011	..	197	..	153
	2012	..	167	..	127
Switzerland	2009	..	0	..	..
	2010	..	1	..	..
	2011	..	0	..	..
	2012	..	0	..	..
Ukraine	2009	6	..	..	..
	2010	7	..	..	..
	2011	31	..	..	..
	2012	57	..	..	..

Table 15

**International trade of conventional crude oil
(Principal importers/exporters)**

Thousand metric tons

2011

Importers	Exporters							
	World	Algeria	Angola	Canada	Iran(Islamic Rep. of)	Iraq	Kazakhstan	Kuwait
Australia	25,045	390	..	..	..	..	..	..
Belarus	20,436	..	..	..	..	..	..	..
Belgium	29,853	87	323	..	1,836	920	..	..
Brazil	16,831	265	389	..	..	1,234	..	..
Canada	33,246	6,492	4,090	..	..	1,667	1,193	..
Chile	8,931	..	..	..	..	..	..	..
China	253,779	2,173	31,148	604	27,747	13,773	11,211	9,541
Finland	11,036	..	..	..	..	..	25	..
France	64,183	4,047	2,258	..	2,997	1,548	8,253	..
Germany	90,519	2,761	1,257	299	821	759	7,325	157
Greece	16,514	..	..	..	6,115	1,622	422	..
India	167,727	1,960	7,828	..	13,107	22,849	..	16,466
Indonesia	13,232	385	..	124	..	..	..	..
Italy	72,216	1,047	2,554	..	9,130	5,151	3,062	..
Japan	168,341	39	71	..	11,861	3,914	..	14,279
Korea, Republic of	125,197	..	..	..	11,432	11,628	..	16,185
Netherlands	48,969	408	1,180	..	811	3,486	1,538	3,852
Philippines	9,489	..	..	..	792	..	..	..
Poland	23,792	..	..	..	124	..	..	..
Portugal	10,344	906	2,184	..	..	..	1,347	..
Singapore	42,102	..	..	..	..	..	..	3,976
South Africa	20,725	..	1,948	..	4,874	..	..	..
Spain	52,147	537	696	92	7,493	3,863	573	..
Sweden	18,799	..	..	..	..	..	..	..
Thailand	39,596	94	..	..	34	1,107	..	334
Turkey	18,092	..	..	..	9,286	3,071	1,186	..
United Kingdom	49,649	2,754	474	611	..	..	..	..
United States	468,038	7,163	16,810	80,601	..	21,944	354	9,592

**International trade of conventional crude oil
(Principal importers/exporters)**

Thousand metric tons

2011

Exporters									
Libya	Mexico	Nigeria	Norway	Russian Federation	Saudi Arabia	United Arab Emirates	United Kingdom	Venezuela(Bolivar. Rep.)	
437	..	1,640	..	635	124	3,746	..	..
..	..	..	..	18,147	..	..	..	1,314	
1	278	1,072	2,817	13,537	5,512	1	1,582	645	
..	..	9,160	..	..	2,415	..	..	..
..	1,188	3,278	4,573	807	4,224	..	2,280	546	
..	..	..	..	..	..	..	719	..	
2,091	1,686	1,065	156	19,724	50,278	6,735	..	11,517	
..	..	..	1,238	9,738	..	..	..	..
..	..	4,766	6,662	9,333	6,698	331	2,021	68	
2,781	365	5,431	7,395	35,328	1,070	354	12,703	1,109	
682	..	..	..	4,105	2,588	87	..	..
478	2,081	15,029	..	..	29,450	13,457	..	9,092	
..	..	1,855	..	405	4,812	..	..	..
4,762	18	2,326	1,072	11,354	9,893	..	564	..	
173	..	349	..	7,378	57,347	40,239	220	137	
246	..	..	285	4,373	39,960	11,887	416	..	
212	105	4,349	5,335	15,374	5,258	126	3,191	540	
..	..	..	..	1,759	3,854	1,923	..	..
..	..	..	1,337	21,853	..	..	477	..	
..	291	1,211	289	424	1,525	..	..	..
..	..	..	..	360	14,087	9,334	..	..
..	..	3,755	..	..	4,792	598	..	..
1,159	6,135	6,914	373	7,977	7,661	..	159	419	
..	..	..	3,740	9,655	..	..	1,390	932	
143	..	258	..	3,153	7,138	15,190	..	..
..	..	..	..	2,131	1,965	..	..	..
..	..	3,296	28,568	4,547	85	..	..	892	
..	56,787	38,028	2,599	11,212	58,510	343	1,761	56,935	

Table 15

**International trade of conventional crude oil
(Principal importers/exporters)**

Thousand metric tons

2012

Importers	Exporters							
	World	Algeria	Angola	Canada	Iran(Islamic Rep. of)	Iraq	Kazakhstan	Kuwait
Australia	23,339	33	..	..	..	..	..	..
Belarus	21,669	..	..	..	..	..	..	..
Belgium	31,569	..	284	..	25	1,216	..	..
Brazil	15,451	1,095	..	..	..	1,247	..	..
Canada	35,353	6,060	2,284	..	..	4,658	3,509	..
Chile	8,470	..	..	106	..	..	..	..
China	270,980	2,572	40,152	664	17,926	15,683	10,704	10,490
Finland	10,243	..	..	..	..	..	..	..
France	56,568	2,860	1,728	..	83	1,846	7,181	..
Germany	93,421	2,330	428	..	96	839	5,430	591
Greece	20,953	..	..	..	1,858	3,409	1,782	..
India	187,311	790	9,662	140	15,172	24,240	..	19,909
Indonesia	12,550	305	..	..	..	..	..	..
Italy	68,826	615	1,042	..	3,226	5,906	3,623	..
Japan	170,309	..	600	..	7,328	3,786	..	15,215
Korea, Republic of	128,275	95	..	..	7,951	12,365	..	18,810
Netherlands	49,833	1,608	1,002	..	35	2,728	1,458	3,343
Philippines	8,865	..	..	..	148	..	..	..
Poland	24,633	..	..	..	..	120	..	..
Portugal	11,058	1,157	2,613	..	..	291	1,043	..
Singapore	46,920	..	..	..	615	1,361	..	4,303
South Africa	19,021	..	3,356	..	1,502	..	..	..
Spain	58,807	1,644	1,920	135	1,101	4,933	392	..
Sweden	20,673	..	..	..	..	..	..	..
Thailand	42,092	775	383	..	..	..	..	619
Turkey	19,488	..	..	..	7,559	3,739	1,414	..
United Kingdom	53,763	3,253	1,518	..	..	..	..	..
United States	421,949	5,418	10,974	86,598	..	23,524	..	14,985

**International trade of conventional crude oil
(Principal importers/exporters)**

Thousand metric tons

2012

Exporters									
Libya	Mexico	Nigeria	Norway	Russian Federation	Saudi Arabia	United Arab Emirates	United Kingdom	Venezuela(Bolivar. Rep.)	
765	..	3,010	..	1,052	173	3,680	122	..	
..	..	..	..	21,338	..	..	..	..	330
446	95	4,599	2,324	11,616	7,184	..	1,378	..	496
..	..	8,429	..	120	3,544	..	..	..	..
..	934	2,327	3,676	186	2,944	..	951	..	..
..	..	..	131	..	..	..	138	..	..
7,306	1,015	937	..	24,329	53,915	8,744	..	..	15,291
..	..	..	1,143	9,100	..	..	..	..	..
6,370	..	3,609	4,748	8,068	7,838	..	1,338	..	90
8,613	87	6,652	9,349	34,701	2,381	..	13,261	..	707
2,674	..	..	..	6,970	3,871	..	..	..	..
1,364	3,773	15,053	..	147	33,619	15,739	..	..	17,456
599	..	3,069	..	391	3,850	..	..	..	..
14,345	..	2,397	538	9,294	9,875	..	..	..	..
297	..	525	..	9,548	56,722	39,833	..	..	140
716	..	..	2,553	4,248	40,463	11,384	3,360	..	..
734	123	5,978	5,179	14,929	5,716	..	4,956	..	223
..	..	..	..	1,068	3,983	2,176	..	..	..
..	..	..	828	23,518	59	..	..	..	..
489	137	639	..	380	61	..	..	..	283
173	..	..	60	856	11,975	13,430	..	..	..
..	..	4,310	..	..	8,518	538	..	..	..
4,882	8,662	8,414	83	8,201	7,848	..	..	..	2,574
..	..	1,276	5,210	8,740	..	..	1,136	..	955
..	..	495	..	2,368	7,443	16,299	..	..	..
1,021	..	397	..	2,113	2,825	..	..	..	..
2,925	..	6,744	25,270	6,583	532	..	..	..	867
2,751	48,205	20,065	1,262	5,005	67,312	..	871	..	45,218

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Table Notes

Output is equal to the sum of “production from refineries” for aviation gasoline, bitumen, gas/diesel oil, ethane, feedstocks, gasoline-type jet fuel, kerosene-type jet fuel, other kerosene, liquefied petroleum gas, lubricants, motor gasoline, naphtha, petroleum coke, other oil products, paraffin waxes, fuel oil, refinery gas and white spirits.

Throughput is equal to the sum of “transformation in refineries” for conventional crude oil, feedstocks, other hydrocarbons, additives and oxygenates, and natural gas liquids.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification.

Figure 43: Refinery distillation capacity, throughput and output, by region, 2012

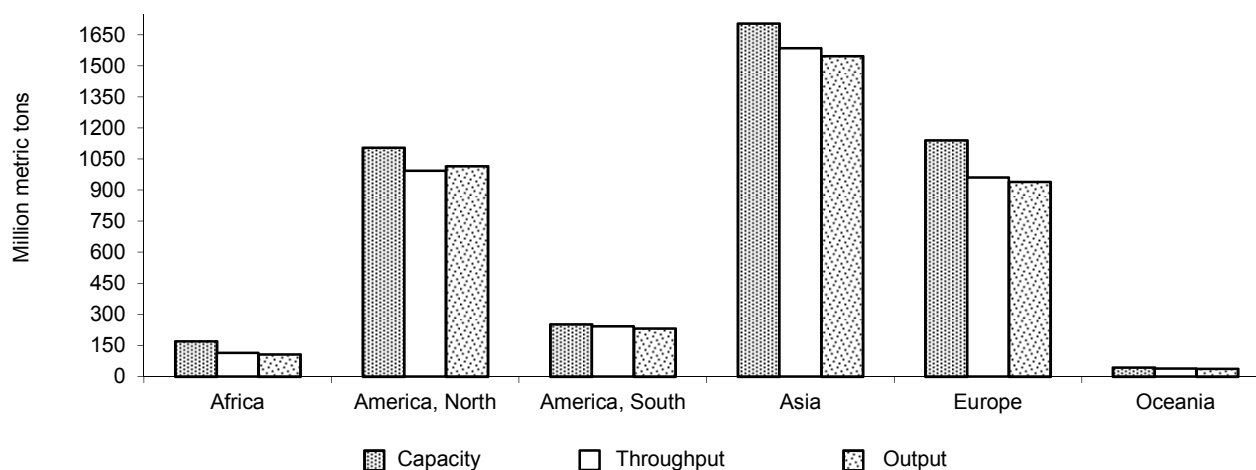


Figure 44: Total refinery distillation capacity by region, 1990-2012

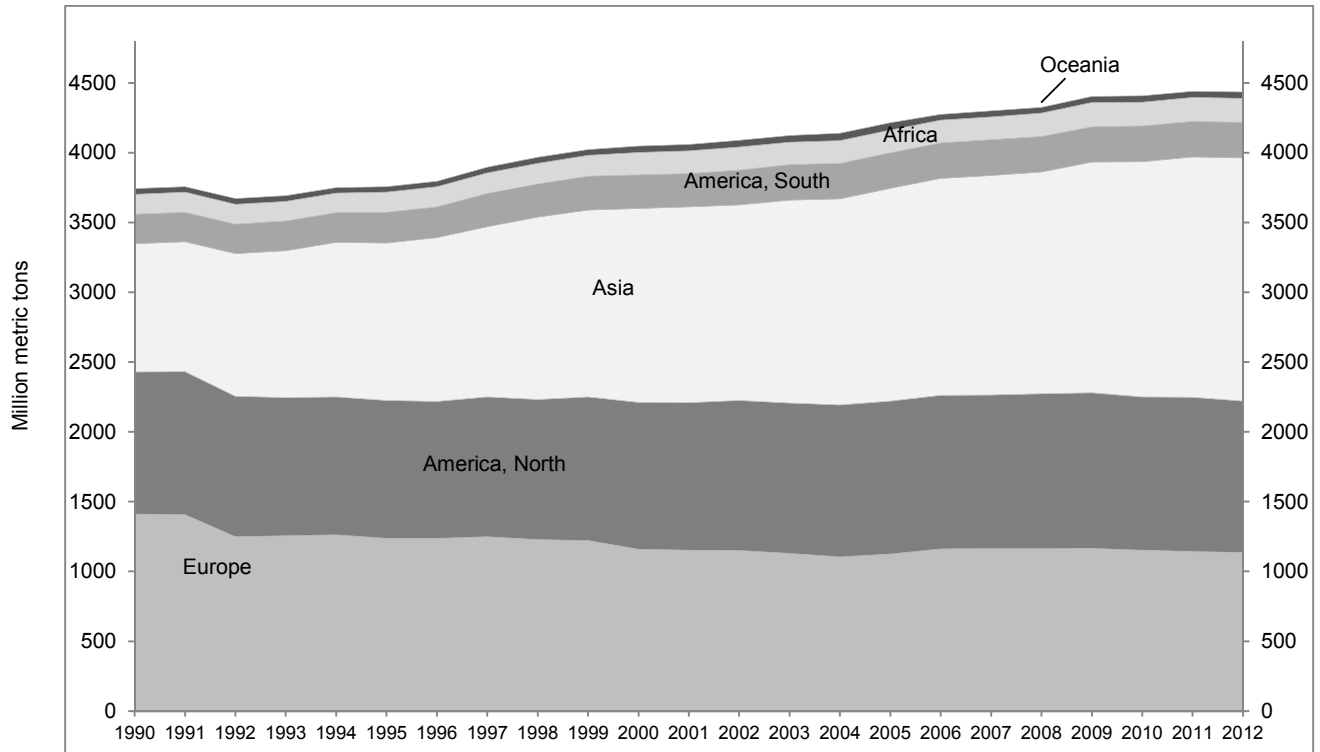


Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
World	2009	4,403,407	3,838,198	3,723,944
	2010	4,407,687	3,925,329	3,847,928
	2011	4,440,951	3,949,730	3,884,574
	2012	4,435,349	4,047,609	3,947,600
Africa	2009	173,607	112,594	109,297
	2010	170,682	121,619	119,348
	2011	170,784	113,596	108,962
	2012	172,855	111,276	108,695
Algeria	2009	32,581	23,523	22,576
	2010	32,581	27,292	26,402
	2011	32,581	25,995	25,320
	2012	34,658	23,710	23,007
Angola	2009	2,750	1,851	1,851
	2010	2,750	1,883	1,843
	2011	2,750	1,953	1,906
	2012	2,750	1,922	1,928
Cameroon	2009	1,845	1,762	1,732
	2010	1,845	2,063	2,057
	2011	1,845	1,999	1,994
	2012	1,845	1,963	1,958
Congo	2009	1,047	728	693
	2010	1,047	675	655
	2011	1,047	603	575
	2012	1,047	874	833
Côte d'Ivoire	2009	3,192	3,533	3,220
	2010	3,192	2,982	3,054
	2011	3,192	2,424	2,236
	2012	3,192	3,446	3,213
Egypt	2009	36,222	29,771	28,985
	2010	36,222	28,921	29,379
	2011	36,228	30,387	28,076
	2012	36,222	27,230	27,110
Gabon	2009	1,198	876	874
	2010	1,198	938	935
	2011	1,198	934	932
	2012	1,198	901	900
Ghana	2009	2,244	441	340
	2010	2,244	903	975
	2011	2,244	1,091	1,000
	2012	2,244	524	474
Kenya	2009	4,488	1,781	1,511
	2010	4,492	1,506	1,473
	2011	4,488	1,796	1,689
	2012	4,488	996	968
Liberia	2009	749	..	..
	2010	749	..	..
	2011	749	..	..
	2012	749	..	..
Libya	2009	18,852	15,079	14,777
	2010	18,852	16,477	16,147
	2011	18,852	5,534	5,423
	2012	18,852	8,206	8,042

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Mauritania	2009	*1,000	..	..
	2010	*1,000	..	..
	2011	0	..	..
	2012	0	..	..
Morocco	2009	6,500	4,643	4,429
	2010	6,500	6,328	5,754
	2011	6,500	7,072	6,979
	2012	6,500	7,563	7,049
Niger	2009	..	..	..
	2010	..	0	0
	2011	*1,200	80	57
	2012	*1,200	611	560
Nigeria	2009	25,187	2,531	2,400
	2010	22,195	4,941	4,885
	2011	22,195	5,887	5,868
	2012	22,195	4,619	4,674
Senegal	2009	1,248	566	706
	2010	1,248	726	597
	2011	1,248	803	714
	2012	1,248	778	768
Sierra Leone	2009	498	..	..
	2010	498	..	..
	2011	498	..	..
	2012	498	..	..
South Africa	2009	24,204	18,127	18,111
	2010	24,267	20,111	19,476
	2011	24,167	21,163	20,504
	2012	24,167	21,469	20,876
Sudan	2009	6,074	5,111	4,887
	2010	6,074	4,989	4,868
	2011	6,074	4,487	4,354
	2012	6,074	4,008	3,953
Tunisia	2009	1,800	1,684	1,649
	2010	1,800	259	257
	2011	1,800	719	702
	2012	1,800	1,739	1,704
United Rep. of Tanzania	2009	743	..	..
	2010	743	..	..
	2011	743	..	..
	2012	743	..	..
Zambia	2009	1,185	587	556
	2010	1,185	625	591
	2011	1,185	668	633
	2012	1,185	717	678
America, North	2009	1,114,700	984,975	988,454
	2010	1,098,328	986,945	1,008,458
	2011	1,107,336	993,958	1,017,234
	2012	1,085,455	974,751	972,731
Aruba	2009	11,721	*10,561	*10,058
	2010	11,463	*10,572	*10,067
	2011	11,463	*10,550	*10,050
	2012	11,463	*2,580	*2,440

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Canada	2009	101,708	93,514	95,030
	2010	94,863	95,076	97,036
	2011	95,683	90,250	92,472
	2012	95,249	92,873	92,868
Costa Rica	2009	1,247	375	354
	2010	1,247	511	503
	2011	1,247	151	150
	2012	0	0	0
Cuba	2009	9,975	*5,237	5,185
	2010	5,827	*5,053	5,003
	2011	5,985	*4,962	4,871
	2012	6,135	5,145	5,122
Dominican Republic	2009	1,721	1,296	1,247
	2010	1,721	1,393	1,340
	2011	1,721	1,321	1,264
	2012	1,721	1,234	1,168
El Salvador	2009	1,097	899	885
	2010	1,097	834	808
	2011	1,097	772	743
	2012	1,097	549	528
Guatemala	2009	748	91	88
	2010	748	74	70
	2011	*748	86	81
	2012	*748	72	71
Jamaica	2009	1,795	1,190	1,166
	2010	1,795	1,144	1,147
	2011	1,795	1,211	1,215
	2012	1,795	1,204	1,187
Martinique	2009	848	*848	*844
	2010	864	*862	*861
	2011	864	*910	*909
	2012	864	*925	*924
Mexico	2009	76,808	70,789	70,053
	2010	76,808	66,094	66,005
	2011	76,808	66,292	65,503
	2012	76,808	66,589	65,931
Netherlands Antilles	2009	15,960	10,045	9,835
	2010	15,960	4,512	4,453
	2011	15,960	8,818	8,718
	2012	15,960	9,154	9,077
Nicaragua	2009	997	824	798
	2010	997	795	768
	2011	997	803	780
	2012	997	538	518
Trinidad and Tobago	2009	8,379	7,805	7,469
	2010	8,379	6,502	6,187
	2011	8,379	7,076	6,855
	2012	8,379	5,517	5,415
United States	2009	881,696	781,502	785,443
	2010	876,559	793,522	814,209
	2011	884,589	800,757	823,622
	2012	864,239	788,372	787,482

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
America, South	2009	253,726	237,586	230,165
	2010	255,195	235,176	227,067
	2011	253,876	239,955	232,582
	2012	254,490	241,830	237,972
Argentina	2009	31,276	28,797	28,307
	2010	31,276	31,353	29,324
	2011	31,472	29,993	29,192
	2012	31,472	31,223	31,128
Bolivia (Plur. State of)	2009	3,476	2,018	1,957
	2010	3,476	2,088	2,025
	2011	3,476	2,180	2,115
	2012	3,708	2,256	2,188
Brazil	2009	106,144	91,935	93,676
	2010	107,313	91,875	94,100
	2011	106,286	94,555	96,795
	2012	106,812	98,498	102,469
Chile	2009	11,312	11,522	10,023
	2010	11,312	9,566	8,668
	2011	11,312	10,583	8,891
	2012	11,312	10,398	9,022
Colombia	2009	15,960	14,560	12,996
	2010	*15,960	15,079	13,798
	2011	15,472	15,472	14,819
	2012	15,328	15,328	15,493
Ecuador	2009	8,778	8,785	7,825
	2010	8,778	7,782	6,834
	2011	8,778	8,808	7,779
	2012	8,778	8,630	7,474
Paraguay	2009	370	..	..
	2010	370	..	..
	2011	370	..	..
	2012	370	..	..
Peru	2009	9,623	11,073	10,810
	2010	9,923	12,014	11,626
	2011	9,923	11,856	11,484
	2012	9,923	10,857	10,515
Suriname	2009	349	390	405
	2010	349	759	835
	2011	349	813	898
	2012	349	829	918
Uruguay	2009	2,493	2,034	1,941
	2010	2,493	1,889	1,914
	2011	2,493	1,329	1,325
	2012	2,493	1,934	1,948
Venezuela(Bolivar. Rep.)	2009	63,945	66,471	62,225
	2010	63,945	62,771	57,943
	2011	63,945	64,366	59,283
	2012	63,945	61,878	56,817
Asia	2009	1,653,334	1,500,064	1,413,875
	2010	1,686,997	1,583,380	1,510,597
	2011	1,722,048	1,601,575	1,546,891
	2012	1,741,451	1,718,146	1,658,007

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Azerbaijan	2009	16,000	6,036	5,801
	2010	16,000	6,306	6,318
	2011	16,000	6,339	6,200
	2012	16,000	6,205	6,056
Bahrain	2009	14,000	12,872	12,844
	2010	14,000	13,316	13,258
	2011	12,660	12,914	12,857
	2012	12,660	13,315	13,505
Bangladesh	2009	1,646	945	895
	2010	1,646	1,294	1,309
	2011	1,646	1,416	1,388
	2012	1,646	1,279	1,238
Brunei Darussalam	2009	*1,000	676	644
	2010	*1,000	650	615
	2011	*1,000	627	573
	2012	*1,000	476	418
China	2009	339,451	371,094	332,694
	2010	339,451	418,694	402,647
	2011	342,443	432,502	416,262
	2012	352,419	514,345	494,856
Georgia	2009	*5,440	15	13
	2010	*5,440	0	0
	2011	*5,440	0	0
	2012	*5,440	0	0
India	2009	177,968	199,166	195,990
	2010	187,386	215,168	205,839
	2011	213,066	215,006	214,526
	2012	215,066	231,799	229,362
Indonesia	2009	52,410	49,998	37,615
	2010	52,410	49,469	33,182
	2011	57,711	49,853	45,130
	2012	57,711	47,666	44,942
Iran(Islamic Rep. of)	2009	73,567	97,865	87,636
	2010	86,893	97,743	86,908
	2011	88,441	100,913	88,522
	2012	83,899	103,982	91,413
Iraq	2009	40,112	21,900	22,131
	2010	44,674	25,747	25,684
	2011	40,898	27,796	27,667
	2012	41,397	29,146	28,649
Israel	2009	12,500	12,075	11,895
	2010	12,500	12,814	12,506
	2011	12,500	12,408	12,032
	2012	12,500	11,865	11,720
Japan	2009	230,608	182,479	178,963
	2010	235,905	180,415	178,127
	2011	235,905	170,761	169,027
	2012	237,201	170,471	168,694
Jordan	2009	*5,977	3,647	3,566
	2010	*5,977	3,441	3,375
	2011	*5,977	3,283	3,197
	2012	*5,977	3,650	3,514

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Kazakhstan	2009	17,212	*12,446	12,059
	2010	17,212	*14,012	13,505
	2011	17,212	*14,444	13,962
	2012	17,212	14,707	13,862
Korea, Dem.Ppl's.Rep.	2009	3,541	520	501
	2010	3,541	528	510
	2011	3,541	526	508
	2012	3,541	527	508
Korea, Republic of	2009	134,738	119,020	116,272
	2010	135,736	122,338	119,614
	2011	137,631	130,662	127,495
	2012	147,556	133,852	131,006
Kuwait	2009	46,683	42,873	41,449
	2010	46,683	44,007	42,733
	2011	46,683	42,014	40,974
	2012	46,683	45,273	42,128
Kyrgyzstan	2009	499	101	97
	2010	499	101	97
	2011	499	92	90
	2012	499	84	81
Malaysia	2009	*26,862	*25,567	25,161
	2010	*26,862	*22,080	21,424
	2011	26,862	23,943	23,040
	2012	26,862	26,720	25,114
Myanmar	2009	2,843	799	714
	2010	2,843	882	890
	2011	2,843	787	898
	2012	2,843	709	737
Oman	2009	11,072	10,265	10,249
	2010	11,072	8,433	8,087
	2011	11,072	10,266	10,255
	2012	11,072	10,116	10,236
Other Asia	2009	65,337	48,174	47,924
	2010	65,337	44,239	44,667
	2011	65,337	42,156	41,945
	2012	65,337	46,865	46,042
Pakistan	2009	13,190	9,868	9,622
	2010	13,150	9,774	9,502
	2011	13,080	9,191	8,936
	2012	*13,080	*10,746	*10,340
Philippines	2009	13,616	7,055	6,815
	2010	13,616	8,691	8,423
	2011	13,616	9,204	8,909
	2012	13,616	8,237	7,954
Qatar	2009	16,893	7,416	7,339
	2010	16,893	13,685	13,575
	2011	16,893	12,937	12,912
	2012	16,893	13,618	13,478
Saudi Arabia	2009	103,741	96,011	94,128
	2010	103,741	95,682	93,806
	2011	105,337	93,813	91,974
	2012	105,337	97,530	95,618

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Singapore	2009	67,681	*44,920	43,611
	2010	67,681	*50,753	49,945
	2011	67,681	*52,505	51,732
	2012	67,681	*52,490	52,611
Sri Lanka	2009	2,350	2,006	1,911
	2010	2,350	1,753	1,664
	2011	2,350	2,004	1,740
	2012	2,350	1,626	1,495
Syrian Arab Republic	2009	11,963	11,681	11,283
	2010	11,963	11,865	11,721
	2011	11,963	11,628	11,487
	2012	11,963	8,253	8,153
Tajikistan	2009	*100	22	33
	2010	*100	23	38
	2011	499	28	35
	2012	499	30	37
Thailand	2009	49,410	47,550	40,133
	2010	49,410	47,581	39,532
	2011	*49,410	46,679	39,148
	2012	*49,410	48,715	41,169
Turkey	2009	35,625	18,793	18,637
	2010	35,625	20,096	19,907
	2011	35,625	22,350	22,170
	2012	35,625	23,332	23,139
Turkmenistan	2009	11,819	7,763	7,530
	2010	11,819	8,732	8,470
	2011	11,819	8,433	8,180
	2012	11,819	8,036	7,795
United Arab Emirates	2009	22,431	18,691	18,324
	2010	22,431	20,170	19,774
	2011	23,257	21,953	21,523
	2012	23,506	21,735	21,309
Uzbekistan	2009	11,086	4,552	4,371
	2010	11,186	3,860	3,883
	2011	11,186	3,636	3,583
	2012	11,186	3,245	3,204
Viet Nam	2009	6,981	1,460	1,460
	2010	6,983	5,507	5,701
	2011	6,983	6,150	5,771
	2012	6,983	6,200	6,382
Yemen	2009	6,983	3,743	3,565
	2010	6,983	3,531	3,363
	2011	6,983	2,356	2,244
	2012	6,983	1,302	1,240
Europe	2009	1,164,936	965,379	944,955
	2010	1,151,763	961,157	946,319
	2011	1,142,036	961,731	940,922
	2012	1,136,202	963,221	934,021
Albania	2009	1,312	342	339
	2010	1,312	154	158
	2011	1,312	287	297
	2012	1,312	106	111

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Austria	2009	10,404	8,860	8,813
	2010	10,404	8,155	7,986
	2011	10,404	8,997	8,816
	2012	9,645	8,868	8,780
Belarus	2009	24,605	21,634	21,310
	2010	24,605	16,455	16,220
	2011	24,605	20,474	20,187
	2012	24,605	21,667	21,375
Belgium	2009	39,782	35,045	34,637
	2010	36,924	35,476	35,115
	2011	36,899	33,339	32,949
	2012	36,293	35,155	34,861
Bosnia and Herzegovina	2009	*1,320	1,083	1,040
	2010	*1,320	1,209	1,161
	2011	*1,320	1,313	1,260
	2012	11,970	1,119	1,079
Bulgaria	2009	5,748	6,468	6,395
	2010	5,748	6,119	5,970
	2011	5,748	6,171	5,999
	2012	5,748	6,614	6,425
Croatia	2009	12,485	4,860	4,831
	2010	12,485	4,267	4,231
	2011	12,485	3,613	3,591
	2012	12,485	3,727	3,707
Czech Republic	2009	9,127	7,733	7,657
	2010	9,127	8,251	8,174
	2011	9,127	7,510	7,417
	2012	9,127	7,662	7,587
Denmark	2009	8,698	7,805	7,523
	2010	8,698	7,246	6,985
	2011	8,698	6,817	6,557
	2012	8,698	7,639	7,428
Finland	2009	12,893	15,167	14,867
	2010	12,893	14,212	13,915
	2011	12,996	15,055	14,807
	2012	12,996	14,415	14,302
France	2009	98,936	78,960	78,298
	2010	91,961	72,582	71,906
	2011	85,725	72,837	72,226
	2012	87,153	61,906	61,397
Germany	2009	120,233	110,003	107,713
	2010	120,582	103,623	101,450
	2011	120,557	101,977	99,740
	2012	112,082	102,874	100,742
Greece	2009	21,097	21,507	21,293
	2010	21,097	22,223	22,197
	2011	21,097	19,355	19,253
	2012	21,097	23,917	23,890
Hungary	2009	8,030	7,658	7,550
	2010	8,030	8,536	8,475
	2011	8,030	8,264	8,234
	2012	8,030	7,862	7,818

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Ireland	2009	3,541	2,821	2,737
	2010	3,541	2,905	2,880
	2011	3,541	2,949	2,868
	2012	3,541	3,115	2,979
Italy	2009	116,570	87,103	86,478
	2010	116,570	90,795	90,131
	2011	116,570	86,065	85,642
	2012	109,488	82,020	81,598
Lithuania	2009	9,474	8,719	8,646
	2010	9,474	9,288	9,196
	2011	9,474	9,468	9,376
	2012	9,474	9,059	8,977
Netherlands	2009	60,135	58,230	57,349
	2010	60,280	58,710	58,334
	2011	59,679	58,286	57,212
	2012	59,585	57,543	56,877
Norway	2009	15,910	15,402	14,969
	2010	15,910	14,561	14,050
	2011	15,910	15,795	15,686
	2012	15,910	15,641	15,023
Poland	2009	24,586	22,524	22,007
	2010	24,586	24,348	23,563
	2011	24,586	25,738	24,851
	2012	24,586	26,767	25,700
Portugal	2009	15,171	11,314	11,314
	2010	15,171	11,914	11,912
	2011	15,171	10,820	10,820
	2012	15,171	11,494	11,493
Republic of Moldova	2009	..	17	21
	2010	..	11	21
	2011	..	12	19
	2012	..	10	18
Romania	2009	25,763	12,196	12,196
	2010	26,797	10,968	10,968
	2011	26,797	10,446	10,445
	2012	26,797	9,850	9,850
Russian Federation	2009	270,748	239,115	227,927
	2010	270,868	249,997	244,619
	2011	270,868	260,057	248,339
	2012	274,314	274,310	253,725
Serbia	2009	10,715	2,905	2,883
	2010	10,715	2,891	2,890
	2011	10,715	2,462	2,462
	2012	10,715	2,260	2,260
Slovakia	2009	5,736	6,381	6,355
	2010	5,736	6,118	6,087
	2011	5,736	6,690	6,662
	2012	5,736	5,907	5,877
Slovenia	2009	674	..	..
	2010	674	..	..
	2011	674	..	..
	2012	674	..	..

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Spain	2009	63,416	57,737	57,224
	2010	63,416	58,154	57,644
	2011	63,416	57,152	56,649
	2012	63,416	61,892	61,346
Sweden	2009	21,796	20,663	20,248
	2010	21,796	21,231	20,769
	2011	21,796	19,914	19,622
	2012	21,796	22,105	21,410
Switzerland	2009	6,584	4,861	4,816
	2010	6,584	4,546	4,513
	2011	3,591	4,441	4,407
	2012	3,591	3,454	3,424
T.F.Yug.Rep. Macedonia	2009	2,494	1,008	964
	2010	2,494	875	828
	2011	2,494	725	680
	2012	2,494	267	244
Ukraine	2009	43,878	12,032	11,662
	2010	43,878	11,787	11,103
	2011	43,878	9,641	9,353
	2012	43,878	5,073	4,968
United Kingdom	2009	93,076	75,226	74,893
	2010	88,088	73,550	72,868
	2011	88,138	75,061	74,496
	2012	83,795	68,923	68,751
Oceania	2009	43,104	37,600	37,196
	2010	44,721	37,053	36,140
	2011	44,870	38,915	37,983
	2012	44,895	38,384	36,173
Australia	2009	36,146	31,748	31,396
	2010	37,763	30,928	30,099
	2011	37,913	32,588	31,708
	2012	37,938	31,757	29,620
New Zealand	2009	5,337	5,037	5,037
	2010	5,337	5,170	5,151
	2011	5,337	5,372	5,370
	2012	5,337	5,577	5,577
Papua New Guinea	2009	1,621	815	763
	2010	1,621	955	890
	2011	1,621	955	905
	2012	1,621	1,050	976

Table 17

Production, trade and supply of liquefied petroleum gas (LPG)

Thousand metric tons and kilograms per capita

Table Notes

Production includes output from refineries and plants. Starting with the 2011 edition, Ethane is no longer included with liquefied petroleum gas.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification.

Figure 45: World LPG production by region, 1990-2012

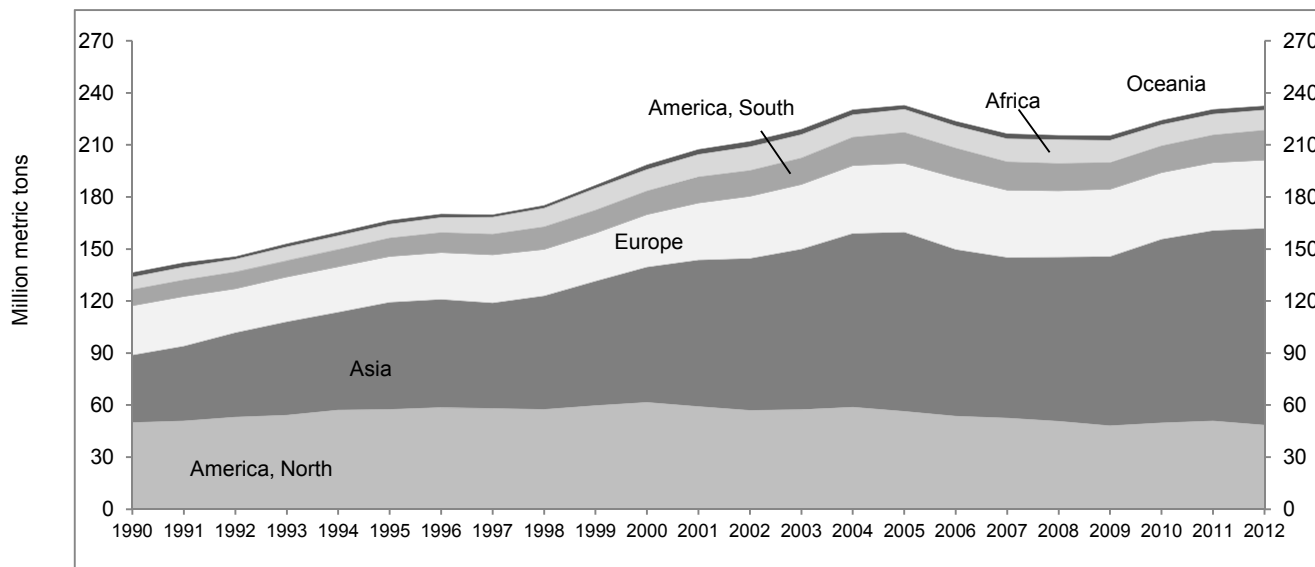


Figure 46: Major LPG producing countries, 2012

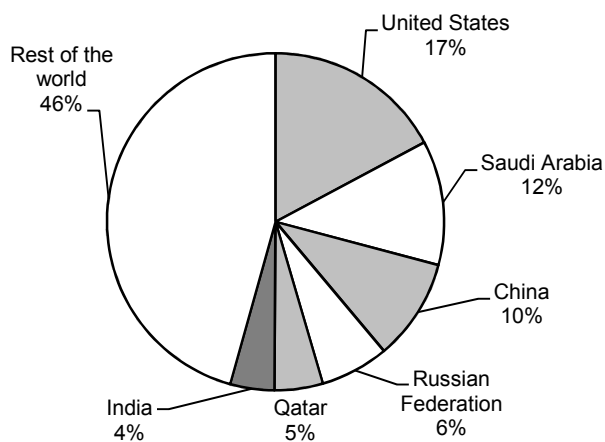


Figure 47: Major LPG consuming countries, 2012

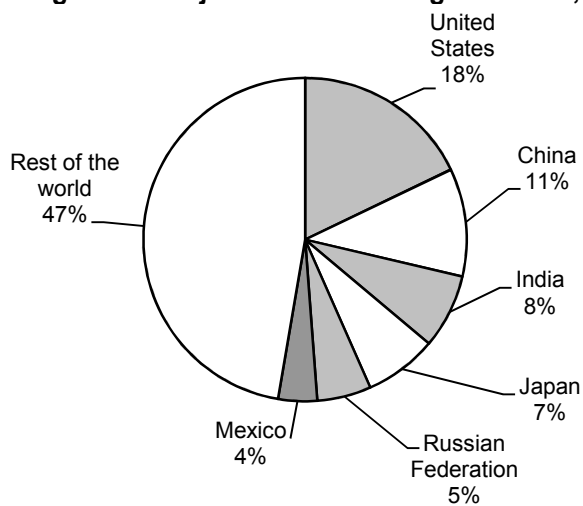


Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
World	2009	215,367	64,733	67,835	-1,957	214,222	31
	2010	224,219	69,049	73,156	-904	221,015	32
	2011	230,472	76,873	77,428	1,352	228,564	33
	2012	232,632	77,749	77,333	1,707	231,341	33
Africa	2009	12,849	5,431	7,550	-120	10,850	11
	2010	12,201	5,418	6,558	-245	11,305	11
	2011	11,972	5,451	6,518	-261	11,166	11
	2012	11,596	5,624	6,150	-296	11,367	10
Algeria	2009	8,819	..	6,818	0	2,001	55
	2010	8,162	..	5,922	-6	2,246	61
	2011	8,014	..	6,019	2	1,993	53
	2012	7,429	..	5,505	-18	1,942	50
Angola	2009	649	..	449	..	200	11
	2010	579	..	433	..	146	7
	2011	594	..	444	..	150	7
	2012	599	..	448	..	151	7
Benin	2009	..	15	4	2	9	1
	2010	..	15	4	2	9	1
	2011	..	16	4	0	12	1
	2012	..	17	4	0	13	1
Botswana	2009	..	29	..	..	29	15
	2010	..	31	..	..	31	16
	2011	..	33	..	..	33	17
	2012	..	34	..	..	34	17
Burkina Faso	2009	..	21	..	*-3	24	2
	2010	..	27	..	0	27	2
	2011	..	37	..	0	37	2
	2012	..	46	..	0	46	3
Burundi	2009	..	*2	..	..	*2	0
	2010	..	*2	..	..	*2	0
	2011	..	*2	..	..	*2	0
	2012	..	*2	..	..	*2	0
Cabo Verde	2009	..	13	..	..	13	27
	2010	..	11	..	..	11	22
	2011	..	11	..	..	11	23
	2012	..	12	..	..	12	24
Cameroon	2009	15	37	1	..	51	3
	2010	20	36	0	..	56	3
	2011	19	37	0	..	56	3
	2012	19	38	0	..	57	3
Chad	2009	..	*1	..	..	*1	0
	2010	..	*1	..	..	*1	0
	2011	..	*1	..	..	*1	0
	2012	..	*1	..	..	*1	0
Congo	2009	9	2	..	..	11	3
	2010	12	2	..	3	11	3
	2011	7	4	..	0	11	3
	2012	10	1	..	0	11	3
Côte d'Ivoire	2009	30	100	11	-6	125	7
	2010	19	117	9	-2	129	7
	2011	12	85	2	0	95	5
	2012	13	104	2	0	115	6

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Djibouti	2009	..	*20	..	..	*20	*24
	2010	..	*20	..	..	*20	*24
	2011	..	*20	..	..	*20	*24
	2012	..	*20	..	..	*20	*23
Egypt	2009	1,820	2,456	..	-124	4,400	57
	2010	1,896	2,286	..	-211	4,393	56
	2011	1,980	2,184	..	-178	4,342	55
	2012	1,996	2,077	..	-173	4,246	53
Equatorial Guinea	2009	..	*20	..	..	*20	*30
	2010	..	*20	..	..	*20	*29
	2011	..	*20	..	..	*20	*28
	2012	..	*21	..	..	*21	*29
Eritrea	2009	..	4	..	..	4	1
	2010	..	2	..	..	2	0
	2011	..	2	..	..	2	0
	2012	..	2	..	..	2	0
Ethiopia	2009	..	8	..	..	8	0
	2010	..	8	..	..	8	0
	2011	..	5	..	..	5	0
	2012	..	5	..	..	5	0
Gabon	2009	14	10	..	..	24	16
	2010	15	11	..	..	26	17
	2011	15	11	..	..	26	16
	2012	14	10	..	..	24	15
Gambia	2009	..	3	..	..	3	2
	2010	..	*3	..	..	*3	*2
	2011	..	*3	..	..	*3	*2
	2012	..	*3	..	..	*3	*2
Ghana	2009	14	151	1	..	164	7
	2010	32	148	0	..	180	7
	2011	45	178	0	..	222	9
	2012	27	242	0	..	268	11
Guinea-Bissau	2009	..	*2	..	..	*2	*1
	2010	..	*2	..	..	*2	*2
	2011	..	*3	..	..	*3	*2
	2012	..	*3	..	..	*3	*2
Kenya	2009	45	40	3	..	82	2
	2010	59	47	3	..	103	3
	2011	28	63	0	..	91	2
	2012	17	77	0	..	94	2
Lesotho	2009	..	8	..	..	8	4
	2010	..	6	..	..	6	3
	2011	..	*9	..	..	*9	*4
	2012	..	*11	..	..	*11	*5
Liberia	2009	..	*3	..	..	*3	*1
	2010	..	*3	..	..	*3	*1
	2011	..	*3	..	..	*3	*1
	2012	..	*3	..	..	*3	*1
Libya	2009	576	..	250	..	326	55
	2010	504	..	173	..	331	55
	2011	331	..	35	..	296	48
	2012	446	..	153	..	293	48

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Madagascar	2009	..	7	..	0	7	0
	2010	..	6	..	-1	7	0
	2011	..	8	..	1	7	0
	2012	..	9	..	1	8	0
Malawi	2009	..	*2	..	..	*2	0
	2010	..	*2	..	..	*2	0
	2011	..	*2	..	..	*2	0
	2012	..	*2	..	..	*2	0
Mauritania	2009	..	47	..	..	47	13
	2010	..	25	..	..	25	7
	2011	..	47	..	..	47	13
	2012	..	46	..	..	46	12
Mauritius	2009	..	63	..	-1	64	52
	2010	..	63	..	-2	65	53
	2011	..	66	..	0	66	53
	2012	..	68	..	1	67	54
Morocco	2009	102	1,813	..	20	1,895	61
	2010	22	1,921	..	-31	1,974	62
	2011	38	1,946	..	-86	2,070	65
	2012	115	2,050	..	-110	2,275	70
Mozambique	2009	..	15	..	..	15	1
	2010	..	14	..	..	14	1
	2011	..	15	..	..	15	1
	2012	..	17	..	..	17	1
Namibia	2009	..	9	..	..	9	4
	2010	..	10	..	..	10	5
	2011	..	8	..	..	8	4
	2012	..	6	..	..	6	3
Niger	2009	..	2	..	0	2	0
	2010	..	3	..	0	3	0
	2011	3	0	0	0	3	0
	2012	37	0	*32	0	5	0
Nigeria	2009	30	..	..	..	30	0
	2010	84	..	..	..	84	1
	2011	129	..	..	..	129	1
	2012	104	..	..	..	104	1
Réunion	2009	..	21	..	-2	23	28
	2010	..	23	..	1	23	27
	2011	..	23	..	-2	24	29
	2012	..	23	..	1	23	26
Sao Tome and Principe	2009	..	0	..	..	0	1
	2010	..	0	..	..	0	1
	2011	..	0	..	..	0	*1
	2012	..	0	..	..	0	*1
Senegal	2009	3	125	1	0	127	10
	2010	3	114	2	1	114	9
	2011	2	131	2	0	131	10
	2012	1	157	2	0	156	11
Seychelles	2009	..	3	..	..	3	38
	2010	..	4	..	..	4	41
	2011	..	2	..	..	2	25
	2012	..	4	..	..	4	47

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Somalia	2009	0	*6	0	..	*6	*1
	2010	0	*6	0	..	*6	*1
	2011	0	*3	0	..	*3	0
	2012	0	*6	0	..	*6	*1
South Africa	2009	245	..	..	..	245	5
	2010	274	..	..	..	274	5
	2011	315	..	..	..	315	6
	2012	295	..	..	..	295	6
Sudan	2009	338	9	11	..	336	8
	2010	394	41	12	..	423	9
	2011	298	88	9	..	377	8
	2012	306	130	3	..	433	9
Swaziland	2009	..	*7	..	..	*7	*6
	2010	..	*7	..	..	*7	*6
	2011	..	*7	..	..	*7	*5
	2012	..	*7	..	..	*7	*5
Togo	2009	..	4	..	..	4	1
	2010	..	5	..	..	5	1
	2011	..	6	..	..	6	1
	2012	..	7	..	..	7	1
Tunisia	2009	137	335	..	-6	478	45
	2010	124	349	..	2	471	44
	2011	138	337	..	2	473	44
	2012	164	319	..	2	481	44
Uganda	2009	..	*5	..	..	*5	0
	2010	..	*4	..	..	*4	0
	2011	..	6	..	..	6	0
	2012	..	*7	..	..	*7	0
United Rep. of Tanzania	2009	..	8	..	..	8	0
	2010	..	18	..	..	18	0
	2011	..	26	..	..	26	1
	2012	..	33	..	..	33	1
Zambia	2009	3	..	1	..	2	0
	2010	2	..	0	..	2	0
	2011	4	..	3	..	1	0
	2012	4	..	1	..	3	0
Zimbabwe	2009	..	4	..	..	4	0
	2010	..	4	..	..	4	0
	2011	..	4	..	..	4	0
	2012	..	4	..	..	4	0
America, North	2009	48,141	6,276	1,638	-15	52,794	97
	2010	49,647	6,591	1,823	-10	54,424	99
	2011	50,766	6,469	1,809	591	54,835	99
	2012	48,483	7,262	1,684	-28	54,090	97
Anguilla	2009	..	5	..	..	5	368
	2010	..	5	..	..	5	392
	2011	..	5	..	..	5	380
	2012	..	6	..	..	6	389
Antigua and Barbuda	2009	..	*3	..	..	*3	*38
	2010	..	*3	..	..	*3	*34
	2011	..	*3	..	..	*3	*36
	2012	..	*3	..	..	*3	*37

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Aruba	2009	..	*9	..	..	*9	*92
	2010	..	*9	..	..	*9	*91
	2011	..	*10	..	..	*10	*97
	2012	..	*10	..	..	*10	*94
Bahamas	2009	..	7	..	..	7	20
	2010	..	8	..	..	8	22
	2011	..	10	..	..	10	27
	2012	..	9	..	..	9	24
Barbados	2009	1	12	..	..	13	47
	2010	0	13	..	..	13	46
	2011	0	8	..	..	8	30
	2012	0	9	..	..	9	33
Belize	2009	*2	*12	..	..	*14	*48
	2010	2	12	..	..	14	44
	2011	*2	*11	..	..	*13	*42
	2012	*2	*11	..	..	*13	*40
Bermuda	2009	..	5	..	..	5	71
	2010	..	*2	..	..	*2	*31
	2011	..	0	..	..	0	1
	2012	..	1	..	..	1	21
Canada	2009	1,738	181	259	-40	1,700	50
	2010	1,845	190	386	24	1,625	48
	2011	1,726	379	419	30	1,656	48
	2012	1,548	622	506	108	1,556	45
Cayman Islands	2009	..	2	..	..	2	37
	2010	..	2	..	..	2	36
	2011	..	4	..	..	4	71
	2012	..	3	..	..	3	52
Costa Rica	2009	4	103	..	0	107	23
	2010	4	108	..	-1	113	24
	2011	1	115	..	-1	118	25
	2012	0	124	..	3	121	25
Cuba	2009	46	74	..	..	120	11
	2010	59	89	..	..	148	13
	2011	50	93	..	..	143	13
	2012	42	107	..	..	149	13
Dominica	2009	..	*2	..	..	*2	*28
	2010	..	*2	..	..	*2	*28
	2011	..	*2	..	..	*2	*28
	2012	..	*2	..	..	*2	*28
Dominican Republic	2009	27	813	..	0	841	85
	2010	30	792	..	6	816	81
	2011	23	728	..	-1	751	74
	2012	16	716	..	2	729	71
El Salvador	2009	14	237	0	6	245	40
	2010	13	233	1	0	245	39
	2011	12	188	4	-15	211	34
	2012	6	262	51	-26	243	39
Greenland	2009	..	0	..	..	0	2
	2010	..	0	..	..	0	2
	2011	..	0	..	..	0	2
	2012	..	0	..	..	0	1

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Grenada	2009	..	5	..	..	5	45
	2010	..	5	..	..	5	43
	2011	..	5	..	..	5	43
	2012	..	5	..	..	5	43
Guadeloupe	2009	..	*14	..	..	*14	*31
	2010	..	*14	..	..	*14	*31
	2011	..	*14	..	..	*14	*30
	2012	..	*14	..	..	*14	*30
Guatemala	2009	..	312	89	-9	232	17
	2010	..	343	98	3	242	17
	2011	..	351	104	-12	259	18
	2012	..	371	103	-10	278	18
Haiti	2009	..	12	..	..	12	1
	2010	..	3	..	..	3	0
	2011	..	10	..	..	10	1
	2012	..	13	..	..	13	1
Honduras	2009	..	362	304	15	43	6
	2010	..	420	347	-1	74	10
	2011	..	366	296	-14	84	11
	2012	..	468	365	0	103	13
Jamaica	2009	10	73	..	8	75	27
	2010	7	70	..	2	76	28
	2011	11	72	..	1	81	29
	2012	9	76	..	1	85	31
Martinique	2009	*20	*3	*11	..	*12	*30
	2010	*19	*3	*12	..	*10	*24
	2011	*21	*3	*12	..	*11	*28
	2012	*21	*3	*12	..	*12	*29
Mexico	2009	6,536	2,802	34	0	9,304	80
	2010	6,576	2,758	3	10	9,321	79
	2011	6,482	2,691	46	53	9,074	76
	2012	6,098	2,917	0	2	9,013	75
Netherlands Antilles	2009	60	70	27	..	103	510
	2010	25	71	21	..	75	361
	2011	49	72	41	..	80	375
	2012	51	72	43	..	80	366
Nicaragua	2009	12	52	..	3	61	11
	2010	15	56	..	1	70	12
	2011	17	57	..	1	73	12
	2012	9	73	..	-1	83	14
Panama	2009	..	145	..	-9	154	43
	2010	..	173	0	-15	188	51
	2011	..	152	0	-1	153	41
	2012	..	158	0	-1	159	42
St. Lucia	2009	..	*6	..	..	*6	*35
	2010	..	*6	..	..	*6	*35
	2011	..	*6	..	..	*6	*33
	2012	..	*6	..	..	*6	*33
St. Vincent-Grenadines	2009	..	*5	..	..	*5	*46
	2010	..	*5	..	..	*5	*46
	2011	..	*6	..	..	*6	*55
	2012	..	*6	..	..	*6	*55

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Trinidad and Tobago	2009	1,003	..	914	-7	96	73
	2010	1,035	..	955	28	52	39
	2011	932	..	887	16	29	22
	2012	708	..	603	90	15	11
United States	2009	38,668	949	..	18	39,599	128
	2010	40,016	1,196	..	-67	41,279	132
	2011	41,441	1,108	..	534	42,015	133
	2012	39,973	1,195	..	-197	41,365	130
America, South	2009	15,474	3,276	3,409	32	15,310	39
	2010	15,502	3,517	3,060	17	15,942	40
	2011	15,986	3,668	3,544	-17	16,127	40
	2012	17,450	3,284	3,423	35	17,276	43
Argentina	2009	3,060	..	1,535	0	1,525	38
	2010	2,907	..	1,214	66	1,627	40
	2011	2,305	..	1,186	-57	1,176	29
	2012	2,775	..	919	7	1,849	45
Bolivia (Plur. State of)	2009	341	3	..	..	344	34
	2010	335	21	..	..	356	35
	2011	328	34	..	..	362	35
	2012	328	39	..	..	367	35
Brazil	2009	5,001	1,380	11	9	6,361	33
	2010	5,110	1,685	4	-30	6,821	35
	2011	5,101	1,829	23	6	6,901	35
	2012	5,437	1,540	17	53	6,907	35
Chile	2009	269	927	32	-12	1,176	69
	2010	394	802	13	25	1,158	68
	2011	350	762	0	-6	1,118	65
	2012	593	755	2	-17	1,363	78
Colombia	2009	634	31	10	0	655	14
	2010	562	29	7	0	584	13
	2011	*630	18	15	0	*633	*13
	2012	*652	0	57	0	*595	*12
Ecuador	2009	253	783	..	3	1,033	70
	2010	242	811	..	5	1,048	70
	2011	218	839	..	56	1,001	66
	2012	231	777	..	-27	1,035	67
French Guiana	2009	..	4	..	..	4	18
	2010	..	*4	..	..	*4	*17
	2011	..	*4	..	..	*4	*17
	2012	..	*4	..	..	*4	*17
Guyana	2009	..	13	..	0	13	17
	2010	..	14	..	-1	14	18
	2011	..	18	..	-1	19	24
	2012	..	16	..	-1	16	21
Paraguay	2009	..	85	..	-1	85	13
	2010	..	82	..	0	82	13
	2011	..	86	..	0	86	13
	2012	..	88	..	0	88	13
Peru	2009	1,289	0	256	32	1,001	35
	2010	1,439	0	375	-50	1,114	38
	2011	1,406	0	176	-13	1,243	42
	2012	1,517	1	128	20	1,370	46

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Suriname	2009	..	24	..	0	24	46
	2010	..	15	..	0	15	28
	2011	..	15	..	0	15	29
	2012	..	16	..	0	16	30
Uruguay	2009	86	27	3	0	110	33
	2010	71	54	8	1	116	34
	2011	57	63	2	-2	120	35
	2012	76	49	0	0	125	37
Venezuela(Bolivar. Rep.)	2009	4,541	..	1,562	..	2,979	104
	2010	4,442	..	1,439	..	3,003	103
	2011	5,591	..	2,142	..	3,449	117
	2012	5,841	..	2,300	..	3,541	118
Asia	2009	97,518	33,272	39,647	-1,805	92,947	23
	2010	105,954	36,592	45,605	-744	97,685	23
	2011	109,756	43,493	49,323	587	103,340	25
	2012	113,484	44,379	49,442	1,918	106,503	25
Armenia	2009	..	8	0	..	8	3
	2010	..	8	*1	..	7	2
	2011	..	7	0	..	7	3
	2012	..	7	0	..	7	2
Azerbaijan	2009	193	..	111	-5	87	10
	2010	240	..	156	-5	89	10
	2011	250	..	109	2	139	15
	2012	215	..	90	-2	127	14
Bahrain	2009	258	..	207	3	48	40
	2010	301	..	231	22	48	38
	2011	300	..	255	-4	49	38
	2012	293	..	221	20	52	39
Bangladesh	2009	10	..	..	..	10	0
	2010	16	..	..	..	16	0
	2011	19	..	..	..	19	0
	2012	21	..	..	..	21	0
Bhutan	2009	..	*6	..	..	*6	*9
	2010	..	7	..	..	7	10
	2011	..	7	..	..	7	10
	2012	..	8	..	..	8	10
Brunei Darussalam	2009	15	..	..	..	15	38
	2010	14	..	..	..	14	35
	2011	15	..	..	..	15	37
	2012	16	..	..	..	16	39
Cambodia	2009	..	41	..	..	41	3
	2010	..	44	..	..	44	3
	2011	..	104	..	..	104	7
	2012	..	110	..	..	110	7
China	2009	18,317	4,080	849	-29	21,577	16
	2010	20,455	3,270	930	25	22,770	17
	2011	21,263	3,496	1,191	-30	23,598	17
	2012	22,687	3,585	1,282	30	24,960	18
China, Hong Kong SAR	2009	..	383	1	-58	440	63
	2010	..	389	0	-9	398	56
	2011	..	400	0	0	400	56
	2012	..	391	0	-4	395	55

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
China, Macao SAR	2009	..	39	..	0	39	74
	2010	..	40	..	0	40	75
	2011	..	*43	..	0	*43	*79
	2012	..	*44	..	0	*44	*78
Cyprus	2009	..	50	..	-1	51	47
	2010	..	51	..	2	49	44
	2011	..	54	..	-1	55	49
	2012	..	53	..	1	52	46
Georgia	2009	..	10	0	..	10	2
	2010	..	17	0	..	17	4
	2011	..	19	0	-2	21	5
	2012	..	18	0	0	18	4
India	2009	8,091	2,718	131	-1,484	12,162	10
	2010	7,538	4,484	154	-1,926	13,794	11
	2011	9,547	8,534	174	452	17,455	14
	2012	9,824	8,176	200	563	17,237	14
Indonesia	2009	2,180	52	154	0	2,078	9
	2010	2,483	1,622	224	0	3,881	16
	2011	2,286	1,992	0	-69	4,347	18
	2012	2,493	2,574	0	36	5,031	20
Iran(Islamic Rep. of)	2009	5,741	285	2,971	..	3,055	42
	2010	6,276	235	3,523	..	2,988	40
	2011	6,491	184	3,576	..	3,099	41
	2012	5,577	154	2,604	..	3,128	41
Iraq	2009	1,214	272	..	..	1,486	49
	2010	1,359	206	..	..	1,565	51
	2011	1,394	176	..	-34	1,604	50
	2012	1,336	398	..	130	1,604	49
Israel	2009	518	235	124	..	629	86
	2010	565	215	122	..	658	89
	2011	569	225	123	..	671	89
	2012	498	275	129	..	644	84
Japan	2009	4,525	11,799	18	-528	16,834	132
	2010	4,320	12,511	38	158	16,635	131
	2011	3,934	12,675	85	-45	16,569	130
	2012	4,014	13,195	33	337	16,839	132
Jordan	2009	109	240	..	5	343	55
	2010	87	223	..	-4	314	49
	2011	86	295	..	-6	387	57
	2012	105	295	..	12	387	55
Kazakhstan	2009	1,732	12	1,433	2	309	20
	2010	2,129	4	1,756	33	344	22
	2011	2,028	3	1,660	-68	439	27
	2012	2,056	7	1,682	32	349	21
Korea, Republic of	2009	3,026	5,534	8	-207	8,759	182
	2010	2,973	6,233	79	226	8,901	184
	2011	1,579	6,410	78	51	7,860	161
	2012	1,487	6,234	153	-261	7,829	160
Kuwait	2009	3,442	..	3,064	..	378	133
	2010	4,078	..	3,706	..	372	124
	2011	4,428	..	4,081	..	347	111
	2012	4,896	..	4,492	..	404	124

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Kyrgyzstan	2009	..	7	..	..	7	1
	2010	..	12	..	..	12	2
	2011	..	11	..	..	11	2
	2012	..	11	..	..	11	2
Lao People's Dem. Rep.	2009	..	*20	..	..	*20	*3
	2010	..	*20	..	..	*20	*3
	2011	..	*20	..	..	*20	*3
	2012	..	*21	..	..	*21	*3
Lebanon	2009	..	199	..	..	199	47
	2010	..	164	..	..	164	38
	2011	..	197	..	..	197	44
	2012	..	243	..	..	243	52
Malaysia	2009	*3,256	*362	*1,395	0	*2,223	*80
	2010	3,117	*423	669	266	2,605	92
	2011	3,045	494	911	1	2,627	91
	2012	2,725	411	399	-9	2,746	94
Maldives	2009	..	12	..	..	12	36
	2010	..	12	..	..	12	36
	2011	..	12	..	..	12	35
	2012	..	10	..	..	10	30
Myanmar	2009	12	..	..	4	8	0
	2010	13	..	..	-4	17	0
	2011	10	4	..	0	14	0
	2012	16	0	..	0	16	0
Nepal	2009	..	141	..	..	141	5
	2010	..	159	..	..	159	6
	2011	..	181	..	..	181	7
	2012	..	207	..	..	207	8
Oman	2009	604	..	525	..	79	30
	2010	531	..	451	..	80	29
	2011	626	..	531	..	95	31
	2012	586	..	488	..	98	30
Other Asia	2009	1,584	1,168	148	81	2,523	109
	2010	1,455	899	93	-18	2,279	98
	2011	1,048	1,121	31	35	2,103	91
	2012	1,178	743	91	11	1,819	78
Pakistan	2009	485	68	..	..	553	3
	2010	432	60	..	..	492	3
	2011	386	80	..	..	466	3
	2012	*340	*92	..	..	*432	*2
Philippines	2009	282	826	0	19	1,089	12
	2010	361	752	1	16	1,096	12
	2011	386	720	6	-19	1,120	12
	2012	351	744	0	-2	1,096	11
Qatar	2009	6,127	..	5,504	..	623	398
	2010	8,760	..	8,175	..	585	334
	2011	10,360	..	9,689	..	671	351
	2012	10,820	..	9,999	..	821	400
Saudi Arabia	2009	22,899	138	18,729	-1	4,309	161
	2010	24,774	0	21,324	-6	3,456	127
	2011	26,006	0	22,501	13	3,492	126
	2012	27,798	0	23,097	1	4,700	166

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Singapore	2009	315	6	196	..	125	25
	2010	215	5	97	..	123	24
	2011	275	11	268	..	18	3
	2012	368	9	405	..	-28	-5
Sri Lanka	2009	24	146	..	..	170	8
	2010	23	137	..	..	160	8
	2011	24	181	..	..	205	10
	2012	17	193	..	..	210	10
State of Palestine	2009	..	125	..	..	125	32
	2010	..	122	..	..	122	30
	2011	..	123	..	..	123	30
	2012	..	126	..	..	126	30
Syrian Arab Republic	2009	446	404	..	..	850	40
	2010	455	420	..	..	875	41
	2011	444	414	..	..	858	39
	2012	324	362	..	..	686	31
Tajikistan	2009	..	38	..	..	38	5
	2010	..	39	..	..	39	5
	2011	..	68	..	..	68	9
	2012	..	175	..	..	175	22
Thailand	2009	5,101	0	16	436	4,649	70
	2010	5,868	9	26	474	5,377	81
	2011	5,421	1,437	16	314	6,528	98
	2012	*5,669	1,730	10	970	*6,419	*96
Turkey	2009	604	3,075	88	-43	3,634	51
	2010	652	3,097	67	6	3,676	51
	2011	739	3,048	105	-3	3,685	50
	2012	775	2,993	88	53	3,627	49
Turkmenistan	2009	534	..	..	..	534	107
	2010	618	..	..	..	618	123
	2011	868	..	..	..	868	170
	2012	894	..	..	..	894	173
United Arab Emirates	2009	4,739	..	3,955	..	784	102
	2010	4,526	..	3,762	..	764	91
	2011	4,736	..	3,918	..	818	92
	2012	4,760	..	3,961	..	799	87
Uzbekistan	2009	26	..	..	..	26	1
	2010	22	..	..	..	22	1
	2011	21	..	..	..	21	1
	2012	19	..	..	..	19	1
Viet Nam	2009	373	775	..	..	1,148	13
	2010	563	704	..	..	1,267	14
	2011	588	748	..	..	1,336	15
	2012	656	*787	..	..	*1,443	*16
Yemen	2009	735	..	20	..	715	32
	2010	736	..	20	..	716	31
	2011	585	..	16	..	569	24
	2012	670	..	18	..	652	27
Europe	2009	38,693	15,820	14,233	-33	40,313	55
	2010	38,338	16,335	14,589	57	40,027	54
	2011	39,239	17,275	14,870	508	41,135	55
	2012	39,189	16,605	15,454	29	40,310	54

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Albania	2009	..	93	..	..	93	30
	2010	..	110	..	..	110	35
	2011	..	101	..	..	101	32
	2012	..	88	..	..	88	28
Andorra	2009	..	*3	..	..	*3	*33
	2010	..	*3	..	..	*3	*35
	2011	..	*3	..	..	*3	*33
	2012	..	*3	..	..	*3	*33
Austria	2009	92	99	8	0	183	22
	2010	87	114	11	1	189	22
	2011	101	91	29	0	163	19
	2012	70	80	22	0	128	15
Belarus	2009	417	25	230	-23	235	25
	2010	413	56	240	6	223	23
	2011	462	1	233	2	228	24
	2012	532	6	297	25	216	23
Belgium	2009	463	1,403	839	2	1,025	94
	2010	517	1,504	989	16	1,016	93
	2011	570	1,788	919	-4	1,443	131
	2012	480	1,611	736	6	1,349	122
Bosnia and Herzegovina	2009	25	63	3	..	85	22
	2010	29	51	2	..	78	20
	2011	25	55	0	..	80	21
	2012	23	56	0	..	79	21
Bulgaria	2009	155	268	28	-5	400	54
	2010	120	278	16	1	381	52
	2011	118	268	13	7	366	50
	2012	119	287	20	-5	391	54
Croatia	2009	355	17	186	2	184	42
	2010	302	14	156	-3	163	38
	2011	266	14	127	3	150	35
	2012	281	14	146	2	147	34
Czech Republic	2009	203	81	120	0	164	16
	2010	215	69	128	-3	159	15
	2011	195	74	109	4	156	15
	2012	200	78	112	-2	168	16
Denmark	2009	140	5	96	-3	52	9
	2010	152	7	110	-1	50	9
	2011	132	8	94	0	46	8
	2012	169	5	117	1	56	10
Estonia	2009	..	7	..	0	7	5
	2010	..	8	..	0	8	6
	2011	..	9	..	2	7	5
	2012	..	8	..	-2	10	8
Finland	2009	274	224	12	-2	488	91
	2010	246	256	5	-14	511	95
	2011	387	307	1	42	651	121
	2012	256	290	6	-34	574	106
France	2009	2,418	2,596	1,132	-30	3,912	62
	2010	2,100	2,696	1,017	35	3,744	59
	2011	1,877	2,694	1,098	11	3,462	54
	2012	1,466	2,868	1,265	-34	3,103	49

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Germany	2009	2,662	893	412	4	3,139	38
	2010	2,637	901	254	12	3,272	39
	2011	2,612	870	272	38	3,172	38
	2012	2,624	1,088	303	-31	3,440	42
Greece	2009	611	42	240	-2	415	37
	2010	682	9	352	6	333	30
	2011	559	54	240	-4	377	34
	2012	631	53	216	15	453	41
Hungary	2009	352	76	111	-10	327	33
	2010	334	164	93	1	404	40
	2011	300	144	72	8	364	36
	2012	272	165	62	3	372	37
Iceland	2009	..	3	..	..	3	10
	2010	..	3	..	..	3	9
	2011	..	3	..	..	3	9
	2012	..	3	..	..	3	9
Ireland	2009	34	82	9	-8	115	26
	2010	56	102	22	1	135	30
	2011	67	89	30	2	124	27
	2012	73	80	35	0	118	26
Italy	2009	2,113	1,838	391	51	3,509	58
	2010	1,871	2,054	474	24	3,427	57
	2011	2,072	2,018	394	190	3,506	58
	2012	1,541	2,135	391	-161	3,446	57
Latvia	2009	..	106	61	1	44	21
	2010	..	124	79	-1	46	22
	2011	..	139	85	1	53	26
	2012	..	153	81	0	72	35
Lithuania	2009	354	86	154	-5	291	94
	2010	359	108	175	2	290	95
	2011	323	112	162	1	272	89
	2012	299	112	143	-2	270	89
Luxembourg	2009	..	13	3	..	10	20
	2010	..	14	4	..	10	20
	2011	..	10	1	..	9	17
	2012	..	11	1	..	10	19
Malta	2009	..	21	..	1	20	47
	2010	..	22	..	-1	23	54
	2011	..	19	..	0	19	45
	2012	..	22	..	0	22	51
Montenegro	2009	..	18	..	..	18	29
	2010	..	18	..	..	18	29
	2011	..	19	..	..	19	31
	2012	..	17	..	..	17	27
Netherlands	2009	1,403	2,183	1,045	9	2,532	153
	2010	1,426	2,085	1,039	39	2,433	146
	2011	1,544	2,619	1,483	8	2,672	160
	2012	1,551	2,204	1,575	19	2,161	129
Norway	2009	6,161	160	5,399	-64	986	204
	2010	5,577	240	4,358	60	1,399	286
	2011	5,685	173	5,055	-14	817	165
	2012	5,729	183	4,727	45	1,140	228

Table 17**Production, trade and supply of liquefied petroleum gases (LPG)**

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Poland	2009	432	2,015	18	37	2,392	63
	2010	424	1,982	60	-49	2,395	63
	2011	446	2,000	67	11	2,368	62
	2012	539	1,945	114	6	2,364	62
Portugal	2009	326	439	48	-19	736	70
	2010	380	432	65	14	733	69
	2011	318	475	75	11	707	67
	2012	221	431	77	4	571	54
Republic of Moldova	2009	..	61	1	-3	63	17
	2010	..	67	2	-2	67	19
	2011	..	77	1	8	68	19
	2012	..	78	7	-4	75	21
Romania	2009	750	130	251	-1	630	29
	2010	570	111	211	-3	473	22
	2011	582	103	198	1	486	22
	2012	527	84	180	3	428	20
Russian Federation	2009	12,810	7	2,000	25	10,792	75
	2010	13,625	122	3,292	52	10,403	72
	2011	14,167	206	2,573	2	11,798	82
	2012	15,314	147	2,681	298	12,482	87
Serbia	2009	134	257	7	-6	390	40
	2010	128	255	8	3	372	39
	2011	105	315	25	3	392	41
	2012	113	269	9	4	369	39
Slovakia	2009	116	81	0	-3	200	37
	2010	117	45	5	1	156	29
	2011	131	42	9	-1	165	30
	2012	122	51	19	1	153	28
Slovenia	2009	..	93	11	2	80	39
	2010	..	95	9	1	85	41
	2011	..	90	7	3	80	39
	2012	..	81	1	-4	84	41
Spain	2009	1,397	867	245	-21	2,040	45
	2010	1,456	801	228	-23	2,052	44
	2011	1,439	569	249	-33	1,792	39
	2012	1,702	355	300	66	1,691	36
Sweden	2009	278	764	404	29	609	65
	2010	344	905	426	-100	923	98
	2011	271	1,188	255	191	1,013	107
	2012	391	819	571	-181	820	86
Switzerland	2009	204	46	62	0	188	24
	2010	170	50	24	0	196	25
	2011	184	41	45	0	180	23
	2012	119	75	20	0	174	22
T.F.Yug.Rep. Macedonia	2009	28	43	6	1	65	31
	2010	24	41	3	0	63	30
	2011	20	40	4	-1	56	27
	2012	10	51	3	2	55	26
Ukraine	2009	733	99	42	1	789	17
	2010	679	57	0	1	735	16
	2011	665	252	125	4	788	17
	2012	563	307	70	-2	802	18

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
United Kingdom	2009	3,253	513	659	7	3,100	50
	2010	3,298	362	732	-19	2,947	47
	2011	3,616	195	820	12	2,979	48
	2012	3,252	293	1,147	-9	2,407	38
Oceania	2009	2,691	659	1,358	-16	2,007	56
	2010	2,577	597	1,521	21	1,631	45
	2011	2,753	517	1,363	-56	1,962	53
	2012	2,431	594	1,180	49	1,795	48
Australia	2009	2,611	515	1,358	-14	1,782	81
	2010	2,414	545	1,507	18	1,434	64
	2011	2,599	455	1,347	-49	1,756	77
	2012	2,255	524	1,154	46	1,579	69
Fiji	2009	..	16	..	..	16	19
	2010	..	21	..	..	21	24
	2011	..	*21	..	..	*21	*24
	2012	..	*21	..	..	*21	*24
French Polynesia	2009	..	*8	..	..	*8	*30
	2010	..	*8	..	..	*8	*30
	2011	..	*8	..	..	*8	*30
	2012	..	*8	..	..	*8	*29
Kiribati	2009	..	0	..	..	0	2
	2010	..	0	..	..	0	1
	2011	..	0	..	..	0	*1
	2012	..	0	..	..	0	*1
Nauru	2009	..	0	..	..	0	*1
	2010	..	0	..	..	0	*1
	2011	..	0	..	..	0	*1
	2012	..	0	..	..	0	*1
New Caledonia	2009	..	10	..	..	10	41
	2010	..	8	..	..	8	32
	2011	..	10	..	..	10	42
	2012	..	12	..	..	12	45
New Zealand	2009	71	94	0	-2	167	39
	2010	149	8	14	3	140	32
	2011	148	7	16	-7	146	33
	2012	166	14	26	3	151	34
Niue	2009	..	0	..	..	0	*7
	2010	..	0	..	..	0	*7
	2011	..	0	..	..	0	*7
	2012	..	0	..	..	0	*7
Papua New Guinea	2009	9	11	..	..	20	3
	2010	14	2	..	..	16	2
	2011	6	10	..	..	16	2
	2012	10	*10	..	..	20	3
Samoa	2009	..	*1	..	0	*1	*5
	2010	..	*1	..	0	*1	*5
	2011	..	2	..	0	1	7
	2012	..	*2	..	0	*1	*7
Solomon Islands	2009	..	*2	..	..	*2	*3
	2010	..	*2	..	..	*2	*3
	2011	..	*2	..	..	*2	*3
	2012	..	*2	..	..	*2	*3

Table 17**Production, trade and supply of liquefied petroleum gases (LPG)**

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Tonga	2009	..	1	..	..	1	8
	2010	..	1	..	..	1	14
	2011	..	1	..	..	1	13
	2012	..	1	..	..	1	13
Wallis and Futuna Is.	2009	..	0	..	..	0	*18
	2010	..	0	..	..	0	*19
	2011	..	0	..	..	0	*17
	2012	..	0	..	..	0	*19

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Table Notes

Production includes output from refineries and plants, together with quantities from other sources which include any blended biogasoline.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification.

Figure 48: Production of motor gasoline by region, 1990-2012

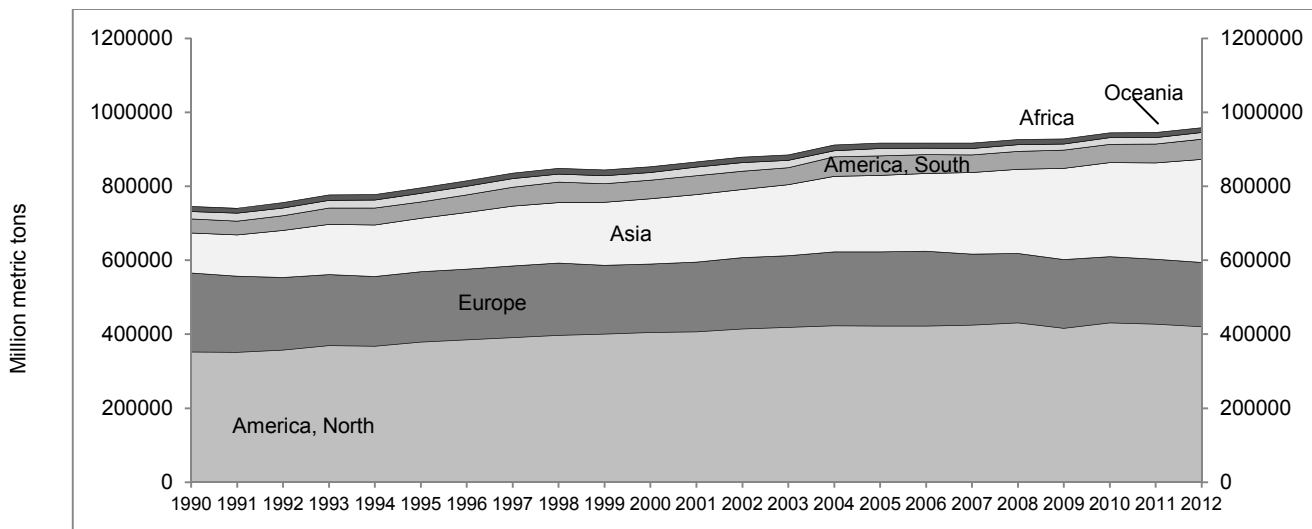


Figure 49: Major motor gasoline producing countries, 2012

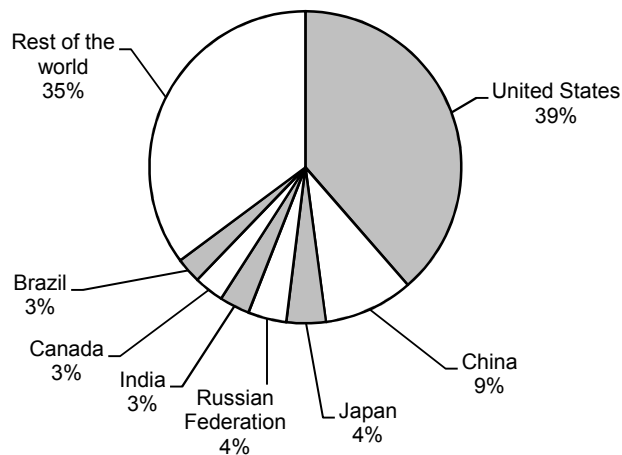


Figure 50: Major motor gasoline consuming countries, 2012

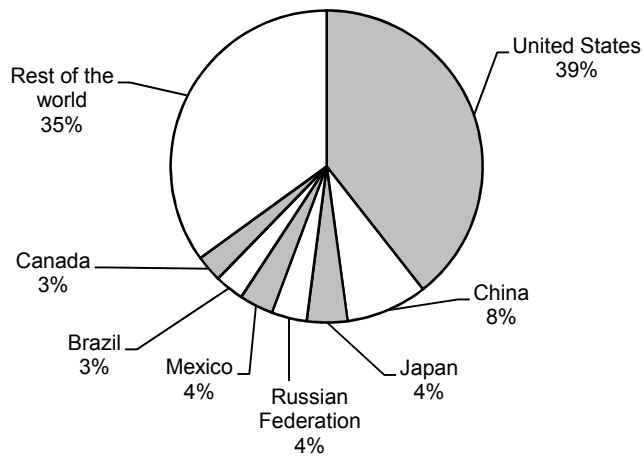


Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
World	2009	928,176	166,205	157,717	6,807	929,857	136
	2010	944,883	172,808	166,327	-3,817	955,181	138
	2011	945,476	176,730	172,771	-504	949,939	136
	2012	958,359	184,771	182,081	2,138	958,910	135
Africa	2009	16,819	17,253	1,534	60	32,478	32
	2010	17,407	19,011	1,373	-71	35,115	34
	2011	18,039	18,888	1,111	-56	35,872	34
	2012	17,879	20,042	1,068	-709	37,562	35
Algeria	2009	2,417	37	97	6	2,351	65
	2010	2,667	0	28	11	2,628	71
	2011	2,568	395	0	-36	2,999	79
	2012	2,273	1,181	0	-31	3,485	91
Angola	2009	42	1,053	4	341	750	40
	2010	65	975	0	2	1,038	53
	2011	63	995	0	1	1,057	52
	2012	75	1,018	0	2	1,091	52
Benin	2009	..	525	13	0	512	55
	2010	..	598	13	0	585	62
	2011	..	619	13	0	606	62
	2012	..	652	14	0	638	63
Botswana	2009	..	335	..	..	335	172
	2010	..	364	..	..	364	185
	2011	..	386	..	..	386	194
	2012	..	402	..	..	402	201
Burkina Faso	2009	..	133	..	*-8	141	9
	2010	..	155	..	0	155	10
	2011	..	167	..	0	167	10
	2012	..	190	..	0	190	12
Burundi	2009	..	23	..	0	23	3
	2010	..	24	..	0	24	3
	2011	..	27	..	0	27	3
	2012	..	31	..	-1	32	3
Cabo Verde	2009	..	8	..	..	8	17
	2010	..	8	..	..	8	17
	2011	..	6	..	..	6	13
	2012	..	6	..	..	6	12
Cameroon	2009	350	64	51	-43	406	20
	2010	383	50	56	-39	416	20
	2011	371	50	65	0	356	17
	2012	364	50	42	0	372	17
Central African Rep.	2009	..	*22	..	..	*22	*5
	2010	..	*23	..	..	*23	*5
	2011	..	*25	..	..	*25	*6
	2012	..	*27	..	..	*27	*6
Chad	2009	..	*9	..	..	*9	*1
	2010	..	*10	..	..	*10	*1
	2011	..	*10	..	..	*10	*1
	2012	..	*10	..	..	*10	*1
Comoros	2009	..	*8	..	..	*8	*12
	2010	..	*9	..	..	*9	*13
	2011	..	*10	..	..	*10	*15
	2012	..	*10	..	..	*10	*14

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Congo	2009	68	36	..	0	104	26
	2010	98	39	..	-5	142	35
	2011	94	65	..	-2	161	38
	2012	136	0	10	0	126	29
Côte d'Ivoire	2009	526	..	583	-200	143	8
	2010	491	..	330	0	161	8
	2011	390	..	251	0	139	7
	2012	559	..	417	0	142	7
Dem. Rep. of the Congo	2009	..	198	..	..	198	3
	2010	..	225	..	..	225	4
	2011	..	242	..	..	242	4
	2012	..	257	..	..	257	4
Djibouti	2009	..	4	..	..	4	5
	2010	..	4	..	..	4	5
	2011	..	4	..	..	4	5
	2012	..	*4	..	..	*4	*5
Egypt	2009	4,384	492	..	..	4,876	64
	2010	4,089	1,065	..	..	5,154	66
	2011	4,476	1,189	..	..	5,665	71
	2012	4,201	1,193	..	..	5,394	67
Equatorial Guinea	2009	..	*23	..	..	*23	*34
	2010	..	*23	..	..	*23	*33
	2011	..	*23	..	..	*23	*32
	2012	..	*23	..	..	*23	*31
Eritrea	2009	..	6	..	-1	7	1
	2010	..	8	..	-1	9	2
	2011	..	9	..	0	9	2
	2012	..	10	..	0	10	2
Ethiopia	2009	..	156	..	-6	162	2
	2010	..	144	..	-8	152	2
	2011	..	156	..	2	154	2
	2012	..	167	..	..	167	2
Gabon	2009	90	..	37	..	53	35
	2010	96	..	39	..	57	37
	2011	96	..	39	..	57	36
	2012	93	..	38	..	55	34
Gambia	2009	..	67	..	..	67	41
	2010	..	*73	..	..	*73	*43
	2011	..	*65	..	..	*65	*37
	2012	..	*70	..	..	*70	*39
Ghana	2009	135	563	72	..	626	26
	2010	338	570	213	..	695	29
	2011	344	713	258	..	799	32
	2012	158	812	54	..	915	36
Guinea	2009	..	177	..	..	177	17
	2010	..	212	..	..	212	19
	2011	..	227	..	..	227	20
	2012	..	241	..	..	241	21
Guinea-Bissau	2009	..	*2	..	..	*2	*1
	2010	..	*2	..	..	*2	*1
	2011	..	*2	..	..	*2	*1
	2012	..	*2	..	..	*2	*1

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Kenya	2009	157	342	3	..	496	12
	2010	181	359	8	..	532	13
	2011	178	384	0	..	562	13
	2012	117	502	0	..	619	14
Lesotho	2009	..	*91	..	..	*91	*46
	2010	..	*112	..	..	*112	*56
	2011	..	*97	..	..	*97	*48
	2012	..	*100	..	..	*100	*49
Liberia	2009	..	59	..	..	59	16
	2010	..	78	..	..	78	20
	2011	..	95	..	..	95	23
	2012	..	92	..	..	92	22
Libya	2009	751	2,156	..	..	2,907	487
	2010	585	2,458	..	..	3,043	504
	2011	569	1,997	..	..	2,566	420
	2012	615	2,819	..	..	3,434	558
Madagascar	2009	..	77	..	-3	79	4
	2010	..	73	..	-8	81	4
	2011	..	86	..	-1	87	4
	2012	..	91	..	6	85	4
Malawi	2009	..	68	..	..	68	5
	2010	..	81	..	..	81	5
	2011	..	72	..	..	72	5
	2012	..	76	..	..	76	5
Mali	2009	..	*71	..	..	*71	*5
	2010	..	*73	..	..	*73	*5
	2011	..	*73	..	..	*73	*5
	2012	..	*74	..	..	*74	*5
Mauritania	2009	..	24	..	..	24	7
	2010	..	25	..	..	25	7
	2011	..	28	..	..	28	8
	2012	..	29	..	..	29	8
Mauritius	2009	..	99	..	-13	112	91
	2010	..	121	..	3	118	96
	2011	..	117	..	-3	120	97
	2012	..	128	..	-2	130	105
Morocco	2009	313	223	..	30	506	16
	2010	328	230	..	8	550	17
	2011	415	142	..	11	546	17
	2012	407	159	..	3	563	17
Mozambique	2009	..	95	..	..	95	4
	2010	..	155	..	..	155	6
	2011	..	168	..	..	168	7
	2012	..	177	..	..	177	7
Namibia	2009	..	291	..	..	291	136
	2010	..	301	..	..	301	138
	2011	..	294	..	..	294	133
	2012	..	315	..	..	315	139
Niger	2009	..	72	..	1	72	5
	2010	0	61	..	-5	66	4
	2011	18	63	0	*13	68	4
	2012	195	0	*94	0	101	6

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Nigeria	2009	364	6,645	..	0	7,009	45
	2010	748	6,962	..	0	7,710	48
	2011	1,277	6,078	..	0	7,355	45
	2012	1,135	5,874	..	-665	7,674	45
Réunion	2009	..	115	..	1	114	137
	2010	..	106	..	-4	110	130
	2011	..	100	..	-9	109	127
	2012	..	100	..	2	98	113
Rwanda	2009	..	*53	..	0	*53	*5
	2010	..	*56	..	0	*56	*5
	2011	..	*65	..	0	*65	*6
	2012	..	74	..	0	74	6
Sao Tome and Principe	2009	..	*7	..	..	*7	*40
	2010	..	7	..	..	7	41
	2011	..	*8	..	..	*8	*41
	2012	..	*8	..	..	*8	*43
Senegal	2009	83	0	1	-2	84	7
	2010	87	37	7	3	114	9
	2011	99	23	2	2	118	9
	2012	75	52	3	1	123	9
Seychelles	2009	..	13	..	..	13	146
	2010	..	19	..	..	19	205
	2011	..	13	..	..	13	143
	2012	..	21	..	..	21	223
Sierra Leone	2009	..	61	..	..	61	11
	2010	..	69	..	..	69	12
	2011	..	77	..	..	77	13
	2012	..	68	..	..	68	11
Somalia	2009	0	*34	..	..	*34	*4
	2010	0	*34	..	..	*34	*4
	2011	0	*30	..	..	*30	*3
	2012	0	*34	..	..	*34	*3
South Africa	2009	5,773	1,450	325	..	6,898	136
	2010	5,856	1,533	321	..	7,068	137
	2011	5,804	1,815	176	..	7,443	143
	2012	6,248	1,124	172	..	7,200	137
St. Helena and Depend.	2009	..	1	..	..	1	125
	2010	..	1	..	..	1	172
	2011	..	1	..	..	1	141
	2012	..	1	..	..	1	157
Sudan	2009	1,112	0	348	0	764	17
	2010	1,239	0	358	0	881	19
	2011	1,130	0	307	0	823	18
	2012	1,071	32	224	0	879	18
Swaziland	2009	..	*88	..	..	*88	*75
	2010	..	*89	..	..	*89	*74
	2011	..	*90	..	..	*90	*74
	2012	..	*92	..	..	*92	*75
Togo	2009	..	216	..	-34	250	41
	2010	..	173	..	-24	197	31
	2011	..	116	..	-53	169	26
	2012	..	125	..	-20	145	22

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Tunisia	2009	125	301	..	-10	436	41
	2010	19	437	..	-4	460	43
	2011	0	527	..	18	509	47
	2012	0	489	..	-4	493	45
Uganda	2009	..	259	..	..	259	8
	2010	..	302	..	..	302	9
	2011	..	354	..	..	354	10
	2012	..	*369	..	..	*369	*10
United Rep. of Tanzania	2009	..	239	..	..	239	5
	2010	..	305	..	..	305	7
	2011	..	392	..	..	392	8
	2012	..	415	..	..	415	9
Zambia	2009	129	20	..	..	149	12
	2010	137	21	..	..	158	12
	2011	146	31	..	..	177	13
	2012	157	74	..	..	231	16
Zimbabwe	2009	..	140	..	..	140	11
	2010	..	153	..	..	153	12
	2011	..	167	..	..	167	13
	2012	..	175	..	..	175	13
America, North	2009	415,658	60,572	18,520	1,419	456,290	840
	2010	430,784	60,005	23,308	49	467,432	852
	2011	427,241	60,025	30,969	591	455,705	822
	2012	420,677	56,440	30,464	607	446,047	797
Anguilla	2009	..	8	..	..	8	567
	2010	..	8	..	..	8	552
	2011	..	6	..	..	6	437
	2012	..	8	..	..	8	545
Antigua and Barbuda	2009	..	*43	*5	..	*38	*440
	2010	..	*41	*4	..	*37	*424
	2011	..	*40	*3	..	*37	*420
	2012	..	*41	*3	..	*38	*427
Aruba	2009	..	*58	..	..	*58	*576
	2010	..	*59	..	..	*59	*584
	2011	..	*60	..	..	*60	*589
	2012	..	*60	..	..	*60	*589
Bahamas	2009	..	154	*1	..	153	432
	2010	..	217	*1	..	217	601
	2011	..	*213	*1	..	*212	*579
	2012	..	210	*1	..	209	563
Barbados	2009	..	97	..	0	97	347
	2010	..	94	..	0	94	335
	2011	..	90	..	0	90	320
	2012	..	90	..	0	90	319
Belize	2009	..	*48	..	..	*48	*159
	2010	..	54	..	..	54	175
	2011	..	*56	..	..	*56	*178
	2012	..	*56	..	..	*56	*173
Bermuda	2009	..	*38	..	..	*38	*579
	2010	..	*39	..	..	*39	*596
	2011	..	33	..	..	33	512
	2012	..	66	..	..	66	1,017

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
British Virgin Islands	2009	..	*13	..	..	*13	*490
	2010	..	*14	..	..	*14	*496
	2011	..	*14	..	..	*14	*505
	2012	..	*14	..	..	*14	*498
Canada	2009	30,608	3,918	5,807	148	28,571	846
	2010	30,668	3,481	6,382	429	27,338	801
	2011	28,587	4,092	5,579	-21	27,121	786
	2012	29,584	2,938	6,086	-96	26,532	762
Cayman Islands	2009	..	42	..	..	42	774
	2010	..	39	..	..	39	703
	2011	..	40	..	..	40	707
	2012	..	37	..	..	37	643
Costa Rica	2009	86	594	..	-14	694	151
	2010	109	614	..	-16	739	158
	2011	31	671	..	-6	707	149
	2012	0	753	0	7	746	155
Cuba	2009	492	120	..	..	612	54
	2010	568	386	..	..	954	85
	2011	503	394	..	..	897	80
	2012	415	560	..	..	975	87
Dominica	2009	..	*13	..	..	*13	*183
	2010	..	*13	..	..	*13	*183
	2011	..	*13	..	..	*13	*182
	2012	..	*13	..	..	*13	*181
Dominican Republic	2009	260	626	..	0	886	90
	2010	284	696	..	18	962	96
	2011	255	970	..	94	1,131	111
	2012	243	1,023	..	-11	1,277	124
El Salvador	2009	105	323	0	-12	440	71
	2010	100	333	0	3	430	69
	2011	92	345	4	-28	461	74
	2012	73	396	0	-39	508	81
Greenland	2009	..	12	..	-1	13	233
	2010	..	14	..	0	14	243
	2011	..	15	..	1	14	239
	2012	..	12	..	-2	14	238
Grenada	2009	..	26	..	-1	27	256
	2010	..	27	..	0	27	259
	2011	..	25	..	0	25	241
	2012	..	24	..	0	24	230
Guadeloupe	2009	..	*135	..	..	*135	*296
	2010	..	*135	..	..	*135	*294
	2011	..	*142	..	..	*142	*308
	2012	..	*142	..	..	*142	*306
Guatemala	2009	..	1,052	43	33	976	70
	2010	..	1,005	31	17	957	67
	2011	..	938	20	-14	932	63
	2012	..	929	0	0	929	62
Haiti	2009	..	228	..	..	228	23
	2010	..	122	..	..	122	12
	2011	..	130	..	..	130	13
	2012	..	154	..	..	154	15

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Honduras	2009	..	457	..	-9	466	62
	2010	..	476	..	0	476	62
	2011	..	501	..	0	501	64
	2012	..	509	..	0	509	64
Jamaica	2009	129	383	..	18	494	181
	2010	123	335	..	-5	462	168
	2011	144	303	..	-7	454	165
	2012	133	309	..	3	439	159
Martinique	2009	*141	*17	*46	..	*112	*279
	2010	*139	*17	*47	..	*109	*272
	2011	*147	*17	*47	..	*117	*291
	2012	*149	*17	*47	..	*119	*296
Mexico	2009	21,960	13,309	15	-62	35,316	303
	2010	20,103	15,489	0	-100	35,692	303
	2011	16,725	16,437	0	234	32,928	276
	2012	17,520	16,126	0	0	33,646	278
Montserrat	2009	..	*11	..	..	*11	*2,237
	2010	..	*11	..	..	*11	*2,221
	2011	..	*11	..	..	*11	*2,200
	2012	..	*11	..	..	*11	*2,180
Netherlands Antilles	2009	1,685	93	1,685	..	93	461
	2010	772	95	772	..	95	457
	2011	1,511	96	1,511	..	96	450
	2012	1,574	96	1,574	..	96	440
Nicaragua	2009	101	113	..	-2	216	38
	2010	96	112	..	0	208	36
	2011	97	124	..	-3	224	38
	2012	68	181	..	7	242	40
Panama	2009	..	521	..	-27	548	152
	2010	..	540	..	-78	618	168
	2011	..	591	..	-29	620	166
	2012	..	630	..	-49	679	179
St. Kitts-Nevis	2009	..	*13	..	..	*13	*251
	2010	..	*12	..	..	*12	*227
	2011	..	*12	..	..	*12	*227
	2012	..	*13	..	..	*13	*243
St. Lucia	2009	..	*46	..	..	*46	*263
	2010	..	*47	..	..	*47	*265
	2011	..	*48	..	..	*48	*268
	2012	..	*48	..	..	*48	*265
St. Pierre-Miquelon	2009	..	*4	..	..	*4	*660
	2010	..	*4	..	..	*4	*661
	2011	..	*4	..	..	*4	*662
	2012	..	*4	..	..	*4	*662
St. Vincent-Grenadines	2009	..	*21	..	..	*21	*192
	2010	..	*22	..	..	*22	*201
	2011	..	*22	..	..	*22	*201
	2012	..	*22	..	..	*22	*201
Trinidad and Tobago	2009	1,996	152	1,576	54	518	392
	2010	1,957	96	1,553	26	474	357
	2011	1,674	122	1,256	38	502	377
	2012	1,132	337	951	0	518	387

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
United States	2009	358,094	37,885	9,342	1,294	385,343	1,245
	2010	375,866	35,359	14,519	-245	396,951	1,271
	2011	377,475	33,449	22,549	331	388,044	1,232
	2012	369,786	30,610	21,802	787	377,807	1,190
America, South	2009	48,541	2,357	5,570	128	45,200	116
	2010	49,665	3,656	3,659	45	49,617	126
	2011	50,970	5,287	3,770	371	52,116	131
	2012	54,499	6,986	3,114	-1,005	59,376	148
Argentina	2009	4,750	0	318	0	4,432	111
	2010	4,828	103	11	0	4,920	122
	2011	5,335	105	1	396	5,043	124
	2012	5,539	39	0	-141	5,719	139
Bolivia (Plur. State of)	2009	621	17	..	-2	640	64
	2010	636	70	..	-2	708	70
	2011	629	137	..	5	761	74
	2012	686	159	..	0	845	81
Brazil	2009	20,226	7	1,860	67	18,306	95
	2010	21,535	374	564	60	21,285	109
	2011	24,204	1,619	229	-110	25,704	131
	2012	25,353	2,798	91	-972	29,032	146
Chile	2009	2,445	553	462	110	2,426	143
	2010	2,028	737	219	-54	2,600	152
	2011	2,194	609	125	-21	2,699	156
	2012	2,246	572	243	-28	2,603	149
Colombia	2009	2,964	15	418	-14	2,575	56
	2010	3,113	37	551	89	2,510	54
	2011	*2,312	125	574	-2	*1,865	*40
	2012	2,930	477	352	23	3,032	64
Ecuador	2009	1,393	1,099	173	-3	2,322	157
	2010	1,166	1,424	65	-18	2,543	170
	2011	1,436	1,478	85	111	2,718	178
	2012	1,415	1,668	172	125	2,786	180
Falkland Is. (Malvinas)	2009	..	*1	..	..	*1	*333
	2010	..	*1	..	..	*1	*331
	2011	..	*1	..	..	*1	*330
	2012	..	*1	..	..	*1	*329
French Guiana	2009	..	*30	..	..	*30	*133
	2010	..	*30	..	..	*30	*130
	2011	..	*31	..	..	*31	*131
	2012	..	*32	..	..	*32	*132
Guyana	2009	..	112	..	-1	113	144
	2010	..	117	..	-2	119	151
	2011	..	117	..	-4	121	153
	2012	..	136	..	3	133	167
Paraguay	2009	21	247	..	-17	286	45
	2010	28	299	..	-44	370	57
	2011	30	350	..	-35	414	63
	2012	31	347	..	-52	431	64
Peru	2009	2,922	140	1,467	0	1,595	55
	2010	3,101	210	1,663	0	1,648	56
	2011	3,067	409	1,514	0	1,962	66
	2012	3,158	178	1,804	0	1,532	51

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Suriname	2009	..	86	..	..	86	166
	2010	..	138	..	..	138	262
	2011	..	131	..	..	131	246
	2012	..	141	..	..	141	265
Uruguay	2009	443	38	137	7	337	100
	2010	440	117	180	-5	382	113
	2011	349	165	48	31	436	129
	2012	473	82	81	-6	479	141
Venezuela(Bolivar. Rep.)	2009	12,756	12	735	-19	12,052	422
	2010	12,790	..	406	20	12,364	426
	2011	11,414	11	1,194	0	10,231	347
	2012	12,668	356	371	44	12,609	421
Asia	2009	247,044	51,525	54,014	5,056	239,499	58
	2010	254,182	54,801	60,925	-3,401	251,458	60
	2011	259,942	56,692	60,137	-1,035	257,532	61
	2012	278,959	64,535	64,387	3,637	275,471	65
Afghanistan	2009	..	932	..	..	932	34
	2010	..	1,091	..	..	1,091	38
	2011	..	1,590	..	..	1,590	55
	2012	..	4,417	..	..	4,417	148
Armenia	2009	..	184	..	..	184	62
	2010	..	189	..	..	189	64
	2011	..	164	..	..	164	55
	2012	..	136	..	..	136	46
Azerbaijan	2009	1,235	..	227	11	997	111
	2010	1,249	..	197	-4	1,056	116
	2011	1,296	..	96	26	1,174	128
	2012	1,297	..	60	-25	1,262	136
Bahrain	2009	804	..	214	31	559	469
	2010	806	..	202	-19	623	498
	2011	732	..	89	45	598	463
	2012	661	..	0	-6	667	506
Bangladesh	2009	88	75	..	-50	213	1
	2010	92	101	..	-46	239	2
	2011	99	86	..	-81	266	2
	2012	114	116	..	-51	281	2
Bhutan	2009	..	*15	..	..	*15	*21
	2010	..	18	..	..	18	25
	2011	..	20	..	..	20	28
	2012	..	22	..	..	22	30
Brunei Darussalam	2009	199	22	..	3	218	553
	2010	197	35	..	0	232	579
	2011	168	74	..	-4	246	605
	2012	146	116	..	1	261	633
Cambodia	2009	..	150	..	..	150	11
	2010	..	158	..	..	158	11
	2011	..	166	..	..	166	11
	2012	..	178	..	..	178	12
China	2009	72,703	44	4,919	6,514	61,314	45
	2010	73,051	0	5,170	-708	68,589	50
	2011	78,595	29	4,060	1,170	73,394	54
	2012	89,135	5	2,917	5,203	81,020	59

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
China, Hong Kong SAR	2009	..	385	26	3	356	51
	2010	..	394	15	7	372	53
	2011	..	401	6	2	393	55
	2012	..	411	8	0	403	56
China, Macao SAR	2009	..	*51	..	..	*51	*98
	2010	..	*55	..	..	*55	*103
	2011	..	*60	..	..	*60	*111
	2012	..	*64	..	..	*64	*116
Cyprus	2009	..	380	..	2	378	347
	2010	..	402	..	9	393	356
	2011	..	376	..	0	376	337
	2012	..	364	..	0	364	322
Georgia	2009	..	465	0	..	465	106
	2010	..	436	0	..	436	99
	2011	..	402	0	3	399	91
	2012	..	384	0	..	384	88
India	2009	22,537	385	9,762	..	13,160	11
	2010	26,138	1,702	13,578	..	14,262	12
	2011	27,186	654	14,524	..	13,316	11
	2012	30,118	147	16,657	..	13,608	11
Indonesia	2009	9,243	8,596	0	..	17,839	75
	2010	8,350	9,664	313	..	17,701	74
	2011	9,326	11,504	10	..	20,820	85
	2012	9,506	13,176	15	..	22,667	92
Iran(Islamic Rep. of)	2009	12,075	5,674	0	..	17,748	241
	2010	12,084	4,033	0	..	16,118	216
	2011	12,786	1,335	19	..	14,101	187
	2012	14,695	411	0	..	15,106	198
Iraq	2009	2,496	1,469	..	..	3,965	131
	2010	2,472	1,677	..	..	4,149	134
	2011	3,226	2,292	..	-4	5,522	173
	2012	3,269	2,332	..	-273	5,874	179
Israel	2009	2,984	319	830	0	2,473	340
	2010	2,727	886	635	0	2,978	401
	2011	2,702	929	825	-49	2,855	379
	2012	2,809	1,007	762	11	3,043	398
Japan	2009	42,188	628	1,143	-255	41,928	329
	2010	43,005	798	1,618	5	42,180	331
	2011	40,102	2,140	923	121	41,198	324
	2012	39,096	2,125	847	-45	40,419	318
Jordan	2009	750	229	..	-35	1,014	164
	2010	697	397	..	36	1,058	164
	2011	675	405	..	-11	1,091	162
	2012	710	423	..	34	1,099	157
Kazakhstan	2009	2,613	889	154	4	3,344	212
	2010	2,926	728	115	93	3,446	216
	2011	2,775	643	13	-218	3,623	225
	2012	2,877	1,264	41	298	3,802	234
Korea, Dem.Ppl's.Rep.	2009	174	12	..	..	186	8
	2010	177	11	..	..	188	8
	2011	176	12	..	..	188	8
	2012	176	11	..	..	187	8

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Korea, Republic of	2009	11,975	..	4,694	157	7,124	148
	2010	12,083	..	4,596	42	7,445	154
	2011	13,673	..	6,255	-75	7,493	154
	2012	15,306	12	7,422	121	7,775	159
Kuwait	2009	2,361	..	28	283	2,050	719
	2010	2,244	..	37	-492	2,699	902
	2011	2,206	..	56	-379	2,529	809
	2012	2,202	..	67	-128	2,263	696
Kyrgyzstan	2009	10	523	9	14	510	97
	2010	15	424	2	3	434	81
	2011	16	559	10	-27	592	110
	2012	11	908	5	29	885	162
Lao People's Dem. Rep.	2009	..	*25	..	..	*25	*4
	2010	..	*26	..	..	*26	*4
	2011	..	*26	..	..	*26	*4
	2012	..	*26	..	..	*26	*4
Lebanon	2009	..	1,618	..	..	1,618	381
	2010	..	1,595	..	..	1,595	367
	2011	..	1,598	..	..	1,598	357
	2012	..	1,685	..	..	1,685	363
Malaysia	2009	4,197	*3,165	*11	*-1,117	*8,468	*305
	2010	4,171	*4,157	*20	*-1,056	*9,364	*331
	2011	3,425	3,968	0	-13	7,406	258
	2012	4,395	5,633	1,978	-166	8,216	281
Maldives	2009	..	28	..	..	28	89
	2010	..	30	..	..	30	92
	2011	..	31	..	..	31	94
	2012	..	38	..	..	38	112
Mongolia	2009	..	323	..	..	323	121
	2010	..	285	..	..	285	105
	2011	..	325	..	..	325	118
	2012	..	389	..	..	389	139
Myanmar	2009	430	20	..	-3	453	9
	2010	493	53	..	-32	578	11
	2011	498	46	..	52	492	9
	2012	387	216	..	-12	615	12
Nepal	2009	..	115	..	..	115	4
	2010	..	133	..	..	133	5
	2011	..	*148	..	..	*148	*5
	2012	..	*195	..	..	*195	*7
Oman	2009	2,157	209	734	-41	1,673	628
	2010	1,903	281	485	-131	1,830	653
	2011	2,727	139	765	-37	2,138	707
	2012	2,752	77	404	12	2,413	728
Other Asia	2009	8,313	0	4,164	53	4,096	177
	2010	7,778	0	3,697	66	4,015	173
	2011	6,118	57	2,680	-114	3,609	155
	2012	6,749	0	3,225	44	3,480	150
Pakistan	2009	1,338	577	4	3	1,907	11
	2010	1,237	1,130	16	24	2,327	13
	2011	1,227	1,554	1	-4	2,784	16
	2012	*1,514	*1,818	0	*-21	*3,353	*19

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Philippines	2009	1,077	1,543	73	62	2,485	27
	2010	1,344	1,480	23	9	2,792	30
	2011	1,508	1,312	32	10	2,779	29
	2012	1,412	1,522	14	18	2,903	30
Qatar	2009	1,633	..	688	-145	1,090	697
	2010	1,910	..	795	5	1,110	634
	2011	1,859	..	714	-9	1,154	604
	2012	1,956	..	598	11	1,347	657
Saudi Arabia	2009	15,196	4,404	2,909	-322	17,013	635
	2010	16,070	3,688	2,820	-805	17,743	651
	2011	16,715	2,220	1,850	-1,961	19,046	686
	2012	17,103	3,945	1,774	-1,350	20,624	729
Singapore	2009	*9,386	11,032	19,443	156	819	165
	2010	*10,862	12,421	22,481	-37	839	165
	2011	*10,127	13,833	22,922	193	845	163
	2012	*10,224	13,080	22,718	-271	857	162
Sri Lanka	2009	179	337	..	-24	540	26
	2010	158	452	..	-7	617	30
	2011	206	508	..	5	709	34
	2012	152	575	..	-24	751	36
State of Palestine	2009	..	116	..	..	116	30
	2010	..	127	..	..	127	32
	2011	..	134	..	..	134	33
	2012	..	144	..	..	144	34
Syrian Arab Republic	2009	1,359	308	2	0	1,665	79
	2010	974	883	1	54	1,802	84
	2011	955	812	0	0	1,767	81
	2012	678	736	0	0	1,414	65
Tajikistan	2009	..	69	..	..	69	9
	2010	..	79	..	..	79	10
	2011	..	85	..	..	85	11
	2012	..	91	..	..	91	11
Thailand	2009	6,163	9	941	-7	5,238	79
	2010	6,087	0	936	-13	5,164	78
	2011	5,797	24	676	*41	5,104	77
	2012	6,354	217	1,092	*128	5,351	80
Timor-Leste	2009	..	*13	..	..	*13	*12
	2010	..	*13	..	..	*13	*12
	2011	..	*13	..	..	*13	*12
	2012	..	*13	..	..	*13	*12
Turkey	2009	3,972	205	1,960	-241	2,458	35
	2010	3,828	270	2,012	45	2,041	28
	2011	4,280	136	2,420	57	1,939	27
	2012	4,379	48	2,631	2	1,794	24
Turkmenistan	2009	1,840	..	779	..	1,061	213
	2010	2,090	..	885	..	1,205	239
	2011	2,130	..	902	..	1,228	240
	2012	2,010	..	851	..	1,159	224
United Arab Emirates	2009	2,020	1,886	..	..	3,906	506
	2010	2,247	1,864	..	..	4,111	487
	2011	2,530	1,984	..	..	4,514	506
	2012	2,815	1,961	..	..	4,776	519

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Uzbekistan	2009	1,622	..	35	..	1,587	58
	2010	1,444	..	31	..	1,413	51
	2011	1,308	..	28	..	1,280	45
	2012	1,226	..	26	..	1,200	42
Viet Nam	2009	674	3,678	265	..	4,087	46
	2010	2,329	1,995	246	-450	4,528	51
	2011	2,355	2,915	261	226	4,783	53
	2012	2,596	2,805	275	97	5,029	55
Yemen	2009	1,054	418	..	..	1,472	66
	2010	944	641	..	..	1,585	70
	2011	438	981	..	..	1,419	61
	2012	128	1,293	..	..	1,421	60
Europe	2009	186,126	30,210	77,890	75	138,370	187
	2010	179,129	31,287	76,862	-391	133,944	181
	2011	175,731	32,573	76,655	-429	132,078	178
	2012	173,487	32,603	82,919	-376	123,547	167
Albania	2009	0	98	..	..	98	31
	2010	0	126	..	..	126	40
	2011	0	119	..	..	119	38
	2012	0	100	..	..	100	32
Andorra	2009	..	22	..	..	22	282
	2010	..	21	..	..	21	271
	2011	..	21	..	..	21	267
	2012	..	*21	..	..	*21	*265
Austria	2009	1,739	719	575	37	1,846	221
	2010	1,519	834	598	-108	1,863	222
	2011	1,614	779	569	63	1,761	209
	2012	1,635	884	776	-48	1,791	212
Belarus	2009	3,272	2	2,211	-32	1,095	115
	2010	3,158	3	2,122	65	974	103
	2011	3,135	2	1,975	-47	1,209	128
	2012	3,729	1	2,606	37	1,087	116
Belgium	2009	4,650	446	3,991	-166	1,271	117
	2010	4,873	1,034	4,661	24	1,222	112
	2011	3,857	1,350	4,090	-71	1,188	108
	2012	4,577	931	4,366	-27	1,169	106
Bosnia and Herzegovina	2009	97	203	4	..	296	77
	2010	88	173	0	..	261	68
	2011	74	159	5	..	228	59
	2012	109	129	46	..	192	50
Bulgaria	2009	1,457	238	970	99	626	84
	2010	1,479	258	1,144	-2	595	81
	2011	1,531	236	1,214	15	538	73
	2012	1,658	254	1,386	13	513	70
Croatia	2009	1,207	220	719	17	691	159
	2010	1,094	230	664	10	650	150
	2011	871	216	501	-49	635	147
	2012	990	169	549	20	590	137
Czech Republic	2009	1,496	690	150	-5	2,041	195
	2010	1,550	591	253	30	1,858	176
	2011	1,415	622	299	-56	1,794	169
	2012	1,534	460	298	27	1,669	157

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Denmark	2009	2,100	552	1,144	27	1,481	268
	2010	1,859	748	954	8	1,645	296
	2011	1,937	718	1,065	38	1,552	278
	2012	2,011	758	1,364	-13	1,418	253
Estonia	2009	..	305	0	11	294	226
	2010	..	273	0	-2	275	212
	2011	..	261	0	0	261	202
	2012	..	511	261	-2	252	195
Faeroe Islands	2009	..	*12	..	..	*12	*248
	2010	..	*12	..	..	*12	*238
	2011	..	*12	..	..	*12	*234
	2012	..	*11	..	..	*11	*225
Finland	2009	4,347	0	2,354	130	1,863	349
	2010	4,002	17	2,331	-209	1,897	353
	2011	4,216	28	2,443	5	1,796	333
	2012	4,318	62	2,491	9	1,880	348
France	2009	16,059	603	6,565	-8	10,105	161
	2010	13,972	863	5,947	38	8,850	140
	2011	13,424	449	4,783	-15	9,105	143
	2012	12,325	373	4,513	-143	8,328	130
Germany	2009	24,380	1,489	5,514	-65	20,420	245
	2010	22,087	2,049	4,885	94	19,157	231
	2011	21,720	1,902	4,745	-95	18,972	229
	2012	20,734	1,558	4,992	-37	17,337	209
Gibraltar	2009	..	28	..	..	28	957
	2010	..	28	..	..	28	957
	2011	..	27	..	..	27	923
	2012	..	27	..	..	27	922
Greece	2009	4,075	936	1,152	-192	4,051	365
	2010	4,407	371	1,372	46	3,360	302
	2011	3,950	563	1,385	-101	3,229	290
	2012	4,592	380	2,382	-11	2,601	234
Hungary	2009	1,311	423	164	10	1,560	156
	2010	1,273	392	217	23	1,425	142
	2011	1,206	319	274	-38	1,289	129
	2012	1,212	318	235	-10	1,305	131
Iceland	2009	..	159	..	2	157	500
	2010	..	144	..	-4	148	465
	2011	..	145	..	2	143	444
	2012	..	138	..	1	137	420
Ireland	2009	517	1,046	0	-21	1,584	359
	2010	511	1,048	35	109	1,415	317
	2011	552	1,141	250	30	1,413	312
	2012	546	1,013	406	-15	1,168	255
Italy	2009	18,904	181	7,727	161	11,197	186
	2010	18,997	133	8,903	-115	10,342	171
	2011	18,875	127	8,422	37	10,543	174
	2012	18,333	44	9,229	-219	9,367	154
Latvia	2009	..	369	57	-2	314	149
	2010	..	250	14	-33	269	129
	2011	..	256	4	1	251	121
	2012	..	235	7	9	219	106

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Lithuania	2009	2,585	9	2,351	-22	265	85
	2010	2,675	59	2,550	-11	195	64
	2011	2,694	25	2,554	-3	168	55
	2012	2,504	22	2,353	33	140	46
Luxembourg	2009	..	380	..	3	377	757
	2010	..	348	..	-4	352	693
	2011	..	368	..	-1	369	715
	2012	..	350	..	-1	351	670
Malta	2009	..	71	..	2	69	163
	2010	..	69	..	-4	73	172
	2011	..	179	..	9	170	399
	2012	..	64	..	-9	73	171
Montenegro	2009	..	65	1	..	64	103
	2010	..	57	0	..	57	92
	2011	..	55	12	..	43	69
	2012	..	48	11	..	37	60
Netherlands	2009	7,234	10,221	16,294	-211	1,372	83
	2010	7,870	9,418	16,550	-242	980	59
	2011	6,778	10,405	15,113	172	1,898	114
	2012	7,126	12,017	19,443	189	-489	-29
Norway	2009	3,513	283	2,758	-6	1,044	216
	2010	3,332	257	1,976	-133	1,746	357
	2011	3,820	164	2,804	53	1,127	228
	2012	3,697	177	2,433	22	1,419	284
Poland	2009	4,304	492	369	155	4,272	112
	2010	4,291	415	463	21	4,222	111
	2011	3,969	530	518	-30	4,011	105
	2012	4,020	437	678	-99	3,878	101
Portugal	2009	2,056	240	835	0	1,461	138
	2010	2,218	178	1,035	-30	1,391	131
	2011	1,875	191	799	18	1,249	118
	2012	1,864	160	898	-26	1,152	109
Republic of Moldova	2009	..	216	..	8	208	58
	2010	..	186	..	-13	199	56
	2011	..	212	..	4	208	59
	2012	..	161	..	-8	169	48
Romania	2009	3,311	64	1,680	126	1,569	72
	2010	2,823	65	1,361	73	1,454	67
	2011	2,886	68	1,714	-49	1,289	59
	2012	2,751	113	1,549	-39	1,354	62
Russian Federation	2009	35,827	223	4,501	270	31,279	218
	2010	35,926	498	2,963	127	33,334	232
	2011	36,686	1,013	3,864	70	33,765	235
	2012	38,232	219	3,205	185	35,061	245
Serbia	2009	570	0	57	-9	522	54
	2010	473	0	0	-11	484	50
	2011	430	25	0	1	454	47
	2012	372	55	..	12	415	43
Slovakia	2009	1,558	230	1,120	-9	677	125
	2010	1,317	251	910	-9	667	123
	2011	1,473	182	1,045	-15	625	115
	2012	1,407	220	1,008	28	591	109

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Slovenia	2009	..	672	105	-27	594	291
	2010	..	728	146	0	582	283
	2011	..	714	144	4	566	274
	2012	..	686	150	22	514	249
Spain	2009	9,210	332	3,813	-89	5,818	127
	2010	8,373	163	3,423	45	5,068	110
	2011	7,823	113	3,341	-87	4,682	101
	2012	7,543	81	3,378	-90	4,336	93
Sweden	2009	4,815	1,619	2,562	-38	3,910	420
	2010	4,189	1,858	2,133	-46	3,960	422
	2011	4,335	1,487	2,327	-61	3,556	376
	2012	4,715	1,177	2,829	-55	3,118	328
Switzerland	2009	1,428	1,873	0	-13	3,314	426
	2010	1,321	1,850	0	10	3,161	402
	2011	1,266	1,716	5	-61	3,038	382
	2012	1,032	1,910	18	-8	2,932	365
T.F.Yug.Rep. Macedonia	2009	177	29	67	15	124	59
	2010	161	34	62	9	123	59
	2011	110	63	55	-13	130	62
	2012	46	106	38	2	112	53
Ukraine	2009	3,259	1,675	269	-41	4,706	102
	2010	2,875	2,118	571	54	4,368	95
	2011	2,837	2,214	973	-59	4,137	90
	2012	1,636	2,039	460	-31	3,246	71
United Kingdom	2009	20,668	2,774	7,811	-42	15,673	254
	2010	20,416	3,137	8,619	-201	15,135	244
	2011	20,372	3,398	9,363	-100	14,507	232
	2012	18,239	4,184	8,561	-94	13,956	222
Oceania	2009	13,989	4,289	189	70	18,019	500
	2010	13,717	4,048	199	-48	17,614	481
	2011	13,554	3,265	129	54	16,636	447
	2012	12,858	4,164	129	-16	16,908	448
Australia	2009	12,570	2,987	178	43	15,336	696
	2010	12,340	2,839	162	-47	15,064	672
	2011	12,222	1,939	128	77	13,956	614
	2012	11,499	2,683	128	-9	14,063	610
Cook Islands	2009	..	*5	..	..	*5	*248
	2010	..	*5	..	..	*5	*246
	2011	..	*5	..	..	*5	*245
	2012	..	*5	..	..	*5	*244
Fiji	2009	..	43	*1	..	42	49
	2010	..	75	*1	..	74	86
	2011	..	*75	*1	..	*74	*86
	2012	..	*75	*1	..	*74	*85
French Polynesia	2009	..	49	..	..	49	183
	2010	..	49	..	..	49	182
	2011	..	48	..	..	48	176
	2012	..	46	..	..	46	169
Kiribati	2009	..	*3	..	..	*3	*26
	2010	..	*4	..	..	*4	*43
	2011	..	*4	..	..	*4	*41
	2012	..	*4	..	..	*4	*41

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Micronesia(Fed. States of)	2009	..	18	..	..	18	169
	2010	..	11	..	..	11	104
	2011	..	*12	..	..	*12	*116
	2012	..	*14	..	..	*14	*135
Nauru	2009	..	1	..	..	1	107
	2010	..	1	..	..	1	109
	2011	..	*1	..	..	*1	*110
	2012	..	*1	..	..	*1	*120
New Caledonia	2009	..	71	*5	..	66	272
	2010	..	72	*2	..	70	284
	2011	..	71	0	..	71	284
	2012	..	74	0	..	74	291
New Zealand	2009	1,419	1,003	5	24	2,393	554
	2010	1,377	913	34	0	2,256	516
	2011	1,332	951	0	-24	2,307	523
	2012	1,359	1,100	0	-3	2,462	552
Niue	2009	..	*1	..	..	*1	*357
	2010	..	*1	..	..	*1	*368
	2011	..	*1	..	..	*1	*386
	2012	..	*1	..	..	*1	*397
Palau	2009	..	*25	..	..	*25	*1,229
	2010	..	*25	..	..	*25	*1,241
	2011	..	*26	..	..	*26	*1,262
	2012	..	*26	..	..	*26	*1,253
Papua New Guinea	2009	0	30	..	3	27	4
	2010	0	0	..	-1	1	0
	2011	0	78	..	1	77	11
	2012	0	*78	..	-4	*82	*11
Samoa	2009	..	*20	..	..	*20	*108
	2010	..	*20	..	..	*20	*106
	2011	..	23	..	0	22	119
	2012	..	*25	..	0	*24	*128
Solomon Islands	2009	..	*15	..	..	*15	*29
	2010	..	*16	..	..	*16	*30
	2011	..	*16	..	..	*16	*29
	2012	..	*16	..	..	*16	*29
Tonga	2009	..	12	..	..	12	118
	2010	..	9	..	..	9	84
	2011	..	8	..	..	8	77
	2012	..	9	..	..	9	82
Vanuatu	2009	..	6	..	..	6	26
	2010	..	7	..	..	7	30
	2011	..	6	..	..	6	26
	2012	..	6	..	..	6	25
Wallis and Futuna Is.	2009	..	*2	..	..	*2	*114
	2010	..	*2	..	..	*2	*111
	2011	..	*1	..	..	*1	*108
	2012	..	1	..	..	1	102

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Table Notes

Production includes output from refineries and plants.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification.

For China, data include kerosene-type jet fuel.

Figure 51: Production of other kerosene by region, 1990-2012

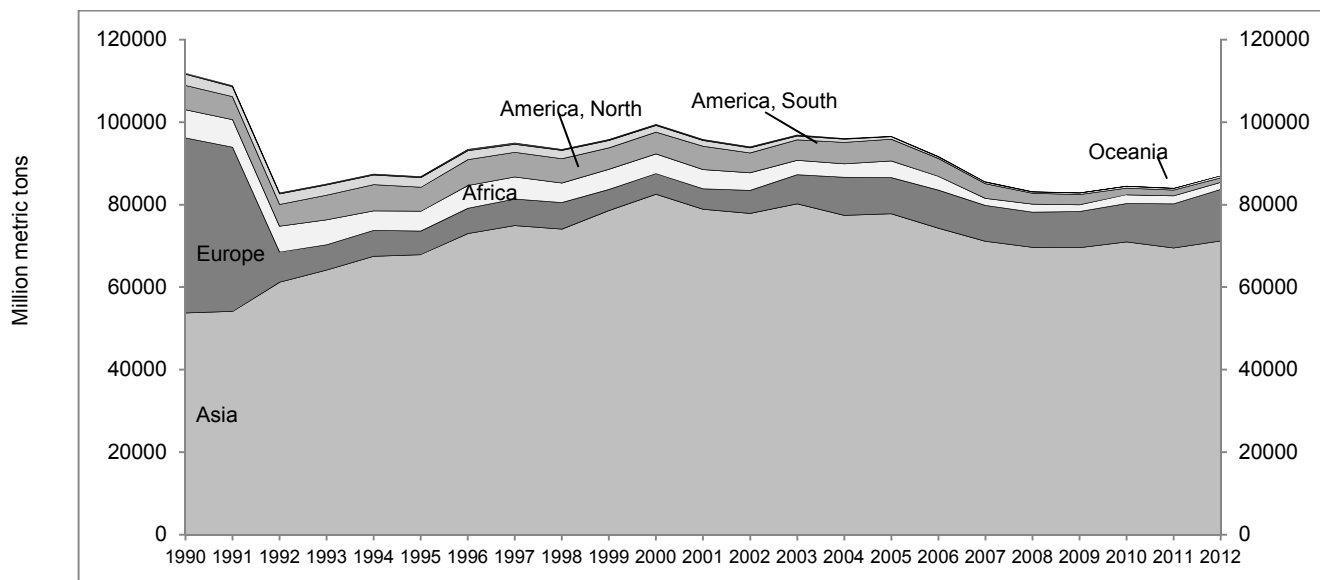


Figure 52: Major other kerosene producing countries, 2012

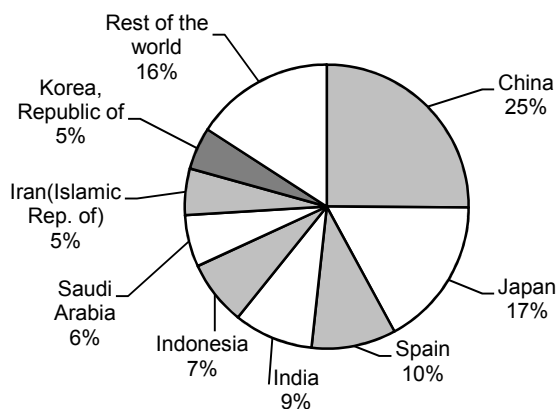


Figure 53: Major other kerosene consuming countries, 2012

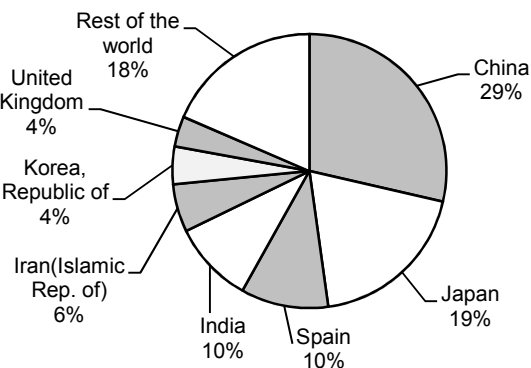


Table 19

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
World	2009	82,868	14,316	21,521	-871	76,535	11
	2010	84,475	17,879	22,271	-574	80,657	12
	2011	83,956	19,138	22,841	915	79,338	11
	2012	86,979	17,565	23,508	-118	81,154	11
Africa	2009	1,635	2,166	109	-28	3,720	4
	2010	2,152	3,092	376	-15	4,884	5
	2011	1,893	2,803	377	-35	4,353	4
	2012	1,730	3,566	287	-28	5,037	5
Algeria	2009	1	..	..	..	1	0
	2010	0	..	..	..	0	0
	2011	0	..	..	..	0	0
	2012	0	..	..	..	0	0
Angola	2009	0	63	0	..	63	3
	2010	0	65	0	..	65	3
	2011	73	0	0	..	73	4
	2012	60	0	0	..	60	3
Benin	2009	..	386	37	-4	353	38
	2010	..	393	47	-4	350	37
	2011	..	407	49	0	358	37
	2012	..	429	52	0	377	38
Botswana	2009	..	7	..	..	7	4
	2010	..	8	..	..	8	4
	2011	..	8	..	..	8	4
	2012	..	8	..	..	8	4
Burkina Faso	2009	..	15	..	*-2	17	1
	2010	..	18	..	0	18	1
	2011	..	4	..	0	4	0
	2012	..	1	..	0	1	0
Burundi	2009	..	1	..	0	1	0
	2010	..	3	..	0	3	0
	2011	..	3	..	0	3	0
	2012	..	3	..	0	2	0
Cabo Verde	2009	..	*1	..	..	*1	*1
	2010	..	*1	..	..	*1	*1
	2011	..	*1	..	..	*1	*1
	2012	..	*1	..	..	*1	*1
Cameroon	2009	..	..	..	-24	24	1
	2010	..	..	..	-17	17	1
	2011	..	..	..	0	0	0
	2012	..	..	..	0	0	0
Central African Rep.	2009	..	*26	..	..	*26	*6
	2010	..	*26	..	..	*26	*6
	2011	..	*27	..	..	*27	*6
	2012	..	*28	..	..	*28	*6
Chad	2009	..	*1	..	..	*1	0
	2010	..	*1	..	..	*1	0
	2011	..	*1	..	..	*1	0
	2012	..	*1	..	..	*1	0
Comoros	2009	..	*7	..	..	*7	*11
	2010	..	*8	..	..	*8	*11
	2011	..	*9	..	..	*9	*13
	2012	..	*9	..	..	*9	*13

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Congo	2009	21	..	..	..	21	5
	2010	34	4	..	14	24	6
	2011	22	1	..	0	23	5
	2012	32	0	..	0	32	7
Côte d'Ivoire	2009	53	..	..	..	53	3
	2010	68	..	..	..	68	4
	2011	45	..	..	..	45	2
	2012	59	..	..	..	59	3
Dem. Rep. of the Congo	2009	..	12	..	..	12	0
	2010	..	4	..	..	4	0
	2011	..	9	..	..	9	0
	2012	..	9	..	..	9	0
Djibouti	2009	..	11	..	..	11	14
	2010	..	12	..	..	12	14
	2011	..	12	..	..	12	14
	2012	..	*12	..	..	*12	*14
Egypt	2009	151	..	0	..	151	2
	2010	431	..	280	..	151	2
	2011	285	..	*275	..	10	0
	2012	296	..	*215	..	81	1
Equatorial Guinea	2009	..	*10	..	..	*10	*15
	2010	..	*10	..	..	*10	*14
	2011	..	*10	..	..	*10	*14
	2012	..	*10	..	..	*10	*14
Eritrea	2009	..	16	..	..	16	3
	2010	..	13	..	..	13	2
	2011	..	14	..	..	14	2
	2012	..	14	..	..	14	2
Ethiopia	2009	..	282	..	25	257	3
	2010	..	229	..	-10	239	3
	2011	..	215	..	-22	237	3
	2012	..	221	..	-22	243	3
Gabon	2009	27	4	..	0	31	20
	2010	29	4	..	0	33	21
	2011	29	4	..	0	33	21
	2012	28	5	..	1	32	20
Gambia	2009	..	20	1	..	19	12
	2010	..	*22	*1	..	*21	*12
	2011	..	*19	*1	..	*18	*11
	2012	..	*21	*1	..	*20	*11
Ghana	2009	49	78	..	..	126	5
	2010	71	0	..	..	71	3
	2011	53	0	..	..	53	2
	2012	21	0	..	..	21	1
Guinea	2009	..	*10	..	..	*10	*1
	2010	..	13	..	..	13	1
	2011	..	16	..	..	16	1
	2012	..	12	..	..	12	1
Guinea-Bissau	2009	..	*8	..	..	*8	*5
	2010	..	*8	..	..	*8	*5
	2011	..	*8	..	..	*8	*5
	2012	..	*8	..	..	*8	*5

Table 19

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Kenya	2009	142	180	..	..	322	8
	2010	149	167	..	..	316	8
	2011	118	150	..	..	268	6
	2012	67	240	..	..	307	7
Libya	2009	380	0	31	..	349	59
	2010	391	0	32	..	359	59
	2011	131	0	37	..	94	15
	2012	194	197	0	..	391	64
Madagascar	2009	..	29	..	-5	35	2
	2010	..	38	..	-3	40	2
	2011	..	42	..	-2	44	2
	2012	..	44	..	0	43	2
Malawi	2009	..	*22	..	..	*22	*2
	2010	..	*22	..	..	*22	*1
	2011	..	*22	..	..	*22	*1
	2012	..	*22	..	..	*22	*1
Mali	2009	..	*22	..	..	*22	*2
	2010	..	*22	..	..	*22	*2
	2011	..	*23	..	..	*23	*2
	2012	..	*23	..	..	*23	*2
Mauritius	2009	..	4	..	-2	6	5
	2010	..	7	..	-1	8	7
	2011	..	4	..	-1	5	4
	2012	..	7	..	3	4	3
Mozambique	2009	..	21	..	..	21	1
	2010	..	20	..	..	20	1
	2011	..	18	..	..	18	1
	2012	..	0	..	..	0	0
Niger	2009	..	3	..	0	2	0
	2010	..	1	..	-1	2	0
	2011	..	1	..	*-1	*2	0
	2012	..	0	..	*-2	*2	0
Nigeria	2009	286	572	..	..	858	6
	2010	584	1,512	..	..	2,096	13
	2011	674	1,416	..	..	2,090	13
	2012	544	1,945	..	..	2,489	15
Rwanda	2009	..	*12	..	..	*12	*1
	2010	..	*12	..	..	*12	*1
	2011	..	*14	..	..	*14	*1
	2012	..	*16	..	..	*16	*1
Sao Tome and Principe	2009	..	*3	..	..	*3	*17
	2010	..	3	..	..	3	19
	2011	..	*3	..	..	*3	*19
	2012	..	*4	..	..	*4	*19
Senegal	2009	3	..	..	..	3	0
	2010	3	..	..	..	3	0
	2011	3	..	..	..	3	0
	2012	1	..	..	..	1	0
Seychelles	2009	..	*1	..	..	*1	*11
	2010	..	*1	..	..	*1	*11
	2011	..	*1	..	..	*1	*11
	2012	..	*1	..	..	*1	*11

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Sierra Leone	2009	..	15	..	..	15	3
	2010	..	13	..	..	13	2
	2011	..	13	..	..	13	2
	2012	..	14	..	..	14	2
Somalia	2009	0	*28	..	..	*28	*3
	2010	0	*33	..	..	*33	*3
	2011	0	*33	..	..	*33	*3
	2012	0	*38	..	..	*38	*4
South Africa	2009	403	..	9	..	394	8
	2010	342	..	4	..	338	7
	2011	384	..	2	..	382	7
	2012	353	..	1	..	352	7
Sudan	2009	6	..	1	..	5	0
	2010	4	..	0	..	4	0
	2011	4	..	0	..	4	0
	2012	4	..	0	..	4	0
Swaziland	2009	..	*9	..	..	*9	*7
	2010	..	*9	..	..	*9	*7
	2011	..	*8	..	..	*8	*7
	2012	..	*8	..	..	*8	*6
Togo	2009	..	47	..	0	47	8
	2010	..	50	..	-1	51	8
	2011	..	53	..	0	53	8
	2012	..	57	..	..	57	9
Tunisia	2009	85	0	16	-17	86	8
	2010	16	37	0	7	46	4
	2011	40	14	0	-8	62	6
	2012	37	0	0	-8	45	4
Uganda	2009	..	53	..	..	53	2
	2010	..	64	..	..	64	2
	2011	..	62	..	..	62	2
	2012	..	*59	..	..	*59	*2
United Rep. of Tanzania	2009	..	154	..	..	154	4
	2010	..	208	..	..	208	5
	2011	..	125	..	..	125	3
	2012	..	66	..	..	66	1
Zambia	2009	28	..	14	..	14	1
	2010	30	..	12	..	18	1
	2011	32	..	13	..	19	1
	2012	34	..	18	..	16	1
Zimbabwe	2009	..	33	..	..	33	3
	2010	..	33	..	..	33	3
	2011	..	34	..	..	34	3
	2012	..	36	..	..	36	3
America, North	2009	2,505	343	324	32	2,491	5
	2010	1,577	333	122	-35	1,823	3
	2011	1,395	561	538	3	1,414	3
	2012	1,081	445	377	-54	1,203	2
Bahamas	2009	..	*4	..	..	*4	*11
	2010	..	*3	..	..	*3	*9
	2011	..	*3	..	..	*3	*9
	2012	..	*3	..	..	*3	*9

Table 19

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Barbados	2009	..	3	..	0	3	10
	2010	..	11	..	3	8	29
	2011	..	9	..	0	9	32
	2012	..	8	..	1	7	24
Belize	2009	..	..	..	..	..	..
	2010	..	1	..	..	1	3
	2011	..	*1	..	..	*1	*3
	2012	..	*1	..	..	*1	*3
Bermuda	2009	..	0	..	..	0	*5
	2010	..	0	..	..	0	*3
	2011	..	2	..	..	2	35
	2012	..	4	..	..	4	64
British Virgin Islands	2009	..	*4	..	..	*4	*143
	2010	..	*4	..	..	*4	*147
	2011	..	*4	..	..	*4	*144
	2012	..	*4	..	..	*4	*142
Canada	2009	1,286	49	75	-23	1,283	38
	2010	605	46	15	-15	651	19
	2011	488	338	5	-24	845	25
	2012	454	188	53	33	556	16
Costa Rica	2009	2	..	..	0	2	1
	2010	2	..	..	-2	4	1
	2011	2	..	..	0	2	0
	2012	0	..	..	0	0	0
Cuba	2009	24	..	..	..	24	2
	2010	0	..	..	..	0	0
	2011	4	..	..	..	4	0
	2012	31	..	..	..	31	3
Dominica	2009	..	*1	..	..	*1	*14
	2010	..	*1	..	..	*1	*14
	2011	..	*1	..	..	*1	*14
	2012	..	*1	..	..	*1	*14
Dominican Republic	2009	9	..	..	..	9	1
	2010	10	..	..	..	10	1
	2011	10	..	..	..	10	1
	2012	9	..	..	..	9	1
El Salvador	2009	2	2	..	..	4	1
	2010	2	2	..	..	4	1
	2011	2	2	..	..	4	1
	2012	1	3	..	..	4	1
Grenada	2009	..	2	..	2	0	2
	2010	..	0	..	0	0	2
	2011	..	0	..	0	0	1
	2012	..	0	..	0	0	1
Guadeloupe	2009	..	*7	..	..	*7	*15
	2010	..	*7	..	..	*7	*15
	2011	..	*7	..	..	*7	*15
	2012	..	*7	..	..	*7	*15
Guatemala	2009	1	20	..	12	9	1
	2010	0	18	..	2	16	1
	2011	1	21	..	3	19	1
	2012	1	39	..	0	40	3

Table 19

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Haiti	2009	..	56	..	..	56	6
	2010	..	64	..	..	64	6
	2011	..	56	..	..	56	6
	2012	..	16	..	..	16	2
Honduras	2009	..	19	..	-2	21	3
	2010	..	44	..	0	44	6
	2011	..	26	..	5	21	3
	2012	..	44	..	0	44	6
Jamaica	2009	1	1	..	..	2	1
	2010	2	0	..	..	2	1
	2011	*2	0	..	..	*2	*1
	2012	*6	0	..	..	*6	*2
Martinique	2009	*120	*2	*33	..	*89	*223
	2010	*116	*2	*33	..	*85	*211
	2011	*123	*2	*33	..	*91	*227
	2012	*125	*2	*33	..	*93	*231
Montserrat	2009	..	*1	..	..	*1	*203
	2010	..	*1	..	..	*1	*202
	2011	..	*1	..	..	*1	*200
	2012	..	*1	..	..	*1	*198
Nicaragua	2009	6	..	..	..	6	1
	2010	6	..	..	..	6	1
	2011	5	..	..	..	5	1
	2012	5	..	..	..	5	1
Panama	2009	..	33	..	..	33	9
	2010	..	24	..	..	24	7
	2011	..	30	..	..	30	8
	2012	..	65	..	..	65	17
St. Kitts-Nevis	2009	..	*12	..	..	*12	*232
	2010	..	*11	..	..	*11	*208
	2011	..	*11	..	..	*11	*208
	2012	..	*12	..	..	*12	*224
St. Lucia	2009	..	*1	..	..	*1	*6
	2010	..	*1	..	..	*1	*6
	2011	..	*1	..	..	*1	*6
	2012	..	*1	..	..	*1	*6
Trinidad and Tobago	2009	29	..	..	..	29	22
	2010	29	..	..	..	29	22
	2011	30	..	..	..	30	23
	2012	29	..	..	..	29	22
United States	2009	1,024	126	216	44	890	3
	2010	805	93	74	-23	847	3
	2011	728	45	500	19	254	1
	2012	420	47	291	-88	264	1
America, South	2009	364	27	..	8	382	1
	2010	464	19	..	-12	495	1
	2011	444	18	..	34	429	1
	2012	501	22	..	-23	545	1
Argentina	2009	11	..	..	..	11	0
	2010	44	..	..	..	44	1
	2011	36	..	..	-5	41	1
	2012	20	..	..	6	14	0

Table 19

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Bolivia (Plur. State of)	2009	16	..	..	..	16	2
	2010	16	..	..	..	16	2
	2011	16	..	..	..	16	2
	2012	15	..	..	..	15	1
Brazil	2009	19	..	..	0	19	0
	2010	20	..	..	0	20	0
	2011	25	..	..	1	24	0
	2012	19	..	..	0	19	0
Chile	2009	60	..	..	6	54	3
	2010	58	..	..	-12	70	4
	2011	78	..	..	29	49	3
	2012	100	..	..	-30	130	7
Colombia	2009	159	..	..	..	159	3
	2010	182	..	..	..	182	4
	2011	196	..	..	..	196	4
	2012	216	..	..	..	216	5
Ecuador	2009	2	..	..	..	2	0
	2010	4	..	..	..	4	0
	2011	5	..	..	..	5	0
	2012	5	..	..	..	5	0
Falkland Is. (Malvinas)	2009	..	*4	..	..	*4	*1,331
	2010	..	*4	..	..	*4	*1,226
	2011	..	*4	..	..	*4	*1,255
	2012	..	*4	..	..	*4	*1,318
French Guiana	2009	..	*1	..	..	*1	*4
	2010	..	*1	..	..	*1	*4
	2011	..	*1	..	..	*1	*4
	2012	..	*1	..	..	*1	*5
Guyana	2009	..	17	..	3	14	18
	2010	..	14	..	0	14	18
	2011	..	13	..	3	10	13
	2012	..	16	..	1	15	19
Peru	2009	72	..	..	0	72	2
	2010	67	..	..	0	67	2
	2011	66	..	..	6	60	2
	2012	49	..	..	0	49	2
Suriname	2009	..	5	..	..	5	10
	2010	..	0	..	..	0	1
	2011	..	0	..	..	0	1
	2012	..	0	..	..	0	1
Uruguay	2009	8	..	..	-1	8	2
	2010	8	..	..	0	8	2
	2011	8	..	..	0	8	2
	2012	9	..	..	1	8	2
Venezuela(Bolivar. Rep.)	2009	17	..	..	..	17	1
	2010	65	..	..	..	65	2
	2011	14	..	..	..	14	0
	2012	68	..	..	..	68	2
Asia	2009	69,539	8,676	19,806	-930	59,340	14
	2010	70,949	10,438	20,254	-429	61,562	15
	2011	69,522	12,005	20,324	934	60,270	14
	2012	71,184	11,071	21,470	97	60,688	14

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Afghanistan	2009	..	93	..	..	93	3
	2010	..	50	..	..	50	2
	2011	..	36	..	..	36	1
	2012	..	26	..	..	26	1
Azerbaijan	2009	7	0	..	-2	9	1
	2010	0	0	..	-1	1	0
	2011	0	0	..	0	1	0
	2012	0	20	..	0	19	2
Bahrain	2009	53	..	27	0	26	22
	2010	42	..	18	0	24	19
	2011	25	..	0	0	25	19
	2012	25	..	0	0	25	19
Bangladesh	2009	201	141	..	..	342	2
	2010	252	108	..	..	360	2
	2011	297	154	..	..	451	3
	2012	244	20	..	..	264	2
Bhutan	2009	..	4	..	..	4	6
	2010	..	5	..	..	5	6
	2011	..	5	..	..	5	6
	2012	..	4	..	..	4	6
Brunei Darussalam	2009	3	..	..	..	3	8
	2010	4	..	..	..	4	10
	2011	3	..	..	..	3	7
	2012	7	..	..	..	7	17
Cambodia	2009	..	72	..	..	72	5
	2010	..	78	..	..	78	5
	2011	..	80	..	..	80	5
	2012	..	81	..	..	81	5
China	2009	14,803	6,119	5,942	11	14,969	11
	2010	19,217	7,261	6,050	123	20,305	15
	2011	19,324	8,751	6,563	90	21,422	16
	2012	21,840	8,773	7,451	-37	23,199	17
China, Macao SAR	2009	..	3	..	..	3	6
	2010	..	1	..	..	1	2
	2011	..	*1	..	..	*1	*2
	2012	..	*1	..	..	*1	*2
Cyprus	2009	..	19	..	0	19	17
	2010	..	8	..	0	8	7
	2011	..	16	..	1	15	13
	2012	..	13	..	-2	15	13
India	2009	8,545	985	46	..	9,484	8
	2010	7,702	1,381	33	..	9,050	8
	2011	7,789	564	34	..	8,319	7
	2012	7,868	0	23	..	7,845	6
Indonesia	2009	3,794	42	0	-246	4,082	17
	2010	2,478	0	179	0	2,299	10
	2011	1,857	0	349	0	1,508	6
	2012	1,396	0	248	0	1,148	5
Iran (Islamic Rep. of)	2009	5,491	..	19	..	5,472	74
	2010	4,558	..	0	..	4,558	61
	2011	4,378	..	128	..	4,250	56
	2012	4,606	..	0	..	4,606	60

Table 19

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Iraq	2009	2,056	50	..	..	2,106	70
	2010	2,100	55	..	..	2,155	70
	2011	2,258	426	..	..	2,684	84
	2012	2,147	405	..	..	2,552	78
Israel	2009	468	340	337	0	471	65
	2010	590	292	520	0	362	49
	2011	527	393	470	40	410	54
	2012	367	430	377	0	420	55
Japan	2009	16,479	373	290	-137	16,699	131
	2010	15,993	857	160	-43	16,733	131
	2011	15,615	1,209	488	55	16,281	128
	2012	14,779	1,017	117	81	15,598	123
Jordan	2009	81	..	..	-30	111	18
	2010	85	..	..	16	69	11
	2011	58	..	..	-18	75	11
	2012	96	..	..	15	81	12
Kazakhstan	2009	171	1	25	7	140	9
	2010	224	2	80	-6	152	10
	2011	177	1	19	-2	161	10
	2012	167	48	6	32	177	11
Korea, Dem.Ppl's.Rep.	2009	35	1	..	..	36	1
	2010	36	1	..	..	37	2
	2011	36	1	..	..	37	2
	2012	36	1	..	..	37	1
Korea, Republic of	2009	4,642	10	705	-13	3,960	82
	2010	4,931	42	835	80	4,058	84
	2011	4,632	59	1,159	-65	3,597	74
	2012	4,200	19	981	-370	3,608	74
Kuwait	2009	5,805	..	5,768	..	37	13
	2010	5,981	..	5,944	..	37	12
	2011	5,912	..	5,869	..	43	14
	2012	6,401	..	6,353	..	48	15
Lao People's Dem. Rep.	2009	..	*22	..	..	*22	*3
	2010	..	*22	..	..	*22	*3
	2011	..	*22	..	..	*22	*3
	2012	..	*23	..	..	*23	*3
Malaysia	2009	547	143	581	1	108	4
	2010	468	148	433	1	182	6
	2011	406	144	680	-5	-125	-4
	2012	633	5	680	-1	-41	-1
Maldives	2009	..	1	..	..	1	3
	2010	..	0	..	..	0	0
	2011	..	0	..	..	0	1
	2012	..	0	..	..	0	0
Mongolia	2009	..	15	..	..	15	6
	2010	..	16	..	..	16	6
	2011	..	*20	..	..	*20	*7
	2012	..	*22	..	..	*22	*8
Myanmar	2009	1	..	..	..	1	0
	2010	2	..	..	..	2	0
	2011	2	..	..	..	2	0
	2012	1	..	..	..	1	0

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Nepal	2009	..	42	..	..	42	2
	2010	..	40	..	..	40	1
	2011	..	34	..	..	34	1
	2012	..	20	..	..	20	1
Oman	2009	8	..	..	..	8	3
	2010	4	..	..	..	4	1
	2011	4	..	..	..	4	1
	2012	4	..	..	..	4	1
Pakistan	2009	138	..	..	4	134	1
	2010	122	..	..	-11	134	1
	2011	132	..	..	3	129	1
	2012	*161	..	..	*-4	*165	*1
Philippines	2009	129	62	..	13	179	2
	2010	140	37	13	-19	184	2
	2011	100	32	7	-2	127	1
	2012	92	36	0	-3	131	1
Saudi Arabia	2009	5,100	..	5,467	-591	224	8
	2010	4,667	..	4,901	-439	205	8
	2011	4,878	..	3,525	1,139	214	8
	2012	5,124	..	4,834	65	225	8
Singapore	2009	601	40	551	90	0	0
	2010	679	0	729	-50	0	0
	2011	718	38	919	-163	0	0
	2012	718	21	346	393	0	0
Sri Lanka	2009	83	39	..	4	118	6
	2010	93	0	..	-12	105	5
	2011	93	0	..	-54	147	7
	2012	75	55	..	4	126	6
State of Palestine	2009	..	3	..	..	3	1
	2010	..	2	..	..	2	0
	2011	..	1	..	..	1	0
	2012	..	2	..	..	2	0
Syrian Arab Republic	2009	3	..	..	0	3	0
	2010	4	..	..	2	2	0
	2011	4	..	..	0	4	0
	2012	3	..	..	0	3	0
Thailand	2009	80	..	14	52	14	0
	2010	372	..	333	28	11	0
	2011	123	..	86	*26	11	0
	2012	61	..	25	*25	11	0
Turkey	2009	25	..	..	-12	37	1
	2010	39	..	..	-15	54	1
	2011	60	..	..	-5	65	1
	2012	45	..	..	-3	48	1
Uzbekistan	2009	69	..	..	..	69	3
	2010	59	..	..	..	59	2
	2011	56	..	..	..	56	2
	2012	50	..	..	..	50	2
Viet Nam	2009	..	56	*34	-80	102	1
	2010	..	32	26	-82	88	1
	2011	..	17	28	-106	95	1
	2012	..	29	29	-100	100	1

Table 19

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Yemen	2009	121	..	..	..	121	5
	2010	107	..	..	..	107	5
	2011	58	..	..	..	58	2
	2012	37	..	..	..	37	2
Europe	2009	8,767	3,036	1,282	55	10,466	14
	2010	9,303	3,941	1,519	-80	11,805	16
	2011	10,689	3,702	1,602	-19	12,808	17
	2012	12,482	2,413	1,374	-111	13,632	18
Austria	2009	3	2	..	..	5	1
	2010	3	1	..	..	4	0
	2011	0	1	..	..	1	0
	2012	16	6	..	..	22	3
Belarus	2009	361	0	351	1	9	1
	2010	251	0	252	11	-12	-1
	2011	274	0	241	3	30	3
	2012	146	0	162	-24	8	1
Belgium	2009	66	66	23	3	106	10
	2010	44	68	53	-4	63	6
	2011	36	113	112	19	18	2
	2012	35	100	79	2	54	5
Croatia	2009	0	1	0	0	1	0
	2010	0	1	0	0	1	0
	2011	0	1	0	0	1	0
	2012	0	1	0	0	1	0
Czech Republic	2009	..	4	..	..	4	0
	2010	..	3	..	..	3	0
	2011	..	3	..	..	3	0
	2012	..	3	..	..	3	0
Finland	2009	..	808	104	..	704	132
	2010	..	662	85	..	577	107
	2011	..	888	71	..	817	152
	2012	..	94	88	..	6	1
France	2009	53	224	26	-17	268	4
	2010	96	271	38	-5	334	5
	2011	1	293	32	1	261	4
	2012	0	461	67	-4	398	6
Germany	2009	3	14	1	2	14	0
	2010	6	21	1	0	26	0
	2011	5	18	0	0	23	0
	2012	3	11	0	-1	15	0
Greece	2009	54	27	13	3	65	6
	2010	12	0	3	-2	11	1
	2011	10	0	0	2	8	1
	2012	6	0	0	-2	8	1
Hungary	2009	..	0	..	..	0	0
	2010	..	0	..	..	0	0
	2011	..	2	..	..	2	0
	2012	..	0	..	..	0	0
Ireland	2009	200	510	0	18	692	157
	2010	209	722	140	7	784	175
	2011	117	596	0	-17	730	161
	2012	131	503	6	27	601	131

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Italy	2009	262	148	75	-15	350	6
	2010	136	409	245	-51	351	6
	2011	563	553	351	2	763	13
	2012	672	193	144	-30	751	12
Latvia	2009	..	0	0	0	0	0
	2010	..	0	0	0	0	0
	2011	..	6	2	4	0	0
	2012	..	0	4	-4	0	0
Luxembourg	2009	..	0	..	..	0	0
	2010	..	0	..	..	0	0
	2011	..	1	..	..	1	2
	2012	..	1	..	..	1	2
Netherlands	2009	373	532	354	99	452	27
	2010	288	705	377	-102	718	43
	2011	390	379	469	-16	316	19
	2012	585	217	435	-38	405	24
Norway	2009	108	17	90	-19	54	11
	2010	183	57	131	43	66	13
	2011	434	177	104	-43	550	111
	2012	223	10	248	0	-15	-3
Poland	2009	1	1	0	..	2	0
	2010	1	0	0	..	1	0
	2011	1	1	0	..	2	0
	2012	1	1	0	..	2	0
Portugal	2009	0	1	..	-1	2	0
	2010	2	1	..	1	2	0
	2011	1	1	..	0	2	0
	2012	1	1	..	-2	4	0
Romania	2009	12	1	0	-3	16	1
	2010	14	1	0	0	15	1
	2011	26	1	0	0	27	1
	2012	23	1	0	0	24	1
Slovakia	2009	1	7	1	0	7	1
	2010	1	2	0	1	2	0
	2011	2	0	0	-1	3	1
	2012	1	0	0	0	1	0
Spain	2009	4,440	..	..	-10	4,450	97
	2010	5,487	13	..	15	5,485	119
	2011	6,452	15	..	0	6,467	139
	2012	8,371	0	..	2	8,369	179
Sweden	2009	..	2	3	0	-1	0
	2010	..	2	3	0	-1	0
	2011	..	1	0	0	1	0
	2012	..	1	0	0	1	0
Switzerland	2009	..	2	..	..	2	0
	2010	..	3	..	..	3	0
	2011	..	3	..	..	3	0
	2012	..	3	..	..	3	0
Ukraine	2009	..	1	..	-2	3	0
	2010	..	27	..	1	26	1
	2011	..	31	47	-2	-14	0
	2012	..	104	29	3	72	2

Table 19

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
United Kingdom	2009	2,830	668	241	-4	3,261	53
	2010	2,570	972	191	5	3,346	54
	2011	2,377	618	173	29	2,793	45
	2012	2,268	702	112	-40	2,898	46
Oceania	2009	59	68	..	-8	135	4
	2010	30	55	..	-3	88	2
	2011	13	49	..	-2	64	2
	2012	1	49	..	1	49	1
Australia	2009	58	..	..	-6	64	3
	2010	28	..	..	-3	31	1
	2011	11	..	..	-2	13	1
	2012	1	..	..	1	0	0
French Polynesia	2009	..	*1	..	..	*1	*4
	2010	..	*1	..	..	*1	*4
	2011	..	*1	..	..	*1	*4
	2012	..	*1	..	..	*1	*4
Kiribati	2009	..	*2	..	..	*2	*21
	2010	..	*3	..	..	*3	*31
	2011	..	*3	..	..	*3	*29
	2012	..	*3	..	..	*3	*29
New Caledonia	2009	..	7	..	..	7	31
	2010	..	0	..	..	0	0
	2011	..	0	..	..	0	0
	2012	..	0	..	..	0	0
New Zealand	2009	1	..	..	-2	3	1
	2010	2	..	..	0	2	0
	2011	2	..	..	0	2	0
	2012	0	..	..	0	0	0
Niue	2009	..	0	..	..	0	*13
	2010	..	0	..	..	0	*16
	2011	..	0	..	..	0	*17
	2012	..	0	..	..	0	*18
Palau	2009	..	*2	..	..	*2	*98
	2010	..	*2	..	..	*2	*98
	2011	..	*2	..	..	*2	*97
	2012	..	*2	..	..	*2	*96
Papua New Guinea	2009	..	40	..	..	40	6
	2010	..	35	..	..	35	5
	2011	..	27	..	..	27	4
	2012	..	*27	..	..	*27	*4
Samoa	2009	..	*9	..	..	*9	*49
	2010	..	*9	..	..	*9	*49
	2011	..	12	..	..	12	64
	2012	..	*13	..	..	*13	*67
Solomon Islands	2009	..	*3	..	..	*3	*5
	2010	..	*3	..	..	*3	*5
	2011	..	*3	..	..	*3	*5
	2012	..	*3	..	..	*3	*5
Tonga	2009	..	4	..	..	4	38
	2010	..	2	..	..	2	18
	2011	..	1	..	..	1	7
	2012	..	1	..	..	1	5

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per Capita
Vanuatu	2009	..	0	..	0	0	1
	2010	..	0	..	0	0	*1
	2011	..	1	..	0	0	1
	2012	..	0	..	0	0	*1

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Table Notes

Data refer to aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

For China, data on jet fuels are included with other kerosene (Table 19).

Production includes output from refineries and plants.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification.

Figure 54: Production of jet fuels by region, 1990-2012

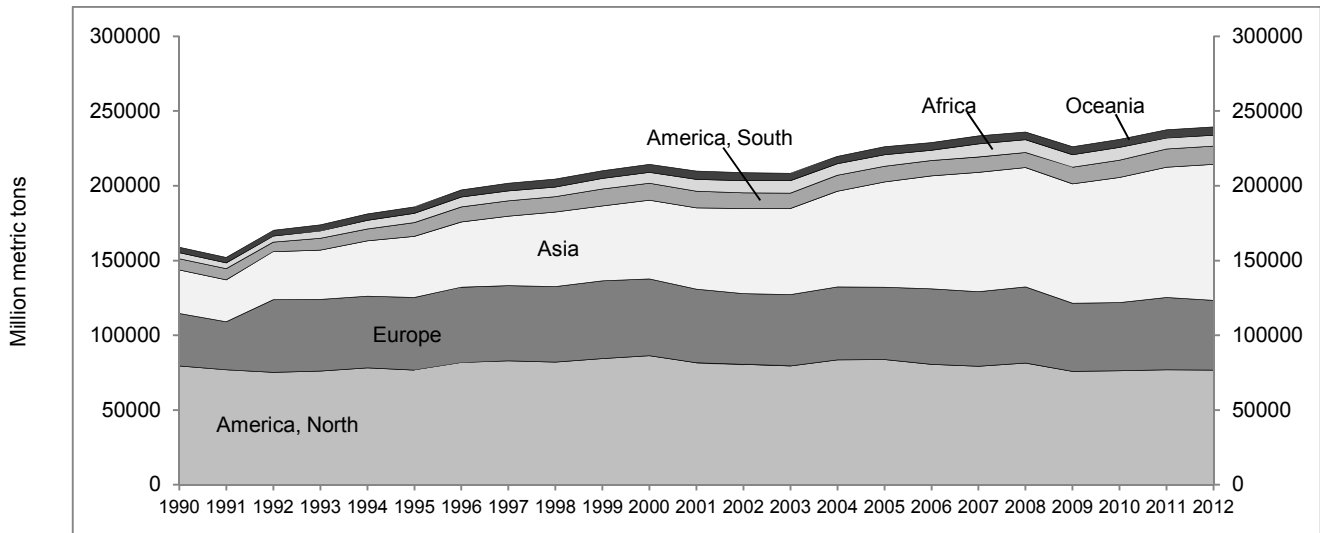


Figure 55: Major jet fuel producing countries, 2012

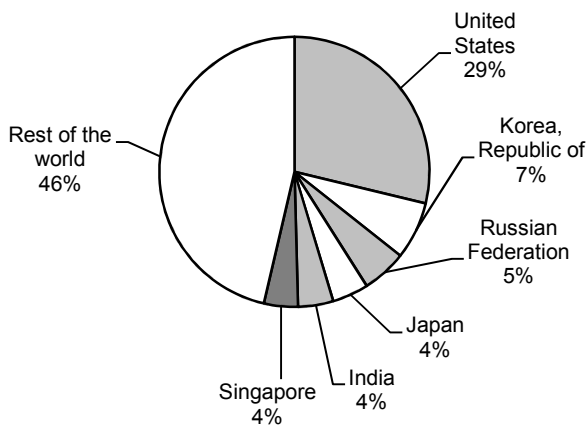
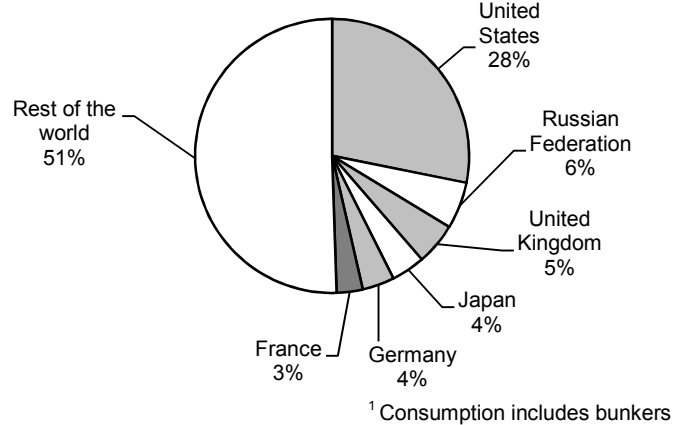


Figure 56: Major jet fuel consuming¹ countries, 2012



Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
World	2009	226,149	57,421	62,219	132,160	707	88,485	13
	2010	230,997	60,953	62,577	137,119	500	91,754	13
	2011	237,526	60,465	63,155	142,728	156	91,952	13
	2012	239,417	59,471	65,514	144,140	105	89,129	13
Africa	2009	8,268	3,619	3,019	6,618	-34	2,284	2
	2010	8,581	3,752	3,178	6,484	345	2,327	2
	2011	7,473	3,645	2,378	6,481	-15	2,274	2
	2012	7,389	4,525	2,508	7,081	24	2,300	2
Algeria	2009	969	..	357	450	7	155	4
	2010	1,409	..	927	450	-2	34	1
	2011	1,209	..	750	454	2	3	0
	2012	1,204	..	683	506	-7	22	1
Angola	2009	356	59	9	193	0	213	11
	2010	303	119	2	200	0	220	11
	2011	268	173	7	207	0	227	11
	2012	215	241	7	214	0	235	11
Benin	2009	..	86	..	86	..	0	0
	2010	..	149	..	149	..	0	0
	2011	..	154	..	154	..	0	0
	2012	..	162	..	162	..	0	0
Botswana	2009	..	17	..	15	..	2	1
	2010	..	18	..	16	..	2	1
	2011	..	19	..	17	..	2	1
	2012	..	20	..	18	..	2	1
Burkina Faso	2009	..	32	..	15	*13	4	0
	2010	..	38	..	*35	0	3	0
	2011	..	41	..	*41	0	0	0
	2012	..	43	..	*43	0	0	0
Burundi	2009	..	6	..	6	0	0	0
	2010	..	4	..	5	0	0	0
	2011	..	5	..	4	1	0	0
	2012	..	4	..	4	0	0	0
Cabo Verde	2009	..	*60	..	*54	..	*6	*12
	2010	..	*62	..	58	..	*5	*9
	2011	..	*55	..	51	..	*4	*8
	2012	..	*73	..	59	..	*14	*29
Cameroon	2009	292	2	130	67	-12	109	5
	2010	332	3	152	65	-12	130	6
	2011	322	3	160	68	0	97	5
	2012	316	3	147	71	0	101	5
Central African Rep.	2009	..	*30	..	*30	..	0	0
	2010	..	*31	..	*31	..	0	0
	2011	..	*31	..	*31	..	0	0
	2012	..	*33	..	*33	..	0	0
Chad	2009	..	*24	..	*18	..	*6	*1
	2010	..	*25	..	*18	..	*7	*1
	2011	..	*25	..	*18	..	*7	*1
	2012	..	*25	..	*18	..	*7	*1
Comoros	2009	..	*4	..	*2	..	*2	*3
	2010	..	*5	..	*2	..	*2	*4
	2011	..	*6	..	*3	..	*3	*4
	2012	..	6	..	*3	..	3	4

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Congo	2009	56	42	..	60	-2	40	10
	2010	47	44	..	60	4	27	7
	2011	39	52	..	56	-4	39	9
	2012	57	18	..	60	0	15	3
Côte d'Ivoire	2009	773	..	718	55	..	0	0
	2010	672	..	616	56	..	0	0
	2011	579	..	526	53	..	0	0
	2012	792	..	734	58	..	0	0
Dem. Rep. of the Congo	2009	..	15	..	15	..	0	0
	2010	..	152	..	147	..	5	0
	2011	..	157	..	157	..	0	0
	2012	..	151	..	151	..	0	0
Djibouti	2009	..	79	..	79	..	0	0
	2010	..	88	..	88	..	0	0
	2011	..	82	..	82	..	0	0
	2012	..	*83	..	*83	..	0	0
Egypt	2009	2,016	0	482	950	..	584	8
	2010	1,908	0	544	808	..	556	7
	2011	1,519	0	183	771	..	565	7
	2012	1,505	129	311	815	..	508	6
Equatorial Guinea	2009	..	*35	..	*35	..	0	0
	2010	..	*35	..	*35	..	0	0
	2011	..	*35	..	*35	..	0	0
	2012	..	*35	..	*35	..	0	0
Eritrea	2009	..	1	..	1	0	0	0
	2010	..	1	..	1	0	0	0
	2011	..	1	..	1	0	0	0
	2012	..	1	..	1	0	0	0
Ethiopia	2009	..	248	..	211	..	37	0
	2010	..	320	..	272	..	48	1
	2011	..	320	..	272	..	48	1
	2012	..	348	..	296	..	52	1
Gabon	2009	61	23	20	52	12	0	0
	2010	65	23	21	56	11	0	0
	2011	65	25	21	60	9	0	0
	2012	63	28	20	63	8	0	0
Ghana	2009	1	88	..	84	..	6	0
	2010	117	5	..	102	..	20	1
	2011	116	*5	..	127	..	-6	0
	2012	48	101	..	125	..	23	1
Guinea	2009	..	*29	..	*25	..	*5	0
	2010	..	*30	..	*25	..	*5	0
	2011	..	*30	..	*25	..	*5	0
	2012	..	*30	..	*25	..	*5	0
Guinea-Bissau	2009	..	*11	..	*11	..	0	0
	2010	..	*11	..	*11	..	0	0
	2011	..	*11	..	*11	..	0	0
	2012	..	*11	..	*11	..	0	0
Kenya	2009	217	388	1	571	32	1	0
	2010	200	512	1	673	35	3	0
	2011	275	399	0	671	0	3	0
	2012	157	516	0	671	0	2	0

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Liberia	2009	..	15	..	*4	..	11	3
	2010	..	19	..	*5	..	14	4
	2011	..	19	..	*5	..	15	4
	2012	..	29	..	*7	..	22	5
Libya	2009	1,503	..	1,257	239	0	7	1
	2010	1,428	..	859	193	368	8	1
	2011	656	..	603	50	0	3	0
	2012	742	..	530	208	..	4	1
Madagascar	2009	..	65	..	38	-5	32	2
	2010	..	88	..	49	-1	40	2
	2011	..	63	..	62	2	0	0
	2012	..	68	..	63	5	0	0
Malawi	2009	..	*13	..	..	..	*13	*1
	2010	..	*13	..	..	..	*13	*1
	2011	..	*13	..	..	..	*13	*1
	2012	..	*13	..	..	..	*13	*1
Mali	2009	..	*20	..	*20	..	0	0
	2010	..	*21	..	*21	..	0	0
	2011	..	*21	..	*21	..	0	0
	2012	..	*22	..	*22	..	0	0
Mauritania	2009	..	22	..	21	..	1	0
	2010	..	19	..	18	..	1	0
	2011	..	18	..	17	..	1	0
	2012	..	24	..	23	..	1	0
Mauritius	2009	..	205	..	113	-14	106	86
	2010	..	235	..	115	1	119	97
	2011	..	226	..	119	-22	129	104
	2012	..	213	..	110	-38	141	114
Morocco	2009	257	167	..	488	-64	0	0
	2010	410	102	..	560	-48	0	0
	2011	553	88	..	629	12	0	0
	2012	877	50	..	923	4	0	0
Mozambique	2009	..	67	..	67	..	0	0
	2010	..	64	..	64	..	0	0
	2011	..	59	..	59	..	0	0
	2012	..	70	..	65	..	5	0
Namibia	2009	..	43	..	35	..	8	4
	2010	..	45	..	37	..	8	4
	2011	..	15	..	*13	..	3	1
	2012	..	46	..	*39	..	7	3
Niger	2009	..	11	..	12	0	0	0
	2010	..	15	..	11	*3	0	0
	2011	..	14	..	11	*2	0	0
	2012	..	48	..	8	*39	0	0
Nigeria	2009	33	601	..	634	..	0	0
	2010	67	98	..	165	..	0	0
	2011	77	107	..	184	..	0	0
	2012	62	115	..	177	..	0	0
Réunion	2009	..	163	..	..	-1	164	197
	2010	..	180	..	..	2	178	211
	2011	..	199	..	..	-3	202	236
	2012	..	185	..	..	6	179	207

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Rwanda	2009	..	*25	..	*14	..	*11	*1
	2010	..	*27	..	*15	..	*12	*1
	2011	..	*31	..	*17	..	*14	*1
	2012	..	*35	..	*20	..	*16	*1
Sao Tome and Principe	2009	..	*10	..	*9	..	*1	*6
	2010	..	11	..	10	..	1	6
	2011	..	*11	..	*10	..	*1	*5
	2012	..	*11	..	*10	..	*1	*5
Senegal	2009	68	*145	..	251	*6	-44	-3
	2010	37	188	..	220	2	3	0
	2011	63	154	..	207	2	8	1
	2012	8	194	..	199	0	3	0
Seychelles	2009	..	48	..	*40	..	8	93
	2010	..	50	..	*42	..	8	91
	2011	..	40	..	*35	..	5	49
	2012	..	38	..	*33	..	5	59
Sierra Leone	2009	..	*8	..	*8	..	0	0
	2010	..	*8	..	*8	..	0	0
	2011	..	*8	..	*8	..	0	0
	2012	..	*8	..	*8	..	0	0
Somalia	2009	0	*42	..	42	..	0	0
	2010	0	*42	..	42	..	0	0
	2011	0	*38	..	38	..	0	0
	2012	0	*42	..	42	..	0	0
South Africa	2009	1,489	108	45	845	..	707	14
	2010	1,382	236	56	826	..	736	14
	2011	1,551	224	128	868	..	779	15
	2012	1,191	551	76	851	..	815	16
Sudan	2009	149	107	..	256	..	0	0
	2010	174	92	..	266	..	0	0
	2011	149	158	..	307	..	0	0
	2012	118	101	..	219	..	0	0
Swaziland	2009	..	*1	..	*1	..	0	0
	2010	..	*1	..	*1	..	0	0
	2011	..	*1	..	*1	..	0	0
	2012	..	*1	..	*1	..	0	0
Togo	2009	..	72	..	69	2	1	0
	2010	..	74	..	69	-4	9	1
	2011	..	59	..	65	-7	1	0
	2012	..	65	..	70	-7	2	0
Tunisia	2009	..	193	..	196	-8	5	0
	2010	..	249	..	244	-15	20	2
	2011	..	238	..	234	-9	13	1
	2012	..	300	..	282	14	4	0
Uganda	2009	..	*83	..	..	..	*83	*3
	2010	..	*86	..	..	..	*86	*3
	2011	..	90	..	..	..	90	3
	2012	..	*92	..	..	..	*92	*3
United Rep. of Tanzania	2009	..	99	..	99	..	0	0
	2010	..	106	..	106	..	0	0
	2011	..	113	..	113	..	0	0
	2012	..	121	..	121	..	0	0

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Zambia	2009	28	1	..	29	..	0	0
	2010	30	3	..	29	..	4	0
	2011	32	2	..	32	..	2	0
	2012	34	15	..	49	..	0	0
Zimbabwe	2009	..	7	..	7	..	0	0
	2010	..	8	..	8	..	0	0
	2011	..	9	..	9	..	0	0
	2012	..	9	..	9	..	0	0
America, North	2009	75,756	5,927	5,201	25,461	665	50,355	93
	2010	76,170	7,553	5,504	26,320	-63	51,962	95
	2011	76,945	8,221	6,174	26,257	-266	53,001	96
	2012	76,783	6,692	7,282	25,970	-65	50,288	90
Antigua and Barbuda	2009	..	*85	..	*52	..	*33	*380
	2010	..	*77	..	*43	..	*34	*384
	2011	..	*77	..	45	..	*32	*366
	2012	..	*78	..	46	..	*32	*362
Aruba	2009	..	*79	..	*79	..	0	0
	2010	..	*77	..	*77	..	0	0
	2011	..	*78	..	*78	..	0	0
	2012	..	*81	..	*81	..	0	0
Bahamas	2009	..	66	*8	*57	..	0	1
	2010	..	87	*8	*79	..	0	1
	2011	..	86	*8	*78	..	0	1
	2012	..	89	*8	*80	..	0	1
Barbados	2009	..	*124	..	*124	..	0	0
	2010	..	126	..	126	..	0	0
	2011	..	141	..	141	..	0	0
	2012	..	114	..	114	..	0	0
Belize	2009	..	*15	..	*15	..	0	*2
	2010	..	14	..	13	..	0	2
	2011	..	*13	..	*12	..	0	*2
	2012	..	*16	..	*16	..	0	*1
Bermuda	2009	..	*50	..	*50	..	0	0
	2010	..	*50	..	*50	..	0	0
	2011	..	12	..	*12	..	0	0
	2012	..	*12	..	*12	..	0	0
Canada	2009	3,945	1,279	316	720	20	4,168	123
	2010	3,928	1,461	391	1,069	-133	4,062	119
	2011	3,291	2,913	252	911	12	5,029	146
	2012	3,650	1,478	302	942	56	3,828	110
Cayman Islands	2009	..	11	..	*10	..	1	18
	2010	..	11	..	*10	..	1	18
	2011	..	12	..	*11	..	1	18
	2012	..	13	..	*12	..	1	17
Costa Rica	2009	15	146	1	..	-3	163	36
	2010	39	128	1	..	4	163	35
	2011	0	184	0	..	5	179	38
	2012	0	175	0	..	1	174	36
Cuba	2009	295	300	..	*132	..	463	41
	2010	329	577	..	*134	..	772	68
	2011	354	578	..	*134	..	798	71
	2012	284	264	..	*134	..	414	37

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Dominica	2009	..	*1	..	*1	..	0	0
	2010	..	*1	..	*1	..	0	0
	2011	..	*1	..	*1	..	0	0
	2012	..	*1	..	*1	..	0	0
Dominican Republic	2009	220	207	..	*419	0	8	1
	2010	231	173	..	*395	0	9	1
	2011	241	192	..	*425	0	8	1
	2012	226	260	..	*478	0	8	1
El Salvador	2009	55	56	0	111	..	0	0
	2010	53	55	0	108	..	0	0
	2011	54	56	0	110	..	0	0
	2012	35	87	0	122	..	0	0
Greenland	2009	..	19	..	..	2	17	306
	2010	..	18	..	..	-2	19	342
	2011	..	21	..	..	-2	23	411
	2012	..	17	..	..	-2	19	329
Grenada	2009	..	5	..	5	..	0	0
	2010	..	5	..	5	..	0	0
	2011	..	5	..	5	..	0	0
	2012	..	4	..	4	..	0	0
Guadeloupe	2009	..	*138	..	*138	..	0	0
	2010	..	*138	..	*138	..	0	0
	2011	..	*140	..	140	..	0	0
	2012	..	*140	..	*140	..	0	0
Guatemala	2009	1	56	..	23	34	0	0
	2010	0	61	..	63	-2	0	0
	2011	0	57	..	57	0	0	0
	2012	0	39	..	41	-2	0	0
Haiti	2009	..	17	..	17	..	0	0
	2010	..	20	..	20	..	0	0
	2011	..	17	..	17	..	0	0
	2012	..	55	..	52	..	3	0
Honduras	2009	..	47	..	47	..	0	0
	2010	..	46	..	46	..	0	0
	2011	..	22	..	22	..	0	0
	2012	..	46	..	46	..	0	0
Jamaica	2009	86	79	..	164	1	0	0
	2010	99	87	..	187	0	0	0
	2011	*91	*98	..	185	4	0	0
	2012	*95	*93	..	181	6	0	0
Mexico	2009	2,603	69	193	2,521	-16	-26	0
	2010	2,366	201	60	2,560	12	-65	-1
	2011	2,568	63	80	2,573	33	-55	0
	2012	2,590	170	0	2,723	-4	41	0
Netherlands Antilles	2009	720	82	717	85	..	0	0
	2010	327	84	324	87	..	0	0
	2011	641	85	638	88	..	0	0
	2012	668	84	665	87	..	0	0
Nicaragua	2009	22	1	0	19	2	2	0
	2010	22	1	0	18	-3	8	1
	2011	30	1	0	20	2	9	2
	2012	20	7	4	21	-1	3	1

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Panama	2009	..	311	..	299	-45	57	16
	2010	..	365	..	345	-64	84	23
	2011	..	428	..	389	-39	78	21
	2012	..	468	..	434	0	34	9
Trinidad and Tobago	2009	764	2	300	367	-1	100	76
	2010	556	3	219	267	-28	101	76
	2011	655	0	246	301	6	102	77
	2012	397	0	138	169	-9	99	74
United States	2009	67,029	2,682	3,666	20,006	671	45,368	147
	2010	68,219	3,689	4,501	20,480	154	46,773	150
	2011	69,019	2,940	4,950	20,501	-287	46,795	149
	2012	68,819	2,901	6,165	20,034	-110	45,631	144
America, South	2009	11,206	1,366	4,230	4,428	-266	4,180	11
	2010	11,370	2,076	3,475	5,540	-306	4,737	12
	2011	12,053	2,101	3,967	5,739	-475	4,924	12
	2012	12,214	2,295	3,375	6,503	-280	4,911	12
Argentina	2009	1,292	26	..	558	0	760	19
	2010	1,316	45	..	606	-7	762	19
	2011	1,276	90	..	694	14	658	16
	2012	1,344	40	..	693	8	683	17
Bolivia (Plur. State of)	2009	133	2	..	42	2	91	9
	2010	137	4	..	44	2	95	9
	2011	151	0	..	48	1	102	10
	2012	136	0	..	42	1	93	9
Brazil	2009	3,532	1,031	72	1,582	35	2,874	15
	2010	3,843	1,562	93	1,864	13	3,435	18
	2011	4,413	1,465	94	2,054	77	3,653	19
	2012	4,449	1,520	109	2,135	-20	3,745	19
Chile	2009	616	142	0	412	-16	362	21
	2010	593	286	0	482	9	388	23
	2011	569	259	1	415	-30	442	26
	2012	617	466	0	668	23	392	22
Colombia	2009	975	2	196	677	56	48	1
	2010	1,011	23	141	*882	0	11	0
	2011	1,234	15	86	*1,144	7	12	0
	2012	1,258	33	29	*1,233	17	12	0
Ecuador	2009	343	11	..	326	18	10	1
	2010	340	11	..	325	22	4	0
	2011	348	3	..	334	17	0	0
	2012	348	3	..	319	29	3	0
French Guiana	2009	..	*42	..	*39	..	*3	*13
	2010	..	*42	..	*39	..	*3	*13
	2011	..	*43	..	*40	..	*3	*13
	2012	..	*44	..	*40	..	*4	*16
Guyana	2009	..	10	..	9	0	1	1
	2010	..	10	..	9	0	1	1
	2011	..	11	..	9	0	2	2
	2012	..	17	..	15	0	3	3
Paraguay	2009	..	24	..	21	0	3	0
	2010	..	30	..	26	0	3	0
	2011	..	30	..	26	0	3	0
	2012	..	32	..	29	0	3	0

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Peru	2009	559	45	405	551	-353	1	0
	2010	605	14	445	613	-440	1	0
	2011	597	92	500	753	-565	1	0
	2012	681	70	519	645	-393	-20	-1
Suriname	2009	..	24	..	..	..	24	46
	2010	..	42	..	..	..	42	80
	2011	..	44	..	..	..	44	82
	2012	..	45	..	..	..	45	85
Uruguay	2009	61	7	0	64	0	5	1
	2010	74	8	0	74	3	4	1
	2011	50	50	0	92	4	4	1
	2012	72	24	0	92	0	5	2
Venezuela(Bolivar. Rep.)	2009	3,695	..	3,557	147	-8	-1	0
	2010	3,451	..	2,796	576	91	-12	0
	2011	3,415	..	3,286	129	0	0	0
	2012	3,309	..	2,718	593	55	-57	-2
Asia	2009	79,911	12,570	35,516	41,903	-310	15,372	4
	2010	83,683	14,367	36,076	44,686	719	16,570	4
	2011	87,101	14,803	36,738	48,478	919	15,769	4
	2012	90,907	13,627	37,754	49,513	946	16,320	4
Afghanistan	2009	..	93	..	10	..	83	3
	2010	..	32	..	10	..	22	1
	2011	..	60	..	10	..	50	2
	2012	..	51	..	10	..	41	1
Armenia	2009	..	29	1	29	..	0	0
	2010	..	43	0	*43	..	0	0
	2011	..	44	0	*44	..	0	0
	2012	..	47	0	*47	..	0	0
Azerbaijan	2009	603	..	272	302	-33	62	7
	2010	600	..	115	392	-2	96	11
	2011	621	..	79	425	13	104	11
	2012	626	..	146	371	-7	116	12
Bahrain	2009	2,757	..	2,040	666	44	7	6
	2010	3,090	..	2,416	624	28	22	18
	2011	3,026	..	2,466	581	-44	23	18
	2012	3,083	..	2,456	551	47	29	22
Bangladesh	2009	6	257	..	254	9	0	0
	2010	3	340	..	287	56	0	0
	2011	2	318	..	336	-16	0	0
	2012	4	340	..	312	32	0	0
Bhutan	2009	..	1	..	1	..	0	0
	2010	..	1	..	1	..	0	0
	2011	..	*1	..	*1	..	0	0
	2012	..	2	..	2	..	0	0
Brunei Darussalam	2009	93	0	0	85	0	8	20
	2010	104	3	0	104	1	2	5
	2011	102	17	11	107	1	0	0
	2012	47	32	7	80	-3	-5	-12
Cambodia	2009	..	29	..	23	..	6	0
	2010	..	31	..	25	..	6	0
	2011	..	34	..	27	..	7	0
	2012	..	37	..	29	..	8	1

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
China	2009	504	..	..	..	..	504	0
	2010	554	..	..	..	..	554	0
	2011	583	..	..	..	..	583	0
	2012	626	..	..	..	..	626	0
China, Hong Kong SAR	2009	..	4,835	132	4,738	-59	24	3
	2010	..	5,412	140	5,236	17	19	3
	2011	..	5,787	244	5,508	56	-21	-3
	2012	..	5,492	200	5,437	-152	7	1
Cyprus	2009	..	285	..	265	0	20	18
	2010	..	277	..	270	8	-1	-1
	2011	..	284	..	294	-5	-5	-4
	2012	..	265	..	264	-4	5	4
Georgia	2009	..	57	0	57	0	0	0
	2010	..	64	0	64	0	0	0
	2011	..	57	0	35	4	18	4
	2012	..	51	0	*37	0	14	3
India	2009	9,296	3	4,588	4,719	..	-8	0
	2010	9,570	2	4,478	4,719	..	375	0
	2011	10,051	0	4,561	4,719	..	771	1
	2012	10,077	0	4,664	4,719	..	694	1
Indonesia	2009	1,913	195	0	72	..	2,036	9
	2010	1,792	488	1	105	..	2,173	9
	2011	2,153	649	1	680	..	2,121	9
	2012	2,403	564	2	722	..	2,243	9
Iran(Islamic Rep. of)	2009	1,233	1	0	1,192	..	42	1
	2010	1,307	1	7	1,225	..	76	1
	2011	1,140	1	0	1,145	..	-4	0
	2012	1,165	0	0	1,137	..	29	0
Iraq	2009	159	..	..	..	..	159	5
	2010	295	..	..	..	..	295	10
	2011	308	600	..	908	..	0	0
	2012	291	72	..	363	..	0	0
Israel	2009	761	..	..	761	..	0	0
	2010	761	..	..	761	..	0	0
	2011	813	..	..	813	..	0	0
	2012	786	..	..	786	..	0	0
Japan	2009	10,625	337	1,967	4,898	19	4,078	32
	2010	10,984	307	2,100	5,203	-53	4,041	32
	2011	10,037	998	2,007	5,802	-76	3,302	26
	2012	10,404	1,235	2,171	6,086	196	3,186	25
Jordan	2009	316	1	..	104	-10	223	36
	2010	351	1	..	122	-9	239	37
	2011	338	1	..	113	6	220	33
	2012	366	1	..	129	5	233	33
Kazakhstan	2009	203	69	..	181	1	90	6
	2010	267	114	..	203	2	176	11
	2011	210	113	..	158	-1	166	10
	2012	200	95	..	197	9	89	5
Korea, Republic of	2009	12,945	0	8,873	3,471	-26	627	13
	2010	13,639	2	9,010	3,775	34	822	17
	2011	14,902	3	10,244	3,808	50	803	16
	2012	16,484	2	11,545	3,810	70	1,061	22

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Kuwait	2009	2,491	..	1,729	762	..	0	0
	2010	2,567	..	1,857	710	..	0	0
	2011	2,538	..	1,855	683	..	0	0
	2012	2,748	..	1,947	801	..	0	0
Kyrgyzstan	2009	..	630	299	331	..	0	0
	2010	..	321	52	269	..	0	0
	2011	..	118	67	51	..	0	0
	2012	..	118	67	51	..	0	0
Lao People's Dem. Rep.	2009	..	*22	..	..	..	*22	*3
	2010	..	*22	..	..	..	*22	*3
	2011	..	*22	..	..	..	*22	*3
	2012	..	*22	..	..	..	*22	*3
Lebanon	2009	..	175	..	175	..	0	0
	2010	..	221	..	221	..	0	0
	2011	..	224	..	224	..	0	0
	2012	..	207	..	207	..	0	0
Malaysia	2009	2,990	49	758	*1,438	215	628	23
	2010	2,802	390	706	*1,615	209	662	23
	2011	3,348	480	661	1,730	799	638	22
	2012	3,794	336	976	1,709	743	702	24
Maldives	2009	..	26	..	..	..	26	80
	2010	..	21	..	..	..	21	66
	2011	..	31	..	..	..	31	92
	2012	..	94	..	..	..	94	277
Myanmar	2009	40	24	..	16	-4	52	1
	2010	47	31	..	18	-14	74	1
	2011	45	31	..	18	-2	60	1
	2012	35	60	..	34	-9	70	1
Nepal	2009	..	64	..	64	..	0	0
	2010	..	79	..	79	..	0	0
	2011	..	*89	..	*89	..	0	0
	2012	..	*94	..	*94	..	0	0
Oman	2009	749	0	442	307	..	0	0
	2010	590	0	183	407	..	0	0
	2011	632	0	257	375	..	0	0
	2012	712	0	309	403	..	0	0
Other Asia	2009	4,502	0	2,589	1,755	-119	277	12
	2010	3,829	0	1,543	1,980	10	296	13
	2011	3,379	40	1,121	1,975	-47	370	16
	2012	3,870	0	1,319	2,076	32	443	19
Pakistan	2009	938	606	631	178	8	728	4
	2010	824	803	642	158	-17	844	5
	2011	703	271	118	200	-13	669	4
	2012	*663	*271	*118	*194	*-21	*643	*4
Philippines	2009	675	514	..	989	40	161	2
	2010	786	456	..	1,002	5	234	3
	2011	783	622	..	1,085	-12	332	3
	2012	693	758	..	1,096	0	355	4
Qatar	2009	1,352	..	407	945	0	0	0
	2010	3,199	..	2,011	1,102	86	0	0
	2011	3,581	..	2,105	1,454	22	0	0
	2012	3,387	..	1,650	1,797	-60	0	0

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Saudi Arabia	2009	3,030	..	450	1,935	..	645	24
	2010	2,773	..	46	2,045	..	682	25
	2011	2,898	..	98	2,100	..	700	25
	2012	3,045	..	148	2,173	..	724	26
Singapore	2009	8,248	2,904	6,755	*4,397	..	0	0
	2010	8,313	3,384	6,770	*4,927	..	0	0
	2011	9,441	2,093	5,774	*5,760	..	0	0
	2012	9,744	1,490	4,806	*6,428	..	0	0
Sri Lanka	2009	195	52	..	90	-17	174	8
	2010	126	223	..	138	6	205	10
	2011	155	244	..	308	84	7	0
	2012	93	288	..	388	-37	30	1
Syrian Arab Republic	2009	196	..	80	43	0	73	3
	2010	354	..	114	30	150	60	3
	2011	347	..	259	29	0	59	3
	2012	246	..	176	23	0	47	2
Tajikistan	2009	..	27	..	27	..	0	0
	2010	..	29	..	29	..	0	0
	2011	..	31	..	31	..	0	0
	2012	..	33	..	33	..	0	0
Thailand	2009	4,586	8	1,234	..	-42	3,402	51
	2010	4,756	2	1,078	..	63	3,617	54
	2011	4,816	8	919	..	*19	3,886	58
	2012	4,471	2	574	..	*13	3,886	58
Turkey	2009	2,004	621	663	1,385	-135	712	10
	2010	2,613	433	1,322	1,184	138	402	6
	2011	2,879	568	1,997	1,133	3	314	4
	2012	3,277	589	2,437	1,003	45	381	5
Turkmenistan	2009	480	..	..	480	..	0	0
	2010	530	..	..	530	..	0	0
	2011	480	..	..	480	..	0	0
	2012	415	..	..	415	..	0	0
United Arab Emirates	2009	5,342	..	1,004	4,135	..	203	26
	2010	5,698	..	1,187	4,299	..	212	25
	2011	6,408	..	1,708	4,479	..	221	25
	2012	6,852	..	1,895	4,724	..	233	25
Uzbekistan	2009	185	..	..	..	..	185	7
	2010	157	..	..	..	..	157	6
	2011	148	..	..	..	..	148	5
	2012	132	..	..	..	..	132	5
Viet Nam	2009	81	656	*320	493	-200	124	1
	2010	39	833	50	657	0	165	2
	2011	39	964	53	698	78	174	2
	2012	43	979	56	735	48	183	2
Yemen	2009	412	..	282	130	..	0	0
	2010	363	..	248	115	..	0	0
	2011	195	..	133	62	..	0	0
	2012	125	..	85	40	..	0	0
Europe	2009	45,618	31,938	14,119	49,911	627	12,898	17
	2010	45,788	31,160	14,254	49,875	-156	12,975	18
	2011	48,400	29,750	13,853	51,524	-71	12,844	17
	2012	46,542	30,254	14,574	51,005	-535	11,752	16

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Albania	2009	..	19	..	19	..	0	0
	2010	..	22	..	22	..	0	0
	2011	..	20	..	20	..	0	0
	2012	..	20	..	20	..	0	0
Austria	2009	313	232	2	601	-93	35	4
	2010	476	197	2	650	-12	33	4
	2011	615	119	8	688	5	33	4
	2012	618	94	24	659	-3	32	4
Belgium	2009	1,838	1,698	1,539	1,878	72	47	4
	2010	1,775	1,902	1,707	1,498	310	162	15
	2011	1,498	1,813	1,548	1,434	-76	405	37
	2012	1,819	2,104	2,675	1,316	-116	48	4
Bosnia and Herzegovina	2009	..	5	..	5	..	0	0
	2010	..	5	..	5	..	0	0
	2011	..	5	..	5	..	0	0
	2012	..	5	..	5	..	0	0
Bulgaria	2009	184	4	4	148	8	28	4
	2010	190	1	12	163	-1	17	2
	2011	186	8	11	165	-2	20	3
	2012	171	8	10	159	-2	12	2
Croatia	2009	94	1	1	43	-4	55	13
	2010	94	12	5	53	-3	51	12
	2011	117	2	6	53	3	57	13
	2012	97	20	4	66	-2	49	11
Czech Republic	2009	112	279	0	329	27	35	3
	2010	144	207	0	303	7	41	4
	2011	134	182	0	300	-56	72	7
	2012	143	198	1	284	22	34	3
Denmark	2009	409	832	353	755	63	70	13
	2010	407	815	347	787	17	71	13
	2011	275	834	440	808	-204	65	12
	2012	224	683	151	814	-108	50	9
Estonia	2009	..	34	0	32	1	1	1
	2010	..	32	0	36	-5	1	1
	2011	..	36	0	34	2	0	0
	2012	..	58	21	36	0	1	1
Faeroe Islands	2009	..	*4	..	4	..	0	0
	2010	..	*3	..	3	..	0	0
	2011	..	*4	..	4	..	0	0
	2012	..	0	..	0	..	0	0
Finland	2009	632	97	7	495	11	216	40
	2010	610	121	6	522	-28	231	43
	2011	796	126	79	617	14	212	39
	2012	618	213	78	596	-13	170	31
France	2009	4,983	3,918	1,710	5,261	-137	2,067	33
	2010	4,399	3,897	1,267	5,363	-116	1,782	28
	2011	4,761	3,610	680	5,648	-31	2,074	33
	2012	3,851	4,106	852	5,491	-52	1,666	26
Germany	2009	4,591	4,976	592	7,981	389	605	7
	2010	4,876	4,626	690	7,879	-24	957	12
	2011	4,967	4,197	766	7,604	-9	803	10
	2012	5,216	4,845	1,134	8,095	77	755	9

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Gibraltar	2009	..	6	..	6	..	0	0
	2010	..	5	..	5	..	0	0
	2011	..	7	..	7	..	0	0
	2012	..	6	..	6	..	0	0
Greece	2009	1,574	527	934	830	-16	353	32
	2010	1,602	457	950	664	27	418	38
	2011	1,845	404	1,094	720	1	434	39
	2012	1,784	120	831	641	-10	442	40
Hungary	2009	241	0	8	230	3	0	0
	2010	231	0	10	229	-8	0	0
	2011	239	2	1	230	10	0	0
	2012	169	0	7	167	-5	0	0
Iceland	2009	..	117	..	109	1	7	22
	2010	..	121	..	120	-8	9	28
	2011	..	142	..	134	-1	9	28
	2012	..	148	..	140	2	6	18
Ireland	2009	..	1,085	..	540	78	467	106
	2010	..	1,014	..	703	-75	386	86
	2011	..	870	..	658	9	203	45
	2012	..	723	..	551	-10	182	40
Italy	2009	3,067	788	188	2,918	-42	791	13
	2010	3,223	892	137	3,084	51	843	14
	2011	3,068	1,283	205	3,164	155	827	14
	2012	2,605	1,038	51	3,019	-228	801	13
Latvia	2009	..	99	0	99	0	0	0
	2010	..	119	4	114	1	0	0
	2011	..	310	167	114	29	0	0
	2012	..	271	184	115	-29	1	0
Lithuania	2009	752	0	187	35	-2	532	172
	2010	848	19	210	47	-3	613	200
	2011	829	7	229	54	-5	558	183
	2012	815	168	336	61	20	566	187
Luxembourg	2009	..	400	..	408	-8	0	0
	2010	..	422	..	419	5	-2	-4
	2011	..	388	..	392	-4	0	0
	2012	..	361	..	361	0	0	0
Malta	2009	..	61	0	89	-28	0	0
	2010	..	94	0	99	-5	0	0
	2011	..	108	1	92	4	11	26
	2012	..	101	1	98	1	1	2
Montenegro	2009	..	12	10	2	..	0	0
	2010	..	19	17	2	..	0	0
	2011	..	12	2	10	..	0	0
	2012	..	12	0	12	..	0	0
Netherlands	2009	5,582	4,277	6,457	3,366	-67	103	6
	2010	6,330	3,804	6,726	3,287	49	72	4
	2011	7,063	2,685	6,344	3,413	-73	64	4
	2012	6,589	2,647	5,844	3,289	-3	106	6
Norway	2009	680	181	51	347	26	437	90
	2010	477	275	36	419	-58	355	73
	2011	415	302	128	413	46	130	26
	2012	501	346	98	392	-19	376	75

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Poland	2009	703	0	234	470	-6	5	0
	2010	705	0	197	495	8	5	0
	2011	873	2	390	485	33	-33	-1
	2012	937	34	446	524	-53	54	1
Portugal	2009	782	162	0	798	-3	149	14
	2010	967	134	71	855	12	163	15
	2011	791	249	0	891	7	142	13
	2012	910	181	43	899	-10	159	15
Republic of Moldova	2009	..	17	4	*14	-1	0	0
	2010	..	17	5	*13	-1	0	0
	2011	..	19	0	*13	0	6	2
	2012	..	22	7	*15	0	0	0
Romania	2009	292	7	153	126	5	15	1
	2010	281	37	157	141	9	11	1
	2011	274	57	149	126	24	32	1
	2012	254	41	165	115	-11	26	1
Russian Federation	2009	10,445	..	..	5,704	..	4,741	33
	2010	11,147	..	..	6,074	..	5,073	35
	2011	12,555	..	..	6,257	..	6,298	44
	2012	12,863	..	..	6,431	..	6,432	45
Serbia	2009	52	6	22	40	-4	0	0
	2010	68	6	34	41	-1	0	0
	2011	75	8	36	46	1	0	0
	2012	73	1	37	38	-1	0	0
Slovakia	2009	68	3	32	44	-5	0	0
	2010	45	0	5	40	0	0	0
	2011	58	0	9	42	-1	8	1
	2012	47	0	6	36	3	2	0
Slovenia	2009	..	27	0	27	-1	1	0
	2010	..	26	0	27	-2	1	0
	2011	..	24	0	23	0	1	0
	2012	..	24	1	23	-1	1	0
Spain	2009	1,875	2,476	120	3,088	30	1,113	24
	2010	848	2,440	51	2,964	-15	288	6
	2011	257	2,736	275	3,548	50	-880	-19
	2012	163	2,303	177	3,505	15	-1,231	-26
Sweden	2009	211	721	22	694	-5	221	24
	2010	181	676	31	671	-35	190	20
	2011	190	823	52	721	-46	286	30
	2012	245	656	44	686	-26	197	21
Switzerland	2009	96	1,301	0	1,308	27	62	8
	2010	64	1,361	0	1,367	2	56	7
	2011	81	1,455	0	1,469	16	51	6
	2012	38	1,541	3	1,493	10	73	9
T.F.Yug.Rep. Macedonia	2009	20	0	16	3	1	0	0
	2010	19	0	15	7	-2	0	0
	2011	27	0	23	4	1	0	0
	2012	17	10	23	2	2	0	0
Ukraine	2009	..	8	21	225	-8	-230	-5
	2010	..	11	75	255	-9	-310	-7
	2011	..	..	..	240	..	-240	-5
	2012	..	..	..	298	..	-298	-7

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
United Kingdom	2009	6,022	7,558	1,452	10,841	315	972	16
	2010	5,781	7,370	1,487	10,449	-243	1,458	23
	2011	6,411	6,901	1,210	10,879	27	1,196	19
	2012	5,775	7,146	1,320	10,547	15	1,039	17
Oceania	2009	5,390	2,002	135	3,838	24	3,395	94
	2010	5,405	2,044	90	4,213	-38	3,184	87
	2011	5,554	1,945	45	4,250	64	3,140	84
	2012	5,582	2,079	20	4,068	15	3,558	94
Australia	2009	4,444	1,604	124	2,934	33	2,957	134
	2010	4,328	1,718	80	3,204	-32	2,794	125
	2011	4,409	1,652	23	3,228	53	2,757	121
	2012	4,413	1,783	10	2,995	-12	3,203	139
Cook Islands	2009	..	*2	..	*2	..	0	0
	2010	..	*2	..	*2	..	0	0
	2011	..	*2	..	*2	..	0	0
	2012	..	*2	..	*2	..	0	0
Fiji	2009	..	156	*11	*137	..	8	9
	2010	..	208	*10	*191	..	8	9
	2011	..	*208	*10	*191	..	*8	*9
	2012	..	*208	*10	*191	..	*8	*9
French Polynesia	2009	..	*18	..	*6	..	*12	*46
	2010	..	*18	..	*6	..	*12	*45
	2011	..	*18	..	*6	..	*12	*45
	2012	..	*18	..	*6	..	*12	*44
Kiribati	2009	..	*2	..	*2	..	0	0
	2010	..	*4	..	*4	..	0	0
	2011	..	*4	..	*4	..	0	0
	2012	..	4	..	*4	..	0	0
Micronesia(Fed. States of)	2009	..	5	..	*1	..	4	38
	2010	..	3	..	*1	..	3	28
	2011	..	*4	..	*1	..	*3	*32
	2012	..	*4	..	*1	..	*3	*32
Nauru	2009	..	*1	..	*1	..	0	0
	2010	..	1	..	*1	..	0	0
	2011	..	*1	..	*1	..	0	0
	2012	..	*1	..	*1	..	0	0
New Caledonia	2009	..	1	..	0	..	0	1
	2010	..	5	..	*5	..	0	1
	2011	..	5	..	*5	..	0	1
	2012	..	6	..	*5	..	0	1
New Zealand	2009	867	192	0	693	-8	374	87
	2010	990	59	0	732	-7	324	74
	2011	1,048	24	12	739	10	311	70
	2012	1,051	26	0	775	30	272	61
Niue	2009	..	0	..	0	..	0	*13
	2010	..	0	..	0	..	0	*16
	2011	..	0	..	0	..	0	*16
	2012	..	0	..	0	..	0	*17
Palau	2009	..	*16	..	*16	..	0	0
	2010	..	*16	..	*16	..	0	0
	2011	..	*17	..	*17	..	0	0
	2012	..	*17	..	*17	..	0	0

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Papua New Guinea	2009	79	0	0	*40	-1	40	6
	2010	87	0	0	*43	1	43	6
	2011	97	0	0	*47	1	49	7
	2012	118	0	0	*61	-3	60	8
Solomon Islands	2009	..	*4	..	*4	..	0	0
	2010	..	*4	..	*4	..	0	0
	2011	..	*4	..	*4	..	0	0
	2012	..	*5	..	*5	..	0	0
Tonga	2009	..	1	..	*1	..	0	1
	2010	..	3	..	*3	..	0	1
	2011	..	4	..	*4	..	0	0
	2012	..	4	..	*4	..	0	0
Wallis and Futuna Is.	2009	..	*1	..	1	..	0	0
	2010	..	*1	..	1	..	0	0
	2011	..	*1	..	1	..	0	0
	2012	..	*1	..	1	..	0	0

Production, trade and supply of gas oil / diesel oil

Thousand metric tons and kilograms per capita

Table Notes

Production includes output from refineries and plants, together with quantities from other sources which include any blended biodiesel.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification.

Figure 57: Production of gas/diesel oil by region, 1990-2012

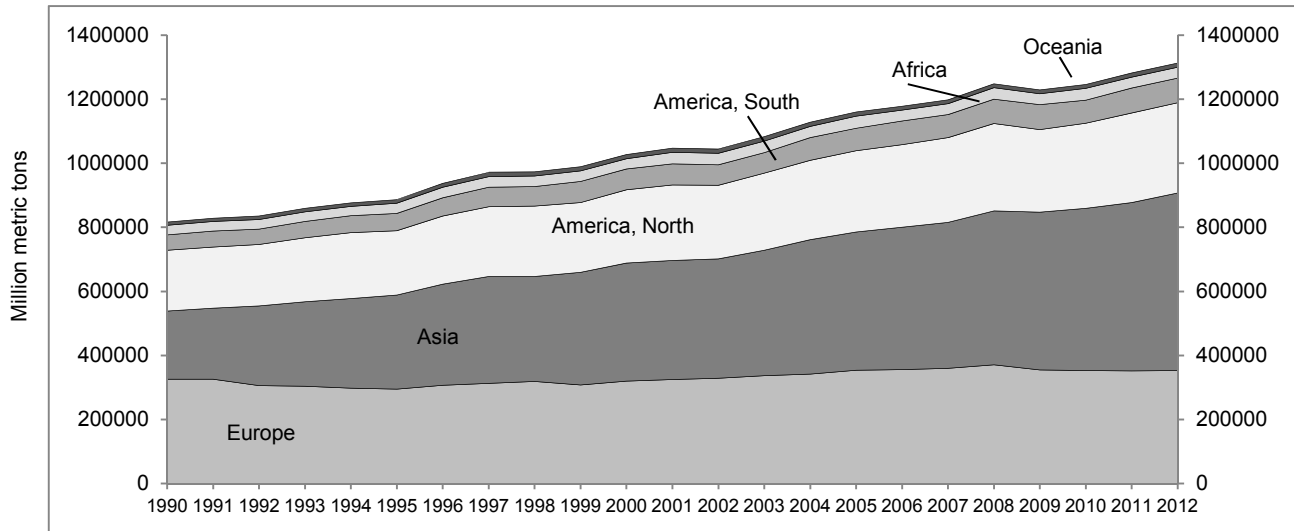


Figure 58: Major gas/diesel oil producing countries, 2012

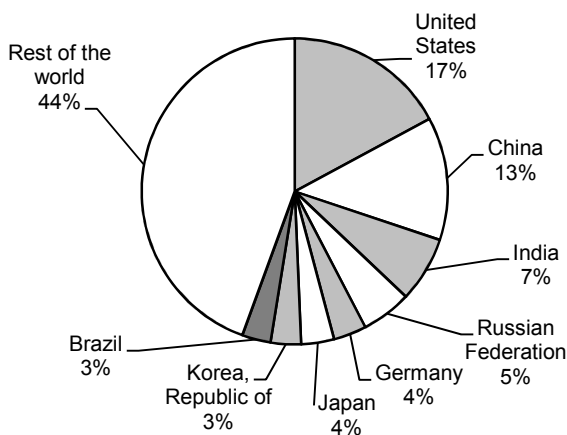


Figure 59: Major gas/diesel oil consuming countries, 2012

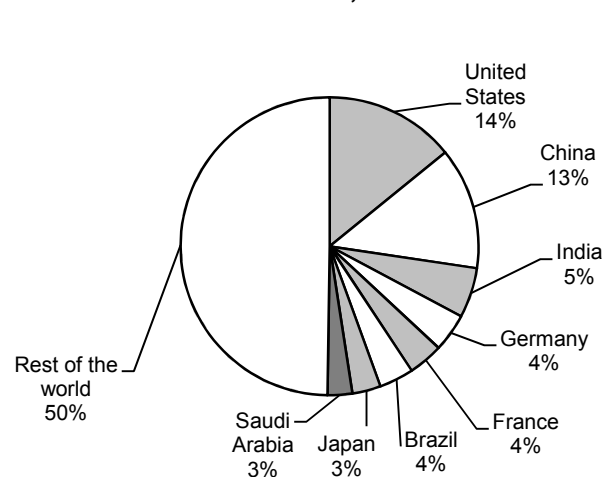


Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
World	2009	1,229,291	274,986	302,779	26,017	-2,477	1,177,960	172
	2010	1,246,168	294,491	306,877	28,826	-5,325	1,210,282	175
	2011	1,281,736	310,057	318,217	29,944	-4,473	1,248,105	178
	2012	1,313,103	324,808	338,996	22,884	-7,606	1,283,637	181
Africa	2009	34,075	25,026	2,486	982	-173	55,806	56
	2010	36,715	25,659	1,638	2,218	-428	58,945	57
	2011	33,635	29,470	1,153	2,196	335	59,420	56
	2012	34,045	31,998	1,191	2,244	413	62,195	57
Algeria	2009	7,533	577	0	54	81	7,975	219
	2010	7,806	380	0	52	-57	8,191	221
	2011	7,573	1,230	0	45	-34	8,792	233
	2012	6,867	2,762	0	53	-69	9,645	251
Angola	2009	509	1,836	19	0	..	2,326	123
	2010	530	1,989	4	0	..	2,515	129
	2011	518	2,005	13	0	..	2,510	124
	2012	541	2,173	13	0	..	2,701	130
Benin	2009	..	485	97	..	3	385	42
	2010	..	541	81	..	3	457	48
	2011	..	560	84	..	0	476	49
	2012	..	590	89	..	0	501	50
Botswana	2009	..	384	..	..	..	384	197
	2010	..	417	..	..	..	417	212
	2011	..	442	..	..	..	442	222
	2012	..	460	..	..	..	460	230
Burkina Faso	2009	..	268	..	..	*-9	277	18
	2010	..	*289	..	..	0	*289	*19
	2011	..	370	..	..	0	370	23
	2012	..	465	..	..	0	465	28
Burundi	2009	..	27	..	..	-1	28	3
	2010	..	27	..	..	0	27	3
	2011	..	31	..	..	1	31	3
	2012	..	30	..	..	-1	31	3
Cabo Verde	2009	..	57	..	*20	..	37	76
	2010	..	79	..	30	..	49	101
	2011	..	118	..	39	..	79	161
	2012	..	60	..	30	..	30	60
Cameroon	2009	610	189	218	44	-69	606	30
	2010	740	156	254	39	-55	658	32
	2011	717	104	0	41	0	780	37
	2012	704	155	0	43	0	816	38
Central African Rep.	2009	..	*30	..	..	..	*30	*7
	2010	..	*32	..	..	..	*32	*7
	2011	..	*34	..	..	..	*34	*8
	2012	..	*34	..	..	..	*34	*8
Chad	2009	..	*55	..	..	..	*55	*5
	2010	..	*61	..	..	..	*61	*5
	2011	..	*66	..	..	..	*66	*5
	2012	..	*66	..	..	..	*66	*5
Comoros	2009	..	*22	..	..	..	*22	*33
	2010	..	*24	..	..	..	*24	*35
	2011	..	*29	..	..	..	*29	*41
	2012	..	*28	..	..	..	*28	*39

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Congo	2009	177	119	..	..	4	292	73
	2010	223	85	..	..	-14	322	78
	2011	195	138	..	..	-16	349	83
	2012	283	97	..	..	0	380	88
Côte d'Ivoire	2009	1,153	..	421	..	180	552	30
	2010	983	..	381	..	0	602	32
	2011	712	..	160	..	0	552	28
	2012	1,057	..	252	..	0	805	41
Dem. Rep. of the Congo	2009	..	225	..	..	..	225	4
	2010	..	287	..	..	..	287	5
	2011	..	420	..	..	..	420	7
	2012	..	449	..	..	..	449	7
Djibouti	2009	..	59	..	*13	..	46	56
	2010	..	56	..	*7	..	49	59
	2011	..	44	..	*8	..	36	42
	2012	..	*60	..	*9	..	*51	*59
Egypt	2009	8,267	3,302	..	94	..	11,475	149
	2010	8,385	3,252	..	114	..	11,523	148
	2011	7,497	4,442	..	91	..	11,848	149
	2012	7,116	4,902	..	65	..	11,953	148
Equatorial Guinea	2009	..	*145	..	..	..	*145	*214
	2010	..	*145	..	..	..	*145	*208
	2011	..	*145	..	..	..	*145	*203
	2012	..	*145	..	..	..	*145	*197
Eritrea	2009	..	68	..	..	-8	76	14
	2010	..	70	..	..	-5	75	13
	2011	..	71	..	..	0	71	12
	2012	..	76	..	..	0	76	12
Ethiopia	2009	..	1,237	..	..	-14	1,251	15
	2010	..	1,183	..	..	28	1,155	13
	2011	..	1,206	..	..	-26	1,232	14
	2012	..	1,341	..	..	0	1,341	15
Gabon	2009	278	161	6	86	..	347	228
	2010	298	172	6	99	..	365	235
	2011	297	184	6	96	..	379	238
	2012	287	194	6	93	..	382	234
Gambia	2009	..	49	1	..	..	48	29
	2010	..	*53	*1	..	..	*52	*31
	2011	..	*52	*1	..	..	*51	*29
	2012	..	*57	*1	..	..	*56	*31
Ghana	2009	103	970	382	74	..	616	26
	2010	293	872	304	96	..	764	31
	2011	310	1,201	357	81	..	1,073	43
	2012	122	1,309	184	81	..	1,166	46
Guinea	2009	..	212	..	..	..	212	20
	2010	..	249	..	..	..	249	23
	2011	..	283	..	..	..	283	25
	2012	..	344	..	..	..	344	30
Guinea-Bissau	2009	..	*37	..	..	..	*37	*24
	2010	..	*38	..	..	..	*38	*24
	2011	..	*39	..	..	..	*39	*24
	2012	..	*40	..	..	..	*40	*24

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Kenya	2009	372	1,072	32	..	..	1,412	35
	2010	347	1,158	12	..	..	1,493	36
	2011	429	1,117	0	3	..	1,543	37
	2012	239	1,288	0	1	..	1,526	35
Lesotho	2009	..	*94	..	..	..	*94	*47
	2010	..	*115	..	..	..	*115	*57
	2011	..	*100	..	..	..	*100	*49
	2012	..	*103	..	..	..	*103	*50
Liberia	2009	..	45	..	*2	..	43	11
	2010	..	124	..	*3	..	121	31
	2011	..	139	..	*4	..	135	33
	2012	..	171	..	*4	..	167	40
Libya	2009	4,178	881	..	..	..	5,059	848
	2010	4,278	942	..	..	..	5,220	864
	2011	1,522	1,738	..	..	..	3,260	534
	2012	2,251	1,661	..	..	..	3,912	636
Madagascar	2009	..	333	..	*2	-4	334	16
	2010	..	328	..	*2	-11	336	16
	2011	..	364	..	*3	-12	373	17
	2012	..	408	..	*3	12	394	18
Malawi	2009	..	136	..	..	..	136	9
	2010	..	187	..	..	..	187	12
	2011	..	183	..	..	..	183	12
	2012	..	168	..	..	..	168	11
Mali	2009	..	*217	..	..	..	*217	*16
	2010	..	*243	..	..	..	*243	*17
	2011	..	*245	..	..	..	*245	*17
	2012	..	*250	..	..	..	*250	*17
Mauritania	2009	..	429	..	..	..	429	122
	2010	..	428	..	..	..	428	119
	2011	..	427	..	..	..	427	115
	2012	..	477	..	..	..	477	126
Mauritius	2009	..	288	..	109	-25	204	166
	2010	..	310	..	113	-14	211	171
	2011	..	310	..	100	2	208	168
	2012	..	314	..	103	0	211	170
Morocco	2009	1,385	3,147	237	13	-44	4,326	138
	2010	2,256	2,295	0	*13	8	4,530	143
	2011	2,403	2,226	0	*13	-33	4,649	145
	2012	2,481	2,309	32	*13	131	4,614	142
Mozambique	2009	..	509	..	..	..	509	22
	2010	..	500	..	..	..	500	21
	2011	..	589	..	..	..	589	24
	2012	..	556	..	..	..	556	22
Namibia	2009	..	542	..	..	..	542	253
	2010	..	577	..	..	..	577	265
	2011	..	513	..	..	..	513	231
	2012	..	567	..	..	..	567	251
Niger	2009	..	129	..	..	0	129	8
	2010	0	184	..	..	-2	186	12
	2011	36	168	0	..	13	190	11
	2012	328	0	81	..	*8	239	14

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Nigeria	2009	571	0	103	116	-214	566	4
	2010	1,027	0	0	130	-278	1,175	7
	2011	1,085	121	0	124	429	653	4
	2012	1,030	0	0	125	368	537	3
Réunion	2009	..	373	..	11	-13	375	450
	2010	..	392	..	13	4	375	444
	2011	..	399	..	10	-5	395	461
	2012	..	370	..	9	-30	391	452
Rwanda	2009	..	*92	..	..	*1	*91	*9
	2010	..	*93	..	..	0	*93	*9
	2011	..	*104	..	..	0	*104	*9
	2012	..	114	..	..	0	114	10
Sao Tome and Principe	2009	..	*19	..	..	..	*19	*107
	2010	..	21	..	..	..	21	116
	2011	..	*22	..	..	..	*22	*117
	2012	..	*24	..	..	..	*24	*125
Senegal	2009	326	236	266	..	-13	309	25
	2010	289	418	0	..	3	704	54
	2011	329	594	0	..	23	900	68
	2012	412	403	0	..	12	803	59
Seychelles	2009	..	207	..	*76	..	131	1,449
	2010	..	184	..	*59	..	125	1,366
	2011	..	153	..	*50	..	103	1,117
	2012	..	231	..	*78	..	153	1,660
Sierra Leone	2009	..	83	..	..	..	83	15
	2010	..	83	..	..	..	83	14
	2011	..	134	..	..	..	134	23
	2012	..	179	..	..	..	179	30
Somalia	2009	..	*111	..	*11	..	*100	*11
	2010	..	*111	..	*11	..	*100	*10
	2011	..	*101	..	*6	..	*95	*10
	2012	..	*116	..	*13	..	*103	*10
South Africa	2009	5,692	1,874	700	*220	..	6,646	131
	2010	6,985	2,082	595	1,391	..	7,081	138
	2011	7,758	2,041	532	1,439	..	7,828	151
	2012	7,707	2,152	501	1,476	..	7,882	150
St. Helena and Depend.	2009	..	2	..	..	..	2	573
	2010	..	3	..	..	..	3	631
	2011	..	3	..	..	..	3	656
	2012	..	3	..	..	..	3	768
Sudan	2009	2,105	361	4	18	..	2,444	55
	2010	1,936	452	0	19	..	2,369	52
	2011	1,727	669	0	21	..	2,375	51
	2012	1,666	616	32	19	..	2,231	46
Swaziland	2009	..	*107	..	..	..	*107	*91
	2010	..	*108	..	..	..	*108	*91
	2011	..	*110	..	..	..	*110	*91
	2012	..	*112	..	..	..	*112	*91
Togo	2009	..	360	..	10	-19	369	60
	2010	..	329	..	15	-10	324	51
	2011	..	308	..	12	-8	304	47
	2012	..	263	..	15	-10	258	39

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Tunisia	2009	576	1,181	..	9	-10	1,758	167
	2010	83	1,715	..	11	-29	1,816	171
	2011	254	1,390	..	12	1	1,631	152
	2012	661	1,014	..	11	-7	1,671	154
Uganda	2009	..	568	..	..	..	568	17
	2010	..	*571	..	..	..	*571	*17
	2011	..	574	..	..	..	574	16
	2012	..	*494	..	..	..	*494	*14
United Rep. of Tanzania	2009	..	719	..	..	..	719	16
	2010	..	820	..	..	..	820	18
	2011	..	883	..	..	..	883	19
	2012	..	1,185	..	..	..	1,185	25
Zambia	2009	240	29	..	..	..	269	21
	2010	256	31	..	..	..	287	22
	2011	274	103	..	..	..	377	28
	2012	294	162	..	..	..	456	32
Zimbabwe	2009	..	367	..	..	..	367	28
	2010	..	397	..	..	..	397	30
	2011	..	431	..	..	..	431	32
	2012	..	450	..	..	..	450	33
America, North	2009	258,415	21,491	40,052	6,485	2,759	230,611	425
	2010	265,341	25,025	41,410	7,406	-417	241,968	441
	2011	279,345	24,731	51,732	10,350	-1,711	243,706	440
	2012	281,081	24,013	59,819	4,955	-2,342	242,662	433
Anguilla	2009	..	*35	..	..	..	*35	*2,586
	2010	..	*36	..	..	..	*36	*2,607
	2011	..	*35	..	..	..	*35	*2,479
	2012	..	*32	..	..	..	*32	*2,271
Antigua and Barbuda	2009	..	*60	*1	..	..	*59	*684
	2010	..	*64	*1	..	..	*63	*722
	2011	..	*62	*1	..	..	*61	*692
	2012	..	*64	*1	..	..	*63	*707
Aruba	2009	..	*52	..	..	..	*52	*508
	2010	..	*27	..	..	..	*27	*262
	2011	..	*24	..	..	..	*24	*231
	2012	..	*14	..	..	..	*14	*137
Bahamas	2009	..	368	*9	..	..	360	1,014
	2010	..	596	*35	..	..	562	1,558
	2011	..	412	*32	..	..	380	1,037
	2012	..	431	*41	..	..	390	1,048
Barbados	2009	..	105	..	..	0	105	375
	2010	..	113	..	..	0	113	403
	2011	..	125	..	..	0	125	442
	2012	..	109	..	..	0	109	384
Belize	2009	..	*72	..	..	..	*72	*239
	2010	..	74	..	..	..	74	239
	2011	..	*76	..	..	..	*76	*241
	2012	..	*66	..	..	..	*66	*204
Bermuda	2009	..	*41	..	..	..	*41	*633
	2010	..	*40	..	..	..	*40	*608
	2011	..	*35	..	..	..	*35	*538
	2012	..	*34	..	..	..	*34	*521

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
British Virgin Islands	2009	..	*37	..	..	..	*37	*1,409
	2010	..	*38	..	..	..	*38	*1,400
	2011	..	*39	..	..	..	*39	*1,403
	2012	..	*39	..	..	..	*39	*1,378
Canada	2009	30,444	1,578	7,607	35	-169	24,549	727
	2010	31,115	696	6,967	45	121	24,678	723
	2011	30,538	1,677	6,335	27	190	25,663	744
	2012	31,980	763	8,097	23	83	24,540	704
Cayman Islands	2009	..	136	..	..	..	136	2,506
	2010	..	140	..	..	..	140	2,522
	2011	..	143	..	..	..	143	2,526
	2012	..	133	..	..	..	133	2,310
Costa Rica	2009	130	901	72	..	-41	999	217
	2010	145	910	50	..	17	987	211
	2011	52	930	17	..	-4	968	204
	2012	0	910	0	..	-2	911	190
Cuba	2009	1,271	210	..	*30	..	1,451	129
	2010	1,224	815	..	*30	..	2,009	178
	2011	1,221	702	..	*30	..	1,893	168
	2012	1,319	716	..	*30	..	2,005	178
Dominica	2009	..	26	..	..	..	26	363
	2010	..	*28	..	..	..	*28	*386
	2011	..	*25	..	..	..	*25	*347
	2012	..	*27	..	..	..	*27	*379
Dominican Republic	2009	354	1,043	..	..	0	1,397	141
	2010	395	974	..	..	0	1,369	137
	2011	352	987	..	..	0	1,339	132
	2012	346	1,040	..	..	5	1,381	134
El Salvador	2009	197	433	21	..	-3	612	99
	2010	132	482	10	..	-2	606	97
	2011	156	488	1	..	10	633	101
	2012	111	510	0	..	-40	661	105
Greenland	2009	..	207	..	43	7	157	2,774
	2010	..	267	..	69	16	182	3,221
	2011	..	244	..	71	-19	192	3,388
	2012	..	205	..	54	1	150	2,649
Grenada	2009	..	49	..	..	-2	51	484
	2010	..	53	..	..	0	53	510
	2011	..	52	..	..	0	52	493
	2012	..	53	..	..	-6	59	555
Guadeloupe	2009	..	*269	..	..	..	*269	*590
	2010	..	*269	..	..	..	*269	*587
	2011	..	*272	..	..	..	*272	*590
	2012	..	*272	..	..	..	*272	*587
Guatemala	2009	24	1,359	9	272	106	996	71
	2010	23	1,208	29	280	-61	983	69
	2011	32	1,236	23	292	13	940	64
	2012	31	1,280	2	301	24	984	65
Haiti	2009	..	383	..	..	..	383	39
	2010	..	449	..	..	..	449	45
	2011	..	447	..	..	..	447	45
	2012	..	457	..	..	..	457	45

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Honduras	2009	..	653	..	..	-18	671	90
	2010	..	681	..	..	0	681	89
	2011	..	682	..	..	0	682	88
	2012	..	756	..	..	0	756	95
Jamaica	2009	172	376	..	16	41	491	180
	2010	192	327	..	71	-11	458	167
	2011	216	356	..	64	14	494	179
	2012	225	296	..	63	-11	469	169
Martinique	2009	*191	*36	*31	*31	..	*166	*414
	2010	*198	*37	*31	*31	..	*173	*431
	2011	*209	*37	*31	*34	..	*181	*452
	2012	*213	*37	*31	*34	..	*184	*458
Mexico	2009	19,077	2,874	237	663	-203	21,254	183
	2010	17,782	5,912	68	699	188	22,739	193
	2011	17,768	6,693	236	815	152	23,258	195
	2012	18,853	6,570	130	816	-47	24,524	203
Montserrat	2009	..	*14	..	*1	..	*13	*2,684
	2010	..	14	..	*1	..	13	2,665
	2011	..	*15	..	*1	..	*14	*2,780
	2012	..	*15	..	*1	..	*14	*2,755
Netherlands Antilles	2009	2,056	670	2,039	281	..	406	2,011
	2010	924	681	918	286	..	401	1,931
	2011	1,810	689	1,797	289	..	413	1,937
	2012	1,886	686	1,872	288	..	412	1,887
Nicaragua	2009	222	204	0	..	-2	428	75
	2010	217	184	8	..	-23	416	71
	2011	233	236	1	..	5	463	78
	2012	156	314	0	..	6	464	77
Panama	2009	..	976	..	109	-38	905	250
	2010	..	1,003	..	135	-73	941	256
	2011	..	1,071	..	153	-238	1,156	309
	2012	..	1,079	..	*150	-94	1,023	269
St. Kitts-Nevis	2009	..	*60	..	..	..	*60	*1,160
	2010	..	*62	..	..	..	*62	*1,177
	2011	..	*64	..	..	..	*64	*1,206
	2012	..	*66	..	..	..	*66	*1,226
St. Lucia	2009	..	72	..	..	..	72	408
	2010	..	77	..	..	..	77	432
	2011	..	78	..	..	..	78	435
	2012	..	77	..	..	..	77	427
St. Pierre-Miquelon	2009	..	*24	..	*6	..	*18	*2,971
	2010	..	*25	..	*6	..	*19	*3,142
	2011	..	*25	..	*6	..	*19	*3,178
	2012	..	*25	..	*6	..	*19	*3,112
St. Vincent-Grenadines	2009	..	*49	..	..	..	*49	*449
	2010	..	*50	..	..	..	*50	*457
	2011	..	*50	..	..	..	*50	*457
	2012	..	*51	..	..	..	*51	*466
Trinidad and Tobago	2009	1,718	..	972	253	-24	517	391
	2010	1,442	..	691	180	-59	630	474
	2011	1,381	..	750	196	-146	581	436
	2012	921	..	379	126	-110	526	393

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Turks and Caicos Islands	2009	..	*59	..	..	..	*59	*1,951
	2010	..	*62	..	..	..	*62	*1,988
	2011	..	*62	..	..	..	*62	*1,945
	2012	..	*65	..	..	..	*65	*2,005
United States	2009	202,560	8,061	29,054	4,745	3,105	173,717	561
	2010	211,552	8,633	32,602	5,573	-531	182,541	585
	2011	225,377	6,664	42,508	8,372	-1,689	182,850	581
	2012	225,040	6,822	49,265	3,063	-2,151	181,685	572
America, South	2009	77,432	15,690	8,558	1,622	-87	83,029	213
	2010	72,648	23,364	4,943	1,700	-420	89,789	228
	2011	78,393	23,469	8,198	1,223	-132	92,573	232
	2012	77,321	25,527	3,754	953	-134	98,275	244
Argentina	2009	10,211	1,213	0	221	-29	11,232	281
	2010	10,147	1,288	0	198	144	11,093	275
	2011	10,024	1,752	0	189	-39	11,626	285
	2012	9,931	1,185	65	177	-50	10,924	266
Bolivia (Plur. State of)	2009	544	528	..	..	-2	1,074	107
	2010	542	589	..	..	-10	1,141	112
	2011	574	658	..	..	5	1,227	119
	2012	616	754	..	..	1	1,369	130
Brazil	2009	36,886	3,055	1,075	672	29	38,165	197
	2010	36,004	7,827	597	746	-8	42,496	218
	2011	37,383	8,111	528	437	237	44,292	225
	2012	39,881	8,446	287	401	-328	47,967	241
Chile	2009	3,442	4,224	474	37	-57	7,212	424
	2010	2,920	4,550	331	19	47	7,073	412
	2011	3,168	4,464	273	17	-51	7,393	427
	2012	2,863	4,815	401	9	102	7,166	410
Colombia	2009	3,570	1,628	263	415	45	4,475	98
	2010	3,501	2,397	780	430	10	4,678	101
	2011	4,867	2,380	805	*308	11	6,123	130
	2012	4,806	2,615	709	*156	2	6,554	137
Ecuador	2009	1,774	1,930	..	..	-113	3,817	259
	2010	1,483	2,608	..	..	-75	4,166	278
	2011	1,734	2,023	..	..	-259	4,016	263
	2012	1,637	2,282	..	..	-189	4,108	265
Falkland Is. (Malvinas)	2009	..	*10	..	..	..	*10	*3,327
	2010	..	*9	..	..	..	*9	*2,983
	2011	..	*9	..	..	..	*9	*2,808
	2012	..	*9	..	..	..	*9	*2,833
French Guiana	2009	..	*144	..	..	..	*144	*639
	2010	..	*137	..	..	..	*137	*593
	2011	..	*140	..	..	..	*140	*591
	2012	..	*138	..	..	..	*138	*568
Guyana	2009	..	229	..	..	-3	232	297
	2010	..	221	..	..	-4	225	286
	2011	..	262	..	..	-8	270	341
	2012	..	288	..	..	-14	302	380
Paraguay	2009	..	1,025	..	..	32	994	157
	2010	..	1,025	..	..	-56	1,081	167
	2011	..	1,041	..	..	-71	1,112	169
	2012	..	1,130	..	..	14	1,116	167

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Peru	2009	4,334	827	..	73	0	5,088	176
	2010	4,701	1,402	..	133	2	5,968	204
	2011	4,639	1,566	..	76	-4	6,133	207
	2012	4,248	1,622	..	21	-172	6,021	201
Suriname	2009	42	145	0	..	0	187	359
	2010	56	227	34	..	0	250	476
	2011	55	182	40	..	0	197	372
	2012	53	240	21	..	0	271	507
Uruguay	2009	671	731	..	124	11	1,267	377
	2010	716	321	..	111	-4	930	276
	2011	450	881	..	119	46	1,166	345
	2012	759	667	..	126	41	1,260	371
Venezuela(Bolivar. Rep.)	2009	15,958	..	6,746	80	0	9,132	319
	2010	12,577	763	3,201	63	-466	10,542	363
	2011	15,499	0	6,552	77	0	8,870	301
	2012	12,527	1,337	2,271	63	460	11,070	370
Asia	2009	491,947	82,168	116,408	9,218	-7,067	455,556	111
	2010	506,301	84,218	122,483	8,397	-3,046	462,686	111
	2011	524,996	93,212	116,900	7,238	-1,897	495,967	118
	2012	554,464	100,918	122,488	5,627	-4,421	531,688	125
Afghanistan	2009	..	502	..	..	..	502	18
	2010	..	748	..	..	..	748	26
	2011	..	801	..	..	..	801	28
	2012	..	873	..	..	..	873	29
Armenia	2009	..	118	0	..	..	118	40
	2010	..	131	0	..	..	131	44
	2011	..	135	0	..	..	135	46
	2012	..	149	0	..	..	149	50
Azerbaijan	2009	2,367	8	1,577	71	9	718	80
	2010	2,488	0	1,569	73	-22	868	95
	2011	2,483	0	1,359	78	6	1,040	113
	2012	2,369	3	1,139	86	11	1,136	122
Bahrain	2009	4,439	..	4,087	..	-43	395	332
	2010	4,275	..	3,955	..	-36	356	284
	2011	3,806	..	3,527	..	-43	322	249
	2012	4,092	..	3,689	..	85	318	241
Bangladesh	2009	288	2,187	..	..	174	2,301	15
	2010	413	2,956	..	..	801	2,568	17
	2011	415	2,619	..	..	-205	3,239	21
	2012	408	2,593	..	..	-239	3,240	21
Bhutan	2009	..	54	..	..	..	54	77
	2010	..	72	..	..	..	72	100
	2011	..	87	..	..	..	87	119
	2012	..	102	..	..	..	102	137
Brunei Darussalam	2009	173	62	0	..	0	235	596
	2010	169	83	0	..	-3	255	637
	2011	164	145	14	..	-1	296	728
	2012	114	197	5	..	-4	310	752
Cambodia	2009	..	543	..	..	..	543	38
	2010	..	570	..	..	..	570	40
	2011	..	587	..	..	..	587	40
	2012	..	578	..	..	..	578	39

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
China	2009	142,886	1,836	4,507	280	2,343	137,592	102
	2010	149,244	1,902	4,640	364	-775	146,917	108
	2011	156,897	2,433	2,012	383	780	156,156	114
	2012	170,638	999	1,854	292	-89	169,580	123
China, Hong Kong SAR	2009	..	6,104	89	4,196	51	1,768	252
	2010	..	5,278	64	3,265	-39	1,988	282
	2011	..	4,372	99	2,413	-136	1,996	281
	2012	..	3,652	112	1,364	69	2,107	295
China, Macao SAR	2009	..	128	..	..	2	126	242
	2010	..	123	..	..	-4	127	238
	2011	..	*136	..	..	0	*136	*249
	2012	..	*152	..	..	0	*152	*273
Cyprus	2009	..	629	..	73	19	537	492
	2010	..	680	..	53	34	593	537
	2011	..	620	..	58	-7	569	510
	2012	..	704	..	69	2	633	561
Georgia	2009	..	376	1	..	..	375	85
	2010	..	418	0	..	..	418	95
	2011	..	428	0	..	9	419	96
	2012	..	459	0	..	0	459	105
India	2009	77,605	2,531	18,460	..	-9,600	71,276	60
	2010	78,631	2,073	20,433	..	-800	61,071	51
	2011	82,864	1,059	20,491	..	-869	64,301	53
	2012	91,085	626	22,464	..	-458	69,705	56
Indonesia	2009	13,769	6,918	133	148	..	20,406	86
	2010	13,338	8,497	611	103	..	21,121	88
	2011	15,842	11,954	15	84	..	27,697	114
	2012	16,774	14,200	12	89	..	30,873	125
Iran (Islamic Rep. of)	2009	28,178	1,584	795	80	..	28,887	393
	2010	28,892	1,350	145	79	..	30,017	403
	2011	30,076	0	640	108	..	29,328	389
	2012	29,814	38	558	153	..	29,141	381
Iraq	2009	4,220	220	..	..	..	4,440	147
	2010	5,213	170	..	..	..	5,383	174
	2011	6,365	5,481	..	..	..	11,846	372
	2012	6,243	8,106	..	..	..	14,349	438
Israel	2009	3,788	213	1,044	31	0	2,926	402
	2010	3,775	314	1,142	31	0	2,916	393
	2011	3,562	758	1,628	50	-50	2,692	357
	2012	3,915	1,934	1,199	64	93	4,493	588
Japan	2009	50,048	326	10,011	109	-340	40,594	319
	2010	49,971	523	9,928	78	-56	40,544	318
	2011	46,080	816	6,643	67	46	40,140	315
	2012	45,381	571	5,992	77	159	39,724	312
Jordan	2009	1,160	416	..	18	-41	1,598	258
	2010	908	673	..	7	24	1,550	240
	2011	1,034	1,366	..	6	-55	2,449	364
	2012	1,114	2,097	..	6	62	3,143	448
Kazakhstan	2009	4,405	252	1,754	0	-8	2,911	185
	2010	4,613	416	1,917	0	181	2,931	184
	2011	4,774	242	954	19	-118	4,161	258
	2012	4,890	495	1,796	0	34	3,555	218

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Korea, Dem.Ppl's.Rep.	2009	186	44	..	..	..	230	9
	2010	189	42	..	..	..	231	9
	2011	188	46	..	..	..	234	10
	2012	188	41	..	..	..	229	9
Korea, Republic of	2009	35,753	314	16,812	866	255	18,134	376
	2010	36,770	307	17,523	919	45	18,590	384
	2011	39,914	349	21,337	863	85	17,978	369
	2012	42,206	899	23,648	815	-309	18,951	387
Kuwait	2009	11,074	..	7,478	35	..	3,561	1,249
	2010	10,807	..	7,038	49	..	3,720	1,243
	2011	10,872	..	7,037	95	..	3,740	1,197
	2012	11,563	..	7,485	100	..	3,978	1,224
Kyrgyzstan	2009	48	325	47	..	-2	328	62
	2010	38	307	23	..	5	317	59
	2011	28	422	17	..	-12	445	82
	2012	31	566	6	..	45	546	100
Lao People's Dem. Rep.	2009	..	*28	..	..	..	*28	*4
	2010	..	*22	..	..	..	*22	*3
	2011	..	*24	..	..	..	*24	*4
	2012	..	*24	..	..	..	*24	*4
Lebanon	2009	..	2,595	..	..	..	2,595	611
	2010	..	2,252	..	..	..	2,252	519
	2011	..	2,448	..	..	..	2,448	547
	2012	..	3,269	..	..	..	3,269	703
Malaysia	2009	9,245	*1,949	*1,394	*22	*979	8,799	317
	2010	8,599	3,186	2,456	33	*80	9,216	326
	2011	8,788	3,708	4,381	14	-1,518	9,619	334
	2012	9,878	3,449	5,225	2	-1,482	9,582	328
Maldives	2009	..	280	..	*31	..	249	780
	2010	..	287	..	*33	..	254	779
	2011	..	304	..	*35	..	269	810
	2012	..	338	..	*39	..	298	881
Mongolia	2009	..	416	..	..	..	416	156
	2010	..	499	..	..	..	499	184
	2011	..	637	..	..	..	637	231
	2012	..	*692	..	..	..	*692	*247
Myanmar	2009	125	387	..	3	87	422	8
	2010	240	144	..	3	-109	490	9
	2011	196	144	..	3	-120	457	9
	2012	166	1,017	..	2	-3	1,184	22
Nepal	2009	..	533	..	..	..	533	20
	2010	..	570	..	..	..	570	21
	2011	..	564	..	..	..	564	21
	2012	..	623	..	..	..	623	23
Oman	2009	1,795	0	341	..	..	1,454	546
	2010	1,490	82	76	..	..	1,496	534
	2011	2,147	0	244	..	..	1,903	629
	2012	2,074	188	179	..	..	2,083	629
Other Asia	2009	13,616	..	10,045	188	275	3,108	135
	2010	11,670	..	8,615	149	-115	3,021	131
	2011	12,478	..	7,659	137	63	4,619	199
	2012	13,926	..	9,321	124	123	4,358	187

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Pakistan	2009	3,213	4,395	126	37	-13	7,457	44
	2010	3,288	3,778	120	30	-25	6,940	40
	2011	3,252	3,263	26	9	93	6,387	36
	2012	*3,902	*2,957	0	*9	*-6	*6,856	*38
Philippines	2009	2,426	3,297	34	34	101	5,554	60
	2010	3,175	3,094	18	35	49	6,167	66
	2011	3,486	2,541	36	25	-177	6,143	65
	2012	3,130	3,448	51	17	101	6,409	66
Qatar	2009	1,723	690	997	..	-23	1,439	920
	2010	2,878	530	2,134	..	-13	1,287	736
	2011	2,616	89	2,090	..	0	615	322
	2012	2,205	0	3,326	..	-278	-843	-411
Saudi Arabia	2009	30,521	4,301	5,766	..	-543	29,599	1,105
	2010	30,993	4,029	5,832	..	-1,090	30,280	1,111
	2011	30,750	5,895	2,622	..	2,169	31,854	1,147
	2012	31,383	8,188	4,637	..	355	34,579	1,222
Singapore	2009	10,869	14,604	23,963	1,595	287	-372	-75
	2010	12,903	16,851	26,422	1,605	1	1,726	340
	2011	13,606	16,966	27,092	1,576	-492	2,396	461
	2012	14,245	14,076	22,985	1,456	-616	4,496	848
Sri Lanka	2009	485	1,089	0	36	-144	1,682	82
	2010	442	1,199	0	55	-170	1,756	85
	2011	501	1,402	0	65	-56	1,894	91
	2012	394	1,652	0	54	56	1,936	92
State of Palestine	2009	..	436	..	..	0	436	111
	2010	..	414	..	..	0	414	103
	2011	..	469	..	..	0	469	114
	2012	..	445	..	..	0	445	105
Syrian Arab Republic	2009	3,980	2,269	13	1,070	0	5,166	246
	2010	3,698	2,071	11	994	221	4,543	211
	2011	3,624	1,587	0	861	0	4,350	200
	2012	2,572	1,305	0	448	0	3,429	157
Tajikistan	2009	3	173	..	..	..	176	24
	2010	3	193	..	..	..	196	26
	2011	3	143	..	..	..	146	19
	2012	3	122	..	..	..	125	16
Thailand	2009	18,738	321	3,995	..	-323	15,387	232
	2010	19,417	52	4,595	..	-529	15,403	232
	2011	19,208	48	3,920	..	*-626	15,962	240
	2012	20,836	13	4,463	..	*-670	17,056	255
Timor-Leste	2009	..	*47	..	..	..	*47	*44
	2010	..	*47	..	..	..	*47	*44
	2011	..	*47	..	..	..	*47	*43
	2012	..	*47	..	..	..	*47	*42
Turkey	2009	5,103	9,117	395	100	80	13,645	192
	2010	5,324	9,682	344	233	-22	14,451	200
	2011	7,056	10,154	124	87	-38	17,037	233
	2012	7,874	11,094	227	153	93	18,495	250
Turkmenistan	2009	2,440	..	850	..	..	1,590	319
	2010	2,790	..	1,070	..	..	1,720	341
	2011	2,520	..	770	..	..	1,750	343
	2012	2,470	..	320	..	..	2,150	416

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
United Arab Emirates	2009	4,354	1,240	757	122	..	4,715	611
	2010	4,765	800	678	127	..	4,760	564
	2011	4,880	773	988	132	..	4,533	508
	2012	4,241	1,005	571	137	..	4,538	493
Uzbekistan	2009	1,302	..	177	..	..	1,125	41
	2010	1,125	..	153	..	..	972	35
	2011	1,058	..	144	..	..	914	32
	2012	1,021	..	139	..	..	882	31
Viet Nam	2009	553	6,493	760	..	-650	6,936	79
	2010	2,671	4,940	970	..	-680	7,321	82
	2011	2,701	5,311	1,031	..	-625	7,606	85
	2012	2,977	4,565	1,085	..	-1,555	8,012	88
Yemen	2009	1,070	1,819	..	73	..	2,816	127
	2010	1,096	1,864	..	79	..	2,881	127
	2011	762	1,838	..	71	..	2,529	109
	2012	343	2,368	..	71	..	2,640	111
Europe	2009	355,044	121,649	134,951	7,512	1,895	332,335	450
	2010	353,042	127,040	136,234	8,885	-970	335,932	454
	2011	352,183	129,795	140,136	8,739	-1,255	334,356	451
	2012	353,237	131,214	151,635	8,881	-1,195	325,130	438
Albania	2009	56	628	..	..	-17	701	222
	2010	22	650	..	..	0	672	213
	2011	85	630	..	..	0	715	227
	2012	20	668	..	..	0	688	218
Andorra	2009	..	143	..	..	..	143	1,823
	2010	..	145	..	..	..	145	1,856
	2011	..	136	..	..	..	136	1,749
	2012	..	*136	..	..	..	*136	*1,738
Austria	2009	3,999	4,359	838	15	78	7,427	887
	2010	3,502	5,003	872	17	-58	7,674	913
	2011	4,105	4,261	899	16	118	7,333	870
	2012	4,009	4,404	1,012	16	17	7,368	871
Belarus	2009	7,559	2,184	5,312	..	-211	4,642	487
	2010	5,956	1,093	3,449	..	-55	3,655	385
	2011	7,440	3,293	5,750	..	-215	5,198	550
	2012	7,539	3,218	7,576	..	2	3,179	338
Belgium	2009	12,494	7,329	8,131	354	35	11,303	1,041
	2010	12,849	7,410	6,594	492	159	13,014	1,189
	2011	11,806	8,255	7,863	433	402	11,363	1,032
	2012	12,892	7,884	9,579	500	-90	10,787	975
Bosnia and Herzegovina	2009	338	516	5	..	..	849	220
	2010	411	475	32	..	..	854	222
	2011	503	491	103	..	..	891	232
	2012	434	478	56	..	..	856	223
Bulgaria	2009	2,108	626	739	150	89	1,756	236
	2010	1,938	694	693	52	150	1,737	235
	2011	1,992	715	652	47	22	1,986	271
	2012	2,205	663	965	45	-101	1,959	269
Croatia	2009	1,488	585	302	1	-20	1,790	412
	2010	1,307	768	374	1	-26	1,726	398
	2011	1,131	945	378	1	17	1,680	389
	2012	1,287	694	388	0	4	1,589	369

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Czech Republic	2009	3,269	1,328	419	..	8	4,170	398
	2010	3,460	1,249	715	..	-77	4,071	386
	2011	3,256	1,646	651	..	75	4,176	394
	2012	3,355	1,488	759	..	-40	4,124	387
Denmark	2009	3,312	2,222	1,157	244	123	4,010	726
	2010	3,029	2,219	1,011	269	6	3,962	714
	2011	2,951	2,276	1,246	244	-210	3,947	708
	2012	3,660	1,968	1,480	244	-36	3,940	704
Estonia	2009	..	576	0	15	54	507	389
	2010	..	545	0	21	-24	548	422
	2011	..	597	0	24	-8	581	449
	2012	..	713	13	86	4	610	473
Faeroe Islands	2009	..	*127	..	4	..	*122	*2,468
	2010	..	*135	..	4	..	*131	*2,648
	2011	..	*125	..	7	..	*118	*2,373
	2012	..	*133	..	8	..	*125	*2,525
Finland	2009	6,699	2,283	2,566	48	464	5,904	1,105
	2010	6,437	1,829	2,912	63	-541	5,832	1,087
	2011	6,611	2,443	2,839	61	86	6,068	1,126
	2012	6,571	2,360	3,123	42	-110	5,876	1,086
France	2009	34,027	17,975	4,573	100	184	47,145	749
	2010	31,240	19,319	3,518	116	-74	46,999	743
	2011	31,766	20,397	3,930	100	695	47,438	746
	2012	27,542	23,462	2,781	91	-169	48,301	755
Germany	2009	47,973	14,560	8,906	483	524	52,620	633
	2010	45,613	15,684	6,820	523	188	53,766	648
	2011	44,809	13,657	6,488	490	-342	51,830	625
	2012	46,015	13,591	6,364	433	-580	53,389	645
Gibraltar	2009	..	373	..	293	..	80	2,733
	2010	..	380	..	299	..	81	2,769
	2011	..	397	..	319	..	78	2,666
	2012	..	402	..	322	..	80	2,732
Greece	2009	6,529	3,137	3,018	318	-353	6,683	602
	2010	6,932	2,505	2,997	344	84	6,012	541
	2011	5,776	2,892	3,075	306	-328	5,615	505
	2012	7,959	1,391	4,740	264	-223	4,569	411
Hungary	2009	3,428	1,248	974	..	-1	3,703	369
	2010	4,007	1,603	1,285	..	8	4,317	431
	2011	3,711	1,297	1,277	..	-18	3,749	375
	2012	3,685	1,195	1,438	..	-17	3,459	347
Iceland	2009	..	359	12	27	12	308	982
	2010	..	292	0	30	-24	286	899
	2011	..	300	0	31	2	267	829
	2012	..	279	0	32	-1	248	761
Ireland	2009	1,035	2,368	22	71	22	3,288	746
	2010	1,138	2,217	372	80	-177	3,080	689
	2011	1,124	2,165	185	72	91	2,941	650
	2012	1,310	2,211	309	72	99	3,041	665
Italy	2009	37,175	1,995	9,240	219	-422	30,133	500
	2010	38,132	2,426	10,625	237	-252	29,948	495
	2011	37,087	2,577	9,341	216	336	29,771	490
	2012	36,528	2,102	10,746	147	-209	27,946	459

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Latvia	2009	..	1,036	123	61	-7	859	407
	2010	..	1,056	121	69	-51	917	439
	2011	..	1,063	161	75	-3	830	400
	2012	..	1,177	211	87	51	828	402
Lithuania	2009	2,613	133	2,397	16	-16	349	113
	2010	2,908	203	2,698	18	-1	396	129
	2011	3,107	381	2,981	20	-2	489	161
	2012	3,025	461	2,986	20	-42	522	172
Luxembourg	2009	..	1,922	6	..	7	1,909	3,832
	2010	..	2,031	2	..	-18	2,047	4,030
	2011	..	2,121	1	..	-6	2,126	4,117
	2012	..	2,081	0	..	14	2,067	3,947
Malta	2009	..	557	9	355	16	177	419
	2010	..	467	16	266	-10	195	459
	2011	..	375	3	189	5	178	417
	2012	..	333	7	293	-3	36	84
Montenegro	2009	..	166	..	..	..	166	268
	2010	..	174	..	..	..	174	281
	2011	..	167	..	..	..	167	269
	2012	..	170	..	..	..	170	274
Netherlands	2009	20,712	16,330	27,519	1,206	475	7,842	474
	2010	21,363	18,853	31,145	1,537	19	7,515	452
	2011	20,669	18,330	30,892	1,533	-995	7,569	454
	2012	20,492	18,844	29,877	1,567	366	7,526	450
Norway	2009	6,157	1,705	2,265	265	-50	5,382	1,113
	2010	5,842	1,135	1,925	188	-162	5,026	1,028
	2011	6,643	1,206	2,989	187	238	4,435	897
	2012	6,298	1,471	2,524	148	88	5,009	1,003
Poland	2009	10,167	2,196	118	64	248	11,933	312
	2010	10,918	2,116	24	54	62	12,894	338
	2011	11,513	1,946	112	67	-82	13,362	350
	2012	11,982	1,422	337	66	40	12,961	339
Portugal	2009	4,060	1,478	95	42	-22	5,423	513
	2010	4,282	1,185	35	50	-115	5,497	519
	2011	3,919	1,349	120	53	-41	5,136	485
	2012	4,181	883	350	49	34	4,631	437
Republic of Moldova	2009	5	350	..	..	16	339	94
	2010	4	400	..	..	-15	419	117
	2011	4	445	..	..	3	446	126
	2012	3	398	1	..	-3	403	115
Romania	2009	4,422	821	1,080	6	32	4,125	188
	2010	3,835	1,265	817	11	163	4,109	188
	2011	3,743	1,269	722	9	-231	4,512	207
	2012	3,806	1,546	709	14	26	4,603	212
Russian Federation	2009	67,233	257	39,774	..	-135	27,851	194
	2010	69,975	516	41,639	897	385	27,570	192
	2011	70,293	795	39,526	1,148	246	30,168	210
	2012	69,436	252	41,144	1,277	110	27,157	190
Serbia	2009	983	540	74	..	-2	1,451	150
	2010	901	606	38	..	-7	1,476	153
	2011	776	791	3	..	35	1,529	159
	2012	691	712	5	3	-45	1,440	151

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Slovakia	2009	2,882	503	2,121	..	-60	1,324	244
	2010	2,841	660	1,896	..	-6	1,611	296
	2011	3,209	608	2,204	..	9	1,604	295
	2012	2,863	586	1,899	..	-4	1,554	285
Slovenia	2009	7	1,998	339	..	34	1,632	798
	2010	19	2,201	510	..	-25	1,735	845
	2011	0	2,274	544	..	-11	1,741	844
	2012	1	2,476	648	..	104	1,725	834
Spain	2009	23,417	11,272	777	1,405	119	32,388	708
	2010	24,244	10,801	1,148	1,475	242	32,180	697
	2011	25,312	8,541	2,373	1,314	-602	30,768	661
	2012	28,639	6,696	6,192	1,166	-451	28,428	608
Sweden	2009	7,851	1,992	4,942	85	704	4,112	442
	2010	7,756	2,138	4,589	179	-435	5,561	593
	2011	7,335	2,198	3,939	203	-522	5,913	626
	2012	8,340	2,080	5,099	237	-66	5,150	541
Switzerland	2009	2,389	4,556	6	8	154	6,777	871
	2010	2,279	3,510	21	10	-38	5,796	737
	2011	2,218	3,301	38	8	-106	5,579	702
	2012	1,714	4,241	56	8	89	5,802	722
T.F.Yug.Rep. Macedonia	2009	376	185	163	..	6	392	187
	2010	364	196	165	..	-1	396	188
	2011	278	335	184	..	11	417	198
	2012	74	453	105	..	3	419	199
Ukraine	2009	3,979	2,157	896	..	69	5,171	112
	2010	3,781	2,472	697	..	-78	5,634	122
	2011	2,713	3,757	873	..	44	5,553	121
	2012	1,411	4,765	509	..	-59	5,726	126
United Kingdom	2009	26,302	6,574	6,033	1,657	-262	25,448	412
	2010	25,757	8,414	6,479	1,583	-166	26,275	423
	2011	26,298	9,048	7,794	1,566	32	25,954	416
	2012	25,270	10,727	7,647	1,644	3	26,703	425
Oceania	2009	12,378	8,962	323	198	196	20,623	572
	2010	12,122	9,185	170	220	-44	20,961	572
	2011	13,183	9,381	99	197	186	22,082	593
	2012	12,954	11,139	109	225	73	23,687	627
Australia	2009	10,248	6,959	302	63	232	16,610	754
	2010	9,808	7,260	158	68	14	16,828	751
	2011	10,803	7,395	99	42	49	18,008	792
	2012	10,352	9,397	109	72	77	19,491	846
Cook Islands	2009	..	*18	..	..	..	*18	*893
	2010	..	*18	..	..	..	*18	*887
	2011	..	*18	..	..	..	*18	*882
	2012	..	*18	..	..	..	*18	*877
Fiji	2009	..	225	*21	*31	..	173	203
	2010	..	340	*12	*45	..	284	330
	2011	..	*308	0	*45	..	*263	*303
	2012	..	*289	0	*45	..	*244	*279
French Polynesia	2009	..	147	..	*41	..	105	397
	2010	..	148	..	*42	..	106	395
	2011	..	137	..	*39	..	98	363
	2012	..	131	..	*37	..	94	342

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Kiribati	2009	..	*8	..	..	..	*8	*81
	2010	..	*13	..	..	..	*13	*133
	2011	..	*13	..	..	..	*13	*128
	2012	..	*13	..	..	..	*13	*127
Marshall Islands	2009	..	*33	..	..	..	*33	*630
	2010	..	*34	..	..	..	*34	*645
	2011	..	*34	..	..	..	*34	*645
	2012	..	*34	..	..	..	*34	*644
Micronesia(Fed. States of)	2009	..	30	..	..	..	30	292
	2010	..	23	..	..	..	23	219
	2011	..	*24	..	..	..	*24	*232
	2012	..	*26	..	..	..	*26	*251
Nauru	2009	..	8	..	..	*1	7	695
	2010	..	8	..	..	0	8	773
	2011	..	*8	..	..	0	*8	*789
	2012	..	*8	..	..	0	*8	*804
New Caledonia	2009	..	176	..	..	..	176	725
	2010	..	199	..	..	..	199	808
	2011	..	209	..	..	..	209	838
	2012	..	214	..	..	..	214	843
New Zealand	2009	1,724	710	..	37	-26	2,423	560
	2010	1,912	570	..	39	-70	2,513	575
	2011	1,925	694	..	45	152	2,422	549
	2012	2,140	466	..	45	-4	2,565	575
Niue	2009	..	*2	..	..	..	*2	*1,191
	2010	..	*2	..	..	..	*2	*1,226
	2011	..	*2	..	..	..	*2	*1,262
	2012	..	*2	..	..	..	*2	*1,301
Palau	2009	..	*12	..	..	..	*12	*590
	2010	..	*12	..	..	..	*12	*606
	2011	..	*13	..	..	..	*13	*631
	2012	..	*13	..	..	..	*13	*626
Papua New Guinea	2009	406	492	..	*26	-11	883	132
	2010	402	415	..	*26	12	779	114
	2011	455	373	..	*26	-14	816	116
	2012	462	*390	..	*26	0	826	115
Samoa	2009	..	*36	..	..	*1	*35	*191
	2010	..	*38	..	..	1	*37	*201
	2011	..	39	..	..	-1	40	214
	2012	..	*42	..	..	*-1	*42	*222
Solomon Islands	2009	..	*43	..	..	..	*43	*83
	2010	..	*43	..	..	..	*43	*82
	2011	..	*44	..	..	..	*44	*81
	2012	..	*44	..	..	..	*44	*80
Tonga	2009	..	*26	..	..	..	*26	*251
	2010	..	25	..	..	..	25	235
	2011	..	23	..	..	..	23	223
	2012	..	12	..	..	..	12	117
Vanuatu	2009	..	32	..	..	..	32	139
	2010	..	31	..	..	..	31	133
	2011	..	40	..	..	..	40	165
	2012	..	35	..	..	..	35	141

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Wallis and Futuna Is.	2009	..	7	..	..	..	7	487
	2010	..	7	..	..	..	7	495
	2011	..	7	..	..	..	7	510
	2012	..	7	..	..	..	7	489

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Table Notes

Production includes output from refineries and plants.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification.

Figure 60: Production of fuel oil by region, 1990-2012

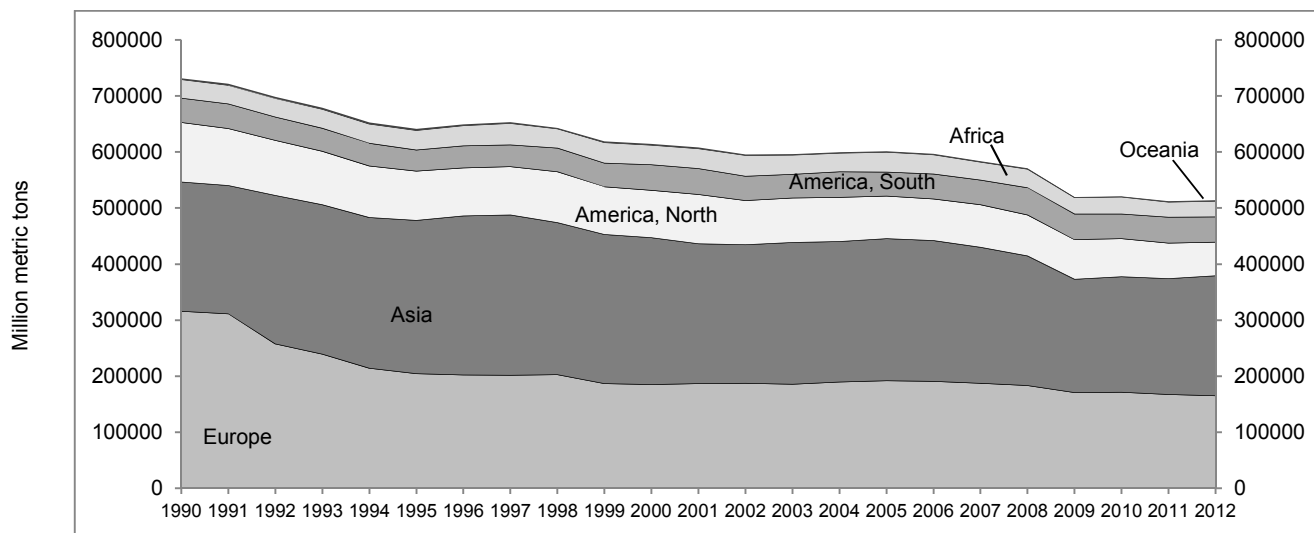


Figure 61: Major fuel oil producing countries, 2012

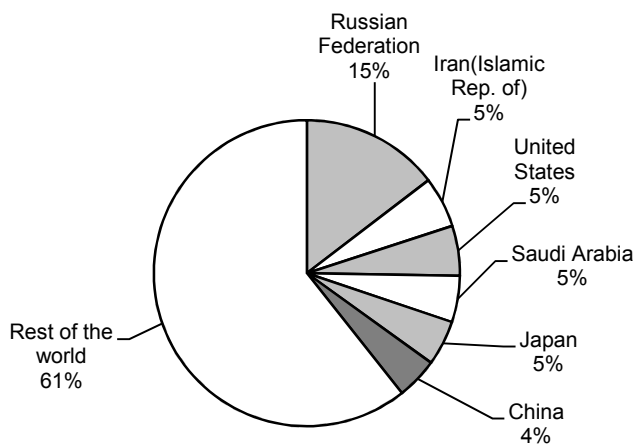
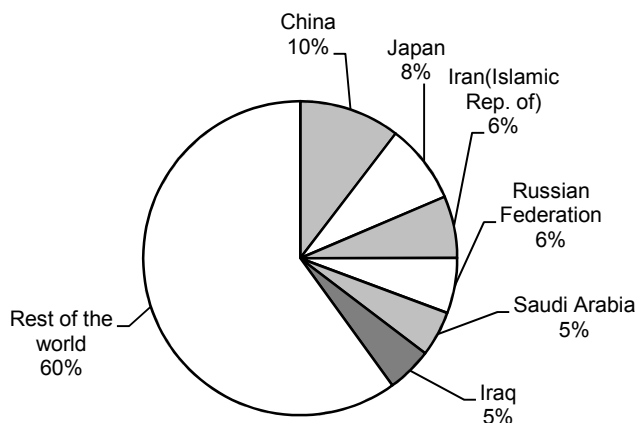


Figure 62: Major fuel oil consuming countries, 2012



Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
World	2009	519,793	236,918	281,936	162,709	-9,963	322,029	47
	2010	520,671	252,370	293,990	175,572	6,457	297,022	43
	2011	511,943	262,949	303,251	176,653	2,305	292,683	42
	2012	513,924	258,278	290,933	165,257	883	315,129	45
Africa	2009	28,946	6,237	10,961	5,532	-444	19,135	19
	2010	29,724	5,950	10,771	5,280	-8	19,630	19
	2011	26,690	4,314	8,953	3,233	175	18,643	18
	2012	28,134	5,351	8,517	3,783	-212	21,396	20
Algeria	2009	5,581	238	5,585	240	-7	1	0
	2010	5,749	227	5,611	273	6	86	2
	2011	5,848	193	5,694	213	1	133	4
	2012	5,115	201	5,127	211	-110	88	2
Angola	2009	671	..	116	185	..	370	20
	2010	620	..	53	176	..	391	20
	2011	727	..	190	159	..	378	19
	2012	817	..	262	175	..	380	18
Benin	2009	..	106	59	..	2	45	5
	2010	..	111	64	..	2	45	5
	2011	..	115	66	..	0	49	5
	2012	..	121	70	..	0	51	5
Botswana	2009	..	8	..	..	..	8	4
	2010	..	9	..	..	..	9	5
	2011	..	10	..	..	..	10	5
	2012	..	10	..	..	..	10	5
Burkina Faso	2009	..	73	..	..	*-2	75	5
	2010	..	52	..	..	0	52	3
	2011	..	47	..	..	0	47	3
	2012	..	47	..	..	0	47	3
Burundi	2009	..	2	..	..	..	2	0
	2010	..	*2	..	..	..	*2	0
	2011	..	*2	..	..	..	*2	0
	2012	..	*2	..	..	..	*2	0
Cabo Verde	2009	..	40	..	..	..	40	82
	2010	..	38	..	15	..	23	48
	2011	..	81	..	44	..	37	75
	2012	..	50	..	20	..	30	61
Cameroon	2009	259	..	146	5	-32	140	7
	2010	329	..	155	4	0	170	8
	2011	319	..	141	4	0	174	8
	2012	313	..	128	4	0	181	8
Central African Rep.	2009	..	*5	..	..	..	*5	*1
	2010	..	*5	..	..	..	*5	*1
	2011	..	*5	..	..	..	*5	*1
	2012	..	*6	..	..	..	*6	*1
Congo	2009	349	..	369	..	-20	0	0
	2010	227	13	235	..	0	5	1
	2011	197	8	197	..	-4	12	3
	2012	285	0	270	..	0	15	3
Côte d'Ivoire	2009	438	..	401	16	-33	54	3
	2010	521	..	477	19	0	25	1
	2011	328	..	300	12	0	16	1
	2012	543	..	332	20	0	191	10

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Dem. Rep. of the Congo	2009	..	42	..	..	..	42	1
	2010	..	42	..	..	..	42	1
	2011	..	44	..	..	..	44	1
	2012	..	47	..	..	..	47	1
Djibouti	2009	..	51	..	*10	*-14	55	67
	2010	..	80	..	*8	*2	70	84
	2011	..	28	..	*9	*-51	*70	*83
	2012	..	*80	..	*10	0	*70	*81
Egypt	2009	9,166	2,687	..	2,155	0	9,698	126
	2010	8,851	1,447	..	2,121	-1,085	9,262	119
	2011	8,902	349	..	296	0	8,955	113
	2012	10,155	1,005	..	290	0	10,870	135
Eritrea	2009	..	57	..	..	..	57	10
	2010	..	59	..	..	..	59	10
	2011	..	67	..	..	..	67	11
	2012	..	71	..	..	..	71	12
Ethiopia	2009	..	112	..	..	-5	117	1
	2010	..	131	..	..	0	131	2
	2011	..	144	..	..	-4	148	2
	2012	..	161	..	..	0	161	2
Gabon	2009	392	..	212	107	..	73	48
	2010	420	..	229	123	..	68	44
	2011	418	..	238	119	..	61	38
	2012	403	..	232	115	..	56	34
Gambia	2009	..	4	..	..	..	4	2
	2010	..	*4	..	..	..	*4	*3
	2011	..	*4	..	..	..	*4	*2
	2012	..	*4	..	..	..	*4	*2
Ghana	2009	25	..	30	..	..	-5	0
	2010	97	..	41	..	..	56	2
	2011	91	..	44	..	..	47	2
	2012	79	..	43	..	..	36	1
Guinea	2009	..	284	..	..	..	284	27
	2010	..	331	..	..	..	331	30
	2011	..	315	..	..	..	315	28
	2012	..	187	..	..	..	187	16
Guinea-Bissau	2009	..	*28	..	..	..	*28	*18
	2010	..	*28	..	..	..	*28	*18
	2011	..	*28	..	..	..	*28	*18
	2012	..	*29	..	..	..	*29	*17
Kenya	2009	498	120	5	2	-101	712	18
	2010	450	82	66	1	-215	680	17
	2011	520	276	0	24	0	772	18
	2012	300	149	0	12	0	437	10
Liberia	2009	..	*50	..	*10	..	*40	*10
	2010	..	40	..	*10	..	30	8
	2011	..	*40	..	*10	..	*30	*7
	2012	..	*40	..	*10	..	*30	*7
Libya	2009	4,902	0	1,884	365	0	2,653	445
	2010	6,315	0	2,220	375	952	2,768	458
	2011	1,668	104	0	83	0	1,689	277
	2012	2,582	205	0	358	0	2,429	395

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Madagascar	2009	..	58	..	*6	-2	55	3
	2010	..	73	..	*12	-11	73	3
	2011	..	100	..	*15	0	85	4
	2012	..	108	..	*16	5	87	4
Malawi	2009	..	*2	..	..	..	*2	0
	2010	..	*2	..	..	..	*2	0
	2011	..	*2	..	..	..	*2	0
	2012	..	*2	..	..	..	*2	0
Mali	2009	..	*64	..	..	..	*64	*5
	2010	..	*65	..	..	..	*65	*5
	2011	..	*66	..	..	..	*66	*5
	2012	..	*67	..	..	..	*67	*5
Mauritania	2009	..	138	..	..	0	138	39
	2010	..	160	..	..	0	160	44
	2011	..	185	..	..	0	185	50
	2012	..	207	..	..	0	207	55
Mauritius	2009	..	344	..	108	-16	252	205
	2010	..	341	..	123	-24	242	197
	2011	..	435	..	185	-8	258	209
	2012	..	401	..	163	-18	256	207
Morocco	2009	1,492	493	223	..	-106	1,868	60
	2010	1,586	1,222	0	..	509	2,299	73
	2011	2,441	218	76	..	102	2,481	77
	2012	2,118	660	47	..	-82	2,813	86
Mozambique	2009	..	0	..	..	..	0	0
	2010	..	0	..	..	..	0	0
	2011	..	1	..	..	..	1	0
	2012	..	0	..	..	..	0	0
Namibia	2009	..	11	..	..	..	11	5
	2010	..	12	..	..	..	12	6
	2011	..	15	..	..	..	15	7
	2012	..	26	..	..	..	26	12
Niger	2009	..	11	..	..	-1	12	1
	2010	..	10	..	..	-1	11	1
	2011	..	4	..	..	*-1	5	0
	2012	..	8	..	..	*1	7	0
Nigeria	2009	770	..	307	258	-132	337	2
	2010	1,276	..	547	290	-108	547	3
	2011	1,691	..	755	276	60	600	4
	2012	1,287	..	332	279	-33	709	4
Réunion	2009	..	100	..	..	16	85	101
	2010	..	73	..	..	-3	76	89
	2011	..	103	..	..	12	91	106
	2012	..	77	..	..	-1	77	89
Rwanda	2009	..	*4	..	..	0	*4	0
	2010	..	*3	..	..	0	*3	0
	2011	..	*3	..	..	0	*3	0
	2012	..	*4	..	..	0	*4	0
Senegal	2009	191	*165	*10	..	0	346	27
	2010	131	437	0	..	6	562	43
	2011	175	336	15	..	22	474	36
	2012	205	301	15	..	25	466	34

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Seychelles	2009	..	89	..	*4	..	85	941
	2010	..	69	..	*2	..	67	735
	2011	..	74	..	*3	..	71	772
	2012	..	68	..	*3	..	65	707
Sierra Leone	2009	..	15	..	..	..	15	3
	2010	..	22	..	..	..	22	4
	2011	..	18	..	..	..	18	3
	2012	..	20	..	..	..	20	3
Somalia	2009	0	*39	..	*12	..	*27	*3
	2010	0	*39	..	*12	..	*27	*3
	2011	0	*39	..	*12	..	*27	*3
	2012	0	*39	..	*12	..	*27	*3
South Africa	2009	2,703	82	920	2,006	..	-141	-3
	2010	2,292	63	910	1,669	..	-224	-4
	2011	2,403	98	964	1,720	..	-183	-4
	2012	2,856	86	1,042	2,032	..	-132	-3
Sudan	2009	817	0	41	..	..	776	17
	2010	675	0	20	..	..	655	14
	2011	629	0	37	..	..	592	13
	2012	398	21	0	..	..	419	9
Swaziland	2009	..	*5	..	..	..	*5	*4
	2010	..	*5	..	..	..	*5	*4
	2011	..	*5	..	..	..	*5	*4
	2012	..	*5	..	..	..	*5	*4
Togo	2009	..	56	..	..	10	46	7
	2010	..	80	..	..	8	72	11
	2011	..	75	..	..	12	63	10
	2012	..	42	..	..	-3	45	7
Tunisia	2009	607	499	626	0	0	480	46
	2010	94	379	99	1	-46	419	39
	2011	236	239	189	0	34	252	23
	2012	574	279	573	1	4	275	25
Uganda	2009	..	27	..	..	..	27	1
	2010	..	*37	..	..	..	*37	*1
	2011	..	46	..	..	..	46	1
	2012	..	*46	..	..	..	*46	*1
United Rep. of Tanzania	2009	..	129	..	43	..	86	2
	2010	..	155	..	46	..	109	2
	2011	..	391	..	49	..	342	7
	2012	..	469	..	52	..	417	9
Zambia	2009	85	..	26	..	0	59	5
	2010	91	..	44	..	0	47	4
	2011	97	..	47	..	0	50	4
	2012	104	..	44	..	0	60	4
America, North	2009	70,740	33,602	39,592	25,699	-1,065	40,116	74
	2010	67,784	35,987	37,316	26,968	297	39,189	71
	2011	63,705	33,885	38,204	24,010	-2,062	37,437	68
	2012	59,785	32,072	34,833	18,296	-637	39,364	70
Antigua and Barbuda	2009	..	*36	..	*3	..	*33	*382
	2010	..	*37	..	*3	..	*34	*390
	2011	..	*37	..	*3	..	*34	*386
	2012	..	*38	..	*3	..	*35	*393

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Aruba	2009	..	*211	..	*11	..	*200	*1,972
	2010	..	*209	..	*9	..	*200	*1,969
	2011	..	*210	..	*10	..	*200	*1,962
	2012	..	*211	..	*11	..	*200	*1,953
Bahamas	2009	..	100	..	*90	..	9	27
	2010	..	117	..	*104	..	12	33
	2011	..	189	..	*175	..	14	38
	2012	..	111	..	*99	..	12	33
Barbados	2009	..	236	..	..	-14	250	897
	2010	..	207	..	..	0	207	737
	2011	..	218	..	..	0	218	775
	2012	..	224	..	..	0	224	791
Belize	2009	..	*19	..	..	..	*19	*62
	2010	..	21	..	..	..	21	66
	2011	..	*21	..	..	..	*21	*65
	2012	..	*21	..	..	..	*21	*65
Bermuda	2009	..	*154	..	*18	..	*136	*2,101
	2010	..	*154	..	*18	..	*136	*2,088
	2011	..	*149	..	*19	..	*130	*2,002
	2012	..	*143	..	*19	..	*124	*1,904
Canada	2009	6,367	698	2,899	644	-73	3,595	107
	2010	6,719	909	2,829	660	103	4,036	118
	2011	6,629	460	2,932	491	-64	3,730	108
	2012	7,296	657	3,940	488	-19	3,544	102
Costa Rica	2009	93	84	32	..	-10	156	34
	2010	202	43	48	..	28	169	36
	2011	61	219	26	..	8	247	52
	2012	0	266	8	..	-26	283	59
Cuba	2009	2,629	0	..	..	..	2,629	233
	2010	2,436	1,860	..	..	..	4,296	381
	2011	2,322	1,371	..	..	..	3,693	328
	2012	2,520	1,490	..	..	..	4,010	356
Dominica	2009	..	*2	..	*1	..	*1	*14
	2010	..	*2	..	*1	..	*1	*14
	2011	..	*2	..	*1	..	*1	*14
	2012	..	*2	..	*1	..	*1	*14
Dominican Republic	2009	363	1,181	..	..	-53	1,597	162
	2010	377	1,193	..	..	-40	1,610	161
	2011	370	1,023	..	..	-66	1,460	144
	2012	315	997	..	..	4	1,308	127
El Salvador	2009	465	176	69	..	0	572	93
	2010	466	168	97	..	0	537	86
	2011	379	297	57	..	-13	632	101
	2012	295	384	0	..	3	676	107
Greenland	2009	..	..	..	..	..	..	..
	2010	..	3	..	1	1	1	22
	2011	..	9	..	7	0	2	36
	2012	..	11	..	8	1	1	24
Guadeloupe	2009	..	*208	..	..	..	*208	*456
	2010	..	*210	..	..	..	*210	*458
	2011	..	*210	..	..	..	*210	*455
	2012	..	*210	..	..	..	*210	*453

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Guatemala	2009	..	917	12	..	-43	948	68
	2010	..	570	9	..	19	542	38
	2011	..	628	9	..	2	617	42
	2012	..	582	1	..	-18	599	40
Haiti	2009	..	11	..	..	..	11	1
	2010	..	6	..	..	..	6	1
	2011	..	31	..	..	..	31	3
	2012	..	66	..	..	..	66	6
Honduras	2009	..	903	1	1	-27	928	124
	2010	..	915	0	1	0	914	120
	2011	..	977	0	1	0	976	126
	2012	..	1,020	0	1	0	1,019	128
Jamaica	2009	749	538	0	14	-283	1,556	570
	2010	714	763	272	0	-33	1,238	452
	2011	729	794	219	0	2	1,301	472
	2012	695	721	233	0	0	1,182	427
Martinique	2009	*371	*3	*34	*18	..	*322	*805
	2010	*388	*3	*34	*18	..	*340	*848
	2011	*410	*3	*34	*19	..	*360	*897
	2012	*417	*3	*34	*20	..	*367	*910
Mexico	2009	17,982	2,229	6,894	103	-52	13,266	114
	2010	18,328	626	6,954	103	38	11,859	101
	2011	17,486	1,423	5,736	99	-146	13,220	111
	2012	15,593	2,544	3,978	103	230	13,826	114
Netherlands Antilles	2009	4,038	2,483	3,803	2,002	..	716	3,546
	2010	1,518	2,527	1,481	2,038	..	526	2,533
	2011	2,974	2,555	2,900	2,063	..	566	2,655
	2012	3,101	2,547	3,020	2,053	..	575	2,633
Nicaragua	2009	395	217	..	..	26	586	102
	2010	372	156	..	..	-42	570	98
	2011	355	279	..	..	40	594	101
	2012	234	293	..	..	-9	536	89
Panama	2009	..	3,095	..	2,553	-171	713	197
	2010	..	3,132	..	2,663	-286	755	205
	2011	..	2,659	..	2,325	-298	632	169
	2012	..	*2,700	..	*2,350	-147	*497	*131
St. Lucia	2009	..	*6	..	*6	..	0	0
	2010	..	*6	..	*6	..	0	0
	2011	..	*6	..	*6	..	0	0
	2012	..	*6	..	*6	..	0	0
Trinidad and Tobago	2009	2,547	..	2,411	188	-52	0	0
	2010	2,210	..	2,041	159	10	0	0
	2011	2,461	..	2,287	178	-5	1	1
	2012	2,297	..	2,039	332	-74	0	0
United States	2009	34,740	20,096	23,437	20,046	-312	11,665	38
	2010	34,054	22,151	23,552	21,184	499	10,970	35
	2011	29,529	20,114	24,005	18,612	-1,521	8,547	27
	2012	27,022	16,825	21,580	12,802	-582	10,047	32
America, South	2009	45,881	1,688	21,230	7,236	-1,092	20,194	52
	2010	44,280	1,956	20,937	6,978	-1,283	19,605	50
	2011	46,027	2,685	23,285	7,329	267	17,831	45
	2012	45,335	2,501	23,204	6,964	-863	18,531	46

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Argentina	2009	3,219	652	426	730	-31	2,746	69
	2010	3,653	696	594	993	-27	2,789	69
	2011	3,351	696	34	1,183	-33	2,863	70
	2012	3,953	696	50	1,541	-53	3,111	76
Bolivia (Plur. State of)	2009	338	..	369	..	-31	0	0
	2010	391	..	381	..	-10	20	2
	2011	416	..	454	..	-59	21	2
	2012	332	..	317	..	15	0	0
Brazil	2009	14,386	10	3,956	3,144	65	7,231	37
	2010	14,115	153	4,536	3,356	10	6,366	33
	2011	13,289	674	4,877	3,960	26	5,100	26
	2012	13,747	216	5,140	3,509	-72	5,386	27
Chile	2009	1,802	480	81	811	-15	1,405	83
	2010	1,401	427	0	397	9	1,422	83
	2011	1,238	598	66	492	20	1,258	73
	2012	1,192	373	146	163	2	1,254	72
Colombia	2009	3,251	4	3,248	3	-158	162	4
	2010	3,871	5	3,545	0	61	270	6
	2011	3,923	8	3,760	0	-16	187	4
	2012	4,093	8	3,844	0	33	224	5
Ecuador	2009	3,371	..	1,631	1,283	-1,044	1,501	102
	2010	3,040	..	1,458	1,016	-749	1,315	88
	2011	3,513	..	1,587	468	83	1,375	90
	2012	3,195	409	1,287	536	-132	1,913	123
French Guiana	2009	..	*60	..	..	..	*60	*266
	2010	..	*53	..	..	..	*53	*229
	2011	..	*54	..	..	..	*54	*228
	2012	..	*40	..	..	..	*40	*165
Guyana	2009	..	136	..	..	-1	137	175
	2010	..	185	..	..	-1	186	237
	2011	..	159	..	..	1	158	199
	2012	..	184	..	..	4	180	226
Paraguay	2009	..	27	..	..	0	27	4
	2010	..	47	..	..	2	45	7
	2011	..	38	..	..	-2	41	6
	2012	..	68	..	..	-8	76	11
Peru	2009	2,338	0	916	104	118	1,200	41
	2010	2,429	41	1,208	110	364	788	27
	2011	2,414	49	1,113	172	281	897	30
	2012	1,716	0	1,465	216	-679	714	24
Suriname	2009	363	0	58	..	0	305	586
	2010	779	38	449	..	-1	369	702
	2011	843	31	568	..	0	306	577
	2012	865	32	576	..	0	321	601
Uruguay	2009	513	319	..	385	5	442	132
	2010	462	186	..	342	-26	333	99
	2011	307	378	..	258	-34	461	136
	2012	414	414	..	158	27	644	190
Venezuela(Bolivar. Rep.)	2009	16,300	0	10,545	776	0	4,979	174
	2010	14,139	125	8,766	764	-915	5,649	195
	2011	16,733	0	10,826	796	0	5,111	173
	2012	15,828	61	10,379	841	0	4,669	156

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Asia	2009	201,877	127,839	84,344	76,870	-5,876	174,378	42
	2010	206,123	138,557	86,392	88,622	8,294	161,372	39
	2011	206,481	149,512	97,752	92,858	4,471	160,912	38
	2012	213,729	149,190	88,312	91,751	3,128	179,728	42
Afghanistan	2009	..	1	..	..	..	1	0
	2010	..	1	..	..	..	1	0
	2011	..	1	..	..	..	1	0
	2012	..	1	..	..	..	1	0
Armenia	2009	..	1	..	..	..	1	0
	2010	..	*1	..	..	..	*1	0
	2011	..	1	..	..	..	1	0
	2012	..	0	..	..	..	0	0
Azerbaijan	2009	287	1	35	..	-13	266	30
	2010	231	0	184	..	-34	81	9
	2011	254	0	213	..	-93	134	15
	2012	286	0	107	..	39	140	15
Bahrain	2009	2,314	0	2,360	77	-45	-78	-65
	2010	2,312	0	2,318	80	-86	0	0
	2011	2,706	0	2,636	78	-8	0	0
	2012	2,429	64	2,686	82	-275	0	0
Bangladesh	2009	192	30	..	76	..	146	1
	2010	341	0	..	81	..	260	2
	2011	367	231	..	86	..	512	3
	2012	275	681	..	91	..	865	6
Brunei Darussalam	2009	84	..	..	84	..	0	0
	2010	91	..	..	91	..	0	0
	2011	98	..	..	98	..	0	0
	2012	66	..	..	66	..	0	0
Cambodia	2009	..	378	..	..	..	378	27
	2010	..	374	..	..	..	374	26
	2011	..	386	..	..	..	386	26
	2012	..	357	..	..	..	357	24
China	2009	13,534	24,072	8,624	3,600	255	25,127	19
	2010	15,074	26,952	9,900	8,259	-30	23,897	18
	2011	11,138	30,974	12,271	8,723	260	20,858	15
	2012	22,532	31,024	11,617	8,590	631	32,718	24
China, Hong Kong SAR	2009	..	7,236	532	5,739	937	28	4
	2010	..	9,667	278	6,168	3,197	24	3
	2011	..	7,713	271	6,924	96	422	59
	2012	..	7,491	485	7,125	-56	-63	-9
China, Macao SAR	2009	..	197	..	..	2	195	374
	2010	..	65	..	..	-5	70	131
	2011	..	*93	..	..	0	*93	*170
	2012	..	*83	..	..	0	*83	*150
Cyprus	2009	..	1,356	..	146	-37	1,247	1,143
	2010	..	1,317	..	134	66	1,117	1,012
	2011	..	1,153	..	141	-85	1,097	983
	2012	..	1,072	..	128	24	920	815
Georgia	2009	5	49	4	..	..	50	11
	2010	0	30	4	..	..	26	6
	2011	0	6	0	..	..	6	1
	2012	0	3	1	..	..	2	1

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
India	2009	18,346	896	5,155	..	-7,368	21,455	18
	2010	20,519	925	6,734	..	5,903	8,807	7
	2011	19,456	1,128	7,895	..	5,216	7,473	6
	2012	15,054	1,068	5,922	..	*4,609	5,591	5
Indonesia	2009	2,803	1,980	223	*94	..	4,466	19
	2010	2,271	948	24	82	..	3,113	13
	2011	8,833	942	4,507	106	..	5,162	21
	2012	8,472	397	3,950	113	..	4,806	19
Iran(Islamic Rep. of)	2009	26,379	..	7,801	1,980	..	16,598	226
	2010	26,481	..	10,161	2,307	..	14,013	188
	2011	26,689	..	10,372	2,180	..	14,136	187
	2012	27,701	..	5,798	1,801	..	20,103	263
Iraq	2009	11,526	..	1,419	..	..	10,107	335
	2010	13,458	..	250	..	..	13,208	427
	2011	13,621	..	57	162	..	13,402	421
	2012	14,964	..	118	181	..	14,665	447
Israel	2009	2,436	90	522	326	0	1,678	231
	2010	2,521	81	585	312	-13	1,718	232
	2011	2,481	128	1,112	265	-30	1,262	167
	2012	1,813	687	630	261	-20	1,629	213
Japan	2009	21,872	2,146	2,623	4,509	79	16,807	132
	2010	21,169	3,049	2,477	4,451	-9	17,299	136
	2011	22,410	6,856	2,589	3,949	-29	22,757	179
	2012	24,499	8,009	2,691	3,886	72	25,859	203
Jordan	2009	897	0	0	20	93	784	127
	2010	1,054	300	105	10	4	1,235	191
	2011	847	658	0	3	-103	1,605	238
	2012	975	783	0	12	49	1,697	242
Kazakhstan	2009	3,261	3	2,310	..	-101	1,055	67
	2010	3,806	1	2,604	..	-89	1,292	81
	2011	4,277	2	2,843	..	21	1,415	88
	2012	3,936	26	2,600	..	-103	1,465	90
Korea, Dem.Ppl's.Rep.	2009	106	267	..	..	..	373	15
	2010	108	255	..	..	..	363	15
	2011	108	276	..	..	..	384	16
	2012	108	247	..	..	..	355	14
Korea, Republic of	2009	18,470	2,978	3,880	7,388	-63	10,243	213
	2010	19,002	2,626	3,888	7,931	78	9,731	201
	2011	18,496	2,310	5,173	7,743	176	7,714	158
	2012	15,282	4,094	4,267	7,562	-81	7,628	156
Kuwait	2009	10,159	..	1,561	353	..	8,245	2,893
	2010	10,880	..	3,728	495	..	6,657	2,225
	2011	9,766	..	3,072	962	..	5,732	1,834
	2012	10,825	..	3,167	1,004	..	6,654	2,047
Kyrgyzstan	2009	39	128	16	..	-17	168	32
	2010	44	129	22	..	20	131	25
	2011	46	77	9	..	-19	133	25
	2012	39	50	2	..	6	81	15
Lao People's Dem. Rep.	2009	..	*22	..	..	..	*22	*4
	2010	..	*22	..	..	..	*22	*3
	2011	..	*33	..	..	..	*33	*5
	2012	..	*33	..	..	..	*33	*5

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Lebanon	2009	..	1,423	..	24	..	1,399	329
	2010	..	1,356	..	26	..	1,330	306
	2011	..	1,347	..	27	..	1,320	295
	2012	..	1,138	..	27	..	1,111	239
Malaysia	2009	1,182	*1,064	*583	*21	*337	*1,305	*47
	2010	*330	*1,199	*954	*23	*33	*519	*18
	2011	576	1,482	343	189	0	1,526	53
	2012	1,621	800	1,026	54	0	1,341	46
Mongolia	2009	..	5	..	..	..	5	2
	2010	..	5	..	..	..	5	2
	2011	..	7	..	..	..	7	3
	2012	..	*7	..	..	..	*7	*3
Myanmar	2009	54	..	..	..	-1	55	1
	2010	43	..	..	..	-8	51	1
	2011	45	..	..	..	0	45	1
	2012	41	..	..	..	0	41	1
Nepal	2009	..	2	..	..	..	2	0
	2010	..	1	..	..	..	1	0
	2011	..	0	..	..	..	0	0
	2012	..	2	..	..	..	2	0
Oman	2009	3,760	..	1,545	122	..	2,093	786
	2010	2,698	..	366	221	..	2,111	753
	2011	2,933	..	511	157	..	2,265	749
	2012	2,867	..	492	23	..	2,352	710
Other Asia	2009	8,328	845	565	1,447	-146	7,307	317
	2010	8,714	2,284	724	1,618	54	8,602	372
	2011	8,300	1,350	918	1,481	-235	7,486	323
	2012	8,842	1,032	1,323	1,050	540	6,961	299
Pakistan	2009	2,497	5,600	13	195	191	7,699	45
	2010	2,435	6,661	4	146	36	8,909	51
	2011	2,174	6,419	1	91	-153	8,654	49
	2012	*2,653	*5,582	0	*84	*-153	*8,304	*46
Philippines	2009	1,628	836	267	172	-68	2,093	23
	2010	1,949	855	239	156	16	2,392	26
	2011	1,994	346	531	197	17	1,595	17
	2012	1,734	267	202	172	-20	1,647	17
Qatar	2009	238	..	245	..	-7	0	0
	2010	305	..	282	..	23	0	0
	2011	224	..	236	..	-12	0	0
	2012	321	..	329	..	-8	0	0
Saudi Arabia	2009	27,269	360	13,015	2,598	-487	12,503	467
	2010	24,411	28	9,694	2,631	-164	12,278	450
	2011	22,849	1,300	6,542	2,740	699	14,168	510
	2012	25,282	3,309	10,747	2,858	181	14,805	523
Singapore	2009	4,805	56,387	22,940	34,792	1,001	2,459	495
	2010	6,871	59,714	22,439	39,248	-664	5,562	1,095
	2011	7,468	64,469	27,354	41,577	-407	3,413	657
	2012	5,431	61,180	23,147	41,229	-1,187	3,422	645
Sri Lanka	2009	781	453	0	108	121	1,005	49
	2010	686	423	0	199	-27	937	45
	2011	615	368	26	223	-216	951	45
	2012	648	564	0	217	-13	1,008	48

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Syrian Arab Republic	2009	4,116	2,270	808	..	-529	6,107	290
	2010	4,838	1,549	845	89	47	5,406	251
	2011	4,741	1,052	554	77	0	5,162	237
	2012	3,365	449	0	40	0	3,774	172
Tajikistan	2009	9	98	..	..	..	107	14
	2010	12	103	..	..	..	115	15
	2011	10	111	..	..	..	121	15
	2012	11	119	..	..	..	130	16
Thailand	2009	7,188	86	4,029	..	376	2,869	43
	2010	6,266	105	3,360	..	262	2,749	41
	2011	6,074	344	3,619	..	*216	2,583	39
	2012	6,393	376	3,993	..	*298	2,478	37
Turkey	2009	3,012	631	1,171	177	-66	2,361	33
	2010	2,780	651	2,255	138	34	1,004	14
	2011	2,492	676	2,148	65	-40	995	14
	2012	1,567	913	1,204	34	153	1,089	15
Turkmenistan	2009	2,040	..	916	..	..	1,124	226
	2010	2,200	..	988	..	..	1,212	240
	2011	2,230	..	1,001	..	..	1,229	241
	2012	2,160	..	970	..	..	1,190	230
United Arab Emirates	2009	1,034	12,677	..	12,500	..	1,211	157
	2010	970	13,589	..	13,375	..	1,184	140
	2011	1,067	14,438	..	14,244	..	1,261	141
	2012	888	15,092	..	14,681	..	1,299	141
Uzbekistan	2009	499	..	..	..	..	499	18
	2010	508	..	..	..	..	508	18
	2011	456	..	..	..	..	456	16
	2012	278	..	..	..	..	278	10
Viet Nam	2009	37	1,855	*400	290	-320	1,522	17
	2010	148	1,766	207	320	-350	1,737	20
	2011	150	1,470	220	340	-800	1,860	21
	2012	165	823	232	358	-1,558	1,956	22
Yemen	2009	690	1,416	782	33	..	1,291	58
	2010	597	1,525	772	31	..	1,319	58
	2011	490	1,365	728	30	..	1,097	47
	2012	207	1,367	606	23	..	945	40
Europe	2009	170,807	65,185	125,431	46,262	-1,476	65,775	89
	2010	171,406	67,463	138,402	46,794	-773	54,445	74
	2011	167,375	70,286	134,613	48,349	-556	55,254	75
	2012	165,312	66,818	135,354	43,353	-486	53,910	73
Albania	2009	11	0	..	..	9	2	1
	2010	4	5	..	..	0	9	3
	2011	9	3	..	..	0	12	4
	2012	0	1	..	..	0	1	0
Austria	2009	989	109	296	..	10	792	95
	2010	815	174	244	..	-142	887	106
	2011	822	86	266	..	-29	671	80
	2012	953	59	220	..	-1	793	94
Belarus	2009	7,291	266	6,992	..	-119	684	72
	2010	5,104	371	4,955	..	-15	535	56
	2011	6,407	848	6,538	..	3	714	76
	2012	7,284	3,321	6,566	..	22	4,017	427

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Belgium	2009	5,039	5,904	3,215	6,925	-89	892	82
	2010	5,564	5,587	3,867	7,423	-97	-42	-4
	2011	5,856	4,914	4,329	6,604	-107	-56	-5
	2012	5,312	4,420	3,953	5,794	17	-32	-3
Bosnia and Herzegovina	2009	338	15	130	..	..	223	58
	2010	257	26	77	..	..	206	54
	2011	218	31	55	..	..	194	51
	2012	176	30	8	..	..	198	52
Bulgaria	2009	1,536	64	1,154	57	-24	413	55
	2010	1,422	43	1,305	46	-3	117	16
	2011	1,424	29	1,338	29	-12	98	13
	2012	1,488	59	1,394	19	6	128	18
Croatia	2009	1,066	75	336	6	-68	867	199
	2010	869	57	402	6	46	472	109
	2011	731	13	372	23	-100	449	104
	2012	563	63	326	0	-37	337	78
Czech Republic	2009	260	106	61	..	2	303	29
	2010	239	72	77	..	9	225	21
	2011	195	29	98	..	-21	147	14
	2012	145	29	73	..	0	101	9
Denmark	2009	1,265	1,212	1,888	273	110	206	37
	2010	1,276	2,536	2,801	430	280	301	54
	2011	1,147	2,040	2,884	465	-334	172	31
	2012	1,312	1,724	2,645	277	-75	189	34
Estonia	2009	..	220	0	215	-12	17	13
	2010	..	210	0	205	-2	7	5
	2011	..	169	0	169	9	-9	-7
	2012	..	906	581	325	1	-1	-1
Faeroe Islands	2009	..	*78	..	25	..	*52	*1,055
	2010	..	*85	..	23	..	*61	*1,238
	2011	..	*78	..	23	..	*55	*1,105
	2012	..	*79	..	23	..	*57	*1,149
Finland	2009	1,435	581	867	206	-140	1,083	203
	2010	1,209	723	704	152	-25	1,101	205
	2011	1,294	695	927	142	-1	921	171
	2012	1,287	809	1,097	82	-118	1,035	191
France	2009	9,483	8,064	5,957	2,342	-38	9,286	148
	2010	9,196	8,212	6,408	2,254	-187	8,933	141
	2011	9,024	7,402	6,497	2,447	-7	7,489	118
	2012	8,237	5,346	5,905	2,317	-222	5,583	87
Germany	2009	9,756	3,042	3,297	2,295	-330	7,536	91
	2010	7,942	2,679	1,755	2,306	155	6,405	77
	2011	7,754	2,791	1,967	2,296	-243	6,525	79
	2012	8,319	2,388	2,057	2,173	139	6,338	77
Gibraltar	2009	..	2,227	..	2,184	..	43	1,469
	2010	..	2,271	..	2,228	..	43	1,470
	2011	..	2,418	..	2,375	..	43	1,469
	2012	..	2,438	..	2,395	..	43	1,468
Greece	2009	5,959	1,845	1,583	2,359	191	3,671	331
	2010	5,878	1,558	2,172	2,444	-48	2,868	258
	2011	5,053	1,852	2,165	2,535	42	2,163	195
	2012	5,111	2,196	2,731	2,064	77	2,435	219

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Hungary	2009	168	32	23	..	-48	225	22
	2010	111	17	25	..	-39	142	14
	2011	150	13	58	..	-10	115	12
	2012	81	11	24	..	-2	70	7
Iceland	2009	..	96	..	25	5	66	210
	2010	..	93	..	28	6	59	186
	2011	..	89	..	32	1	56	174
	2012	..	106	..	27	3	76	233
Ireland	2009	949	436	917	41	-40	467	106
	2010	969	303	783	2	-103	590	132
	2011	1,071	236	1,088	23	-5	201	44
	2012	967	202	984	24	-31	192	42
Italy	2009	11,236	1,921	3,151	2,180	-185	8,011	133
	2010	10,548	968	3,378	2,815	-9	5,332	88
	2011	9,180	850	2,804	2,338	340	4,548	75
	2012	9,216	600	3,145	2,388	584	3,699	61
Latvia	2009	..	244	0	218	-6	32	15
	2010	..	216	0	187	3	26	12
	2011	..	159	0	143	-2	18	9
	2012	..	169	1	157	-3	14	7
Lithuania	2009	1,660	188	1,416	114	-36	354	114
	2010	1,741	268	1,513	127	95	274	89
	2011	1,760	159	1,628	126	-23	188	62
	2012	1,709	155	1,590	105	-113	282	93
Luxembourg	2009	..	2	..	..	..	2	4
	2010	..	4	..	..	..	4	8
	2011	..	2	..	..	..	2	4
	2012	..	2	..	..	..	2	4
Malta	2009	..	1,326	..	804	9	513	1,213
	2010	..	1,807	..	1,243	2	562	1,323
	2011	..	1,518	..	972	-14	560	1,313
	2012	..	1,569	..	1,003	30	536	1,253
Montenegro	2009	..	35	1	..	..	34	55
	2010	..	11	0	..	..	11	18
	2011	..	10	1	..	..	9	15
	2012	..	8	1	..	..	7	11
Netherlands	2009	8,496	26,828	21,453	13,292	62	517	31
	2010	9,800	30,080	27,061	12,662	-657	814	49
	2011	8,481	34,232	27,507	13,734	-378	1,850	111
	2012	8,696	33,207	28,190	12,337	244	1,132	68
Norway	2009	2,009	1,458	2,088	231	32	1,116	231
	2010	1,870	1,612	1,646	204	-19	1,651	338
	2011	1,747	1,372	1,874	194	-62	1,113	225
	2012	1,591	1,202	1,659	182	-15	967	194
Poland	2009	2,599	50	998	190	-21	1,482	39
	2010	3,123	86	1,575	167	-18	1,485	39
	2011	3,391	71	2,004	106	2	1,350	35
	2012	3,430	61	2,310	80	-23	1,124	29
Portugal	2009	1,976	435	669	450	-17	1,309	124
	2010	2,199	264	916	425	9	1,113	105
	2011	2,534	381	1,258	527	37	1,093	103
	2012	2,740	233	1,439	579	44	911	86

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Republic of Moldova	2009	16	45	10	..	14	37	10
	2010	12	18	3	..	-6	33	9
	2011	10	17	7	..	-4	24	7
	2012	12	7	8	..	-7	18	5
Romania	2009	883	53	383	9	13	531	24
	2010	764	83	426	4	8	409	19
	2011	722	15	330	0	-77	484	22
	2012	562	2	304	0	-207	467	21
Russian Federation	2009	69,573	319	56,248	..	-654	14,298	100
	2010	74,998	870	62,583	647	343	12,295	86
	2011	73,640	1,156	55,183	1,907	205	17,501	122
	2012	75,072	189	57,080	519	-299	17,961	125
Serbia	2009	626	22	109	..	-3	542	56
	2010	691	0	134	..	-8	565	59
	2011	542	4	83	..	-8	471	49
	2012	472	74	49	..	9	488	51
Slovakia	2009	630	84	300	..	38	376	69
	2010	692	80	384	..	-29	417	77
	2011	638	101	355	..	16	368	68
	2012	616	117	352	..	-1	382	70
Slovenia	2009	..	53	0	33	0	20	10
	2010	..	28	0	19	0	9	4
	2011	..	41	0	33	0	8	4
	2012	..	59	0	51	0	8	4
Spain	2009	9,147	4,255	1,854	7,539	13	3,996	87
	2010	8,334	3,408	2,143	7,143	-95	2,551	55
	2011	7,927	3,785	2,195	7,506	-45	2,056	44
	2012	6,536	3,233	1,438	7,451	-186	1,066	23
Sweden	2009	4,426	1,240	2,545	2,099	-40	1,062	114
	2010	5,153	1,048	3,627	1,836	-128	866	92
	2011	4,970	1,223	3,369	1,564	190	1,070	113
	2012	5,099	783	3,221	1,498	-197	1,360	143
Switzerland	2009	383	63	411	..	-45	80	10
	2010	377	33	323	..	17	70	9
	2011	344	15	306	..	-7	60	8
	2012	275	14	169	..	58	62	8
T.F.Yug.Rep. Macedonia	2009	362	19	81	..	22	279	133
	2010	260	0	53	..	-16	222	106
	2011	246	8	70	..	-10	193	92
	2012	97	133	24	..	11	195	93
Ukraine	2009	2,600	932	1,451	..	-9	2,090	45
	2010	2,464	537	2,167	..	15	819	18
	2011	2,181	623	1,917	..	-1	888	19
	2012	790	155	509	..	-90	526	12
United Kingdom	2009	8,640	1,241	5,547	2,150	-82	2,266	37
	2010	7,525	1,020	4,895	1,768	-115	1,997	32
	2011	7,907	808	5,140	2,036	99	1,440	23
	2012	7,164	659	5,301	1,483	-104	1,143	18
Oceania	2009	1,542	2,367	379	1,110	-11	2,431	67
	2010	1,355	2,458	172	929	-70	2,781	76
	2011	1,666	2,268	444	874	10	2,606	70
	2012	1,629	2,346	712	1,110	-47	2,200	58

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Australia	2009	890	1,596	178	799	3	1,506	68
	2010	860	1,616	103	626	-69	1,816	81
	2011	952	1,414	184	571	1	1,610	71
	2012	940	1,494	458	772	-18	1,222	53
Fiji	2009	..	25	..	*5	..	21	24
	2010	..	25	..	*7	..	18	21
	2011	..	*25	..	*7	..	*18	*21
	2012	..	*25	..	*7	..	*18	*21
French Polynesia	2009	..	*110	..	*2	..	*108	*406
	2010	..	*114	..	*2	..	*111	*416
	2011	..	*114	..	*2	..	*111	*411
	2012	..	*114	..	*2	..	*111	*407
Nauru	2009	..	*9	..	..	..	*9	*897
	2010	..	*9	..	..	..	*9	*898
	2011	..	*8	..	..	..	*8	*798
	2012	..	*8	..	..	..	*8	*797
New Caledonia	2009	..	428	..	..	..	428	1,762
	2010	..	455	..	..	..	455	1,846
	2011	..	452	..	..	..	452	1,808
	2012	..	453	..	..	..	453	1,791
New Zealand	2009	558	0	201	298	-13	72	17
	2010	380	0	69	288	-11	34	8
	2011	594	0	260	287	12	35	8
	2012	562	0	254	322	-19	5	1
Palau	2009	..	*29	..	..	..	*29	*1,425
	2010	..	*31	..	..	..	*31	*1,514
	2011	..	*32	..	..	..	*32	*1,529
	2012	..	*32	..	..	..	*32	*1,518
Papua New Guinea	2009	94	*169	0	*6	-1	*258	*39
	2010	115	*207	0	*6	10	*306	*45
	2011	120	223	0	6	-3	340	48
	2012	127	*206	0	*6	-10	*337	*47
Tonga	2009	..	0	..	0	..	0	*1
	2010	..	*1	..	0	..	0	*3
	2011	..	1	..	0	..	0	4
	2012	..	14	..	0	..	14	132

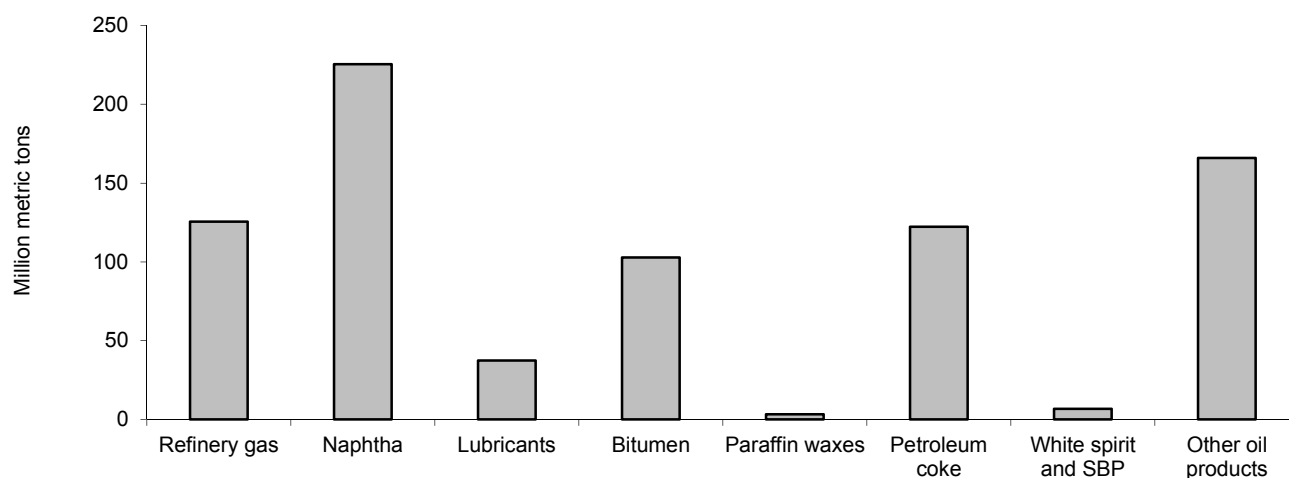
Table 23**Production of other oil products from refineries - by type**

Thousand metric tons

Table Notes**Total production**

Production broken down into refinery gas, ethane, naphtha, lubricants, bitumen, paraffin waxes, petroleum coke, white spirit, and other oil products (which for this table includes refinery output of feedstocks).

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification.

Figure 63: Production of other oil products from refineries, 2012*

*Ethane is included with other oil products

Production of other oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
World	2009	138,330	458	206,732	40,518	102,965	5,016	103,366	4,585	81,456
	2010	143,049	474	219,448	37,087	110,887	3,552	110,592	5,563	140,545
	2011	144,430	475	226,674	38,517	104,100	3,325	116,581	6,452	134,300
	2012	125,651	447	225,534	37,478	102,793	3,277	122,340	6,817	165,460
Africa	2009	2,225	..	10,062	1,108	2,148	55	736	90	963
	2010	2,643	..	13,934	1,279	2,085	59	735	73	1,706
	2011	2,287	..	11,250	1,349	1,894	55	753	92	1,494
	2012	2,330	..	11,530	1,158	1,637	50	607	99	1,000
Algeria	2009	309	..	4,656	140	310	..	..	..	138
	2010	315	..	7,440	152	209	..	..	..	86
	2011	304	..	6,939	118	175	..	..	..	69
	2012	273	..	6,432	100	209	..	..	..	64
Angola	2009	86	..	133	..	29	..	..	..	..
	2010	87	..	169	..	37	..	..	..	..
	2011	59	..	166	..	2	..	..	..	..
	2012	58	..	136	..	2	..	..	..	..
Cameroon	2009	73	..	..	..	..	..	..	..	133
	2010	76	..	..	..	..	..	..	..	177
	2011	74	..	..	..	..	..	..	..	172
	2012	73	..	..	..	..	..	..	..	169
Congo	2009	..	..	..	..	..	..	..	..	13
	2010	..	..	..	..	..	..	..	..	14
	2011	..	..	7	..	..	..	..	..	14
	2012	..	..	10	..	..	..	..	..	20
Côte d'Ivoire	2009	28	..	..	12	207	..	..	..	..
	2010	23	..	..	14	263	..	..	..	..
	2011	19	..	..	4	147	..	..	..	..
	2012	27	..	..	3	172	..	..	..	..
Egypt	2009	149	..	2,237	393	871	..	419	..	412
	2010	144	..	3,265	328	726	..	331	..	399
	2011	121	..	2,843	360	802	..	375	..	391
	2012	133	..	2,706	292	646	..	252	..	*268
Gabon	2009	..	..	..	10	2	..	..	..	..
	2010	..	..	..	10	2	..	..	..	..
	2011	..	..	..	10	2	..	..	..	..
	2012	..	..	..	10	2	..	..	..	..
Ghana	2009	13	..	..	..	..	..	..	..	..
	2010	29	..	..	..	..	..	..	..	..
	2011	42	..	..	..	..	..	..	..	..
	2012	20	..	..	..	..	..	..	..	..
Kenya	2009	71	..	..	..	0	..	..	..	9
	2010	78	..	..	..	8	..	..	..	1
	2011	68	..	..	54	15	..	..	..	4
	2012	38	..	..	4	27	..	..	..	2
Libya	2009	302	..	2,474	..	70	..	..	..	14
	2010	330	..	2,457	..	159	..	..	..	14
	2011	111	..	649	..	31	..	..	..	5
	2012	164	..	1,348	..	46	..	..	..	7
Morocco	2009	171	..	335	85	287	2	..	..	..
	2010	*234	..	538	101	277	2	..	..	..
	2011	*262	..	448	103	315	1	..	..	..
	2012	*280	..	493	107	171	1	..	..	..

Table 23

Production of other oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Nigeria	2009	51	..	..	89	0	..	6	..	200
	2010	112	..	..	37	11	..	3	..	936
	2011	111	..	..	10	33	..	1	..	780
	2012	125	..	..	11	0	..	1	..	375
Senegal	2009	10	..	22	..	..	..	..	..	0
	2010	9	..	13	..	..	..	..	..	25
	2011	12	..	31	..	..	..	..	..	0
	2012	13	..	17	..	..	..	..	..	36
South Africa	2009	906	..	..	379	367	53	..	79	22
	2010	1,162	..	..	637	388	*57	..	70	31
	2011	1,058	..	..	690	367	*54	..	86	34
	2012	1,073	..	..	631	357	*49	..	84	32
Sudan	2009	26	..	23	..	..	..	311	..	..
	2010	25	..	20	..	..	..	401	..	..
	2011	22	..	18	..	..	..	377	..	..
	2012	20	..	16	..	..	..	354	..	..
Tunisia	2009	14	..	182	..	..	..	..	11	0
	2010	2	..	32	..	..	..	..	3	0
	2011	*6	..	149	..	..	..	..	6	0
	2012	*13	..	372	..	..	..	..	15	0
Zambia	2009	16	..	..	..	5	..	..	..	22
	2010	17	..	..	..	5	..	..	..	23
	2011	18	..	..	..	5	..	..	..	25
	2012	19	..	..	..	5	..	..	..	27
America, North	2009	42,252	419	14,797	9,286	28,199	393	59,491	1,451	23,693
	2010	42,227	429	16,886	9,995	29,567	425	59,666	1,677	23,560
	2011	42,382	424	16,957	10,377	28,989	422	62,257	1,695	23,689
	2012	22,498	392	15,939	9,757	28,027	414	62,814	2,001	13,268
Aruba	2009	..	..	..	..	..	..	..	..	*10,058
	2010	..	..	..	..	..	..	..	..	*10,067
	2011	..	..	..	..	..	..	..	..	*10,050
	2012	..	..	..	..	..	..	..	..	*2,440
Canada	2009	5,440	..	2,307	965	4,116	..	3,549	26	4,255
	2010	5,227	..	4,014	1,006	4,470	..	3,382	49	4,243
	2011	4,693	..	3,366	1,029	4,357	..	3,765	54	4,310
	2012	3,986	..	3,539	1,128	4,510	..	3,456	70	2,100
Costa Rica	2009	..	..	8	..	15	..	..	..	..
	2010	..	..	0	..	2	..	..	..	..
	2011	..	..	0	..	2	..	..	..	..
	2012	..	..	0	..	0	..	..	..	..
Cuba	2009	28	..	279	38	80	..	3	..	..
	2010	31	..	214	47	87	..	8	..	..
	2011	34	..	247	49	80	..	7	..	..
	2012	33	..	349	47	81	..	1	..	..
Dominican Republic	2009	13	..	..	..	..	..	..	..	..
	2010	14	..	..	..	..	..	..	..	..
	2011	14	..	..	..	..	..	..	..	..
	2012	13	..	..	..	..	..	..	..	..
El Salvador	2009	15	..	..	..	..	..	..	..	32
	2010	13	..	..	..	..	..	..	..	29
	2011	13	..	..	..	..	..	..	..	35
	2012	8	..	..	..	..	..	..	..	0

Production of other oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Guatemala	2009	..	..	..	7	55	..	..	..	..
	2010	..	..	..	5	42	..	..	..	..
	2011	..	..	..	6	42	..	..	..	..
	2012	..	..	..	0	39	..	..	..	..
Jamaica	2009	..	..	..	..	19	..	..	..	..
	2010	..	..	..	..	10	..	..	..	..
	2011	..	..	0	..	23	..	..	..	..
	2012	..	..	10	..	14	..	..	..	..
Mexico	2009	2,821	..	2,949	217	1,908	37	1,962	..	13
	2010	2,781	..	3,047	220	1,486	40	1,511	..	12
	2011	3,214	..	3,642	192	1,558	36	1,628	..	14
	2012	3,494	..	2,913	182	1,373	38	2,579	..	3
Netherlands Antilles	2009	297	..	317	204	354	..	66	..	38
	2010	97	..	152	124	449	..	38	..	27
	2011	188	..	298	243	877	..	73	..	54
	2012	194	..	310	253	909	..	75	..	56
Nicaragua	2009	12	..	..	..	10	..	..	18	..
	2010	12	..	..	..	9	..	..	19	..
	2011	10	..	..	..	12	..	..	21	..
	2012	8	..	..	..	6	..	..	12	..
Trinidad and Tobago	2009	176	..	53	..	30	..	..	..	695
	2010	260	..	26	..	41	..	..	..	306
	2011	234	..	40	..	40	..	..	..	967
	2012	221	..	0	..	31	..	..	..	940
United States	2009	33,450	419	8,884	7,855	21,612	356	53,911	1,407	8,602
	2010	33,792	429	9,433	8,593	22,971	385	54,727	1,609	8,876
	2011	33,982	424	9,364	8,858	21,998	386	56,784	1,620	8,259
	2012	14,542	392	8,818	8,147	21,064	376	56,703	1,919	7,729
America, South	2009	8,407	..	10,307	1,001	3,771	16	13,389	512	8,340
	2010	8,377	..	10,346	1,154	4,384	27	14,494	658	8,365
	2011	8,403	..	9,291	1,138	4,148	28	13,316	571	8,307
	2012	9,124	..	9,491	1,161	4,197	29	14,102	542	8,611
Argentina	2009	658	..	1,947	247	641	1	1,413	188	3,113
	2010	699	..	2,580	394	632	12	1,398	293	2,842
	2011	762	..	2,510	369	675	12	1,393	263	2,694
	2012	1,218	..	2,643	372	532	11	1,474	301	2,970
Bolivia (Plur. State of)	2009	102	..	1	20	3	0	..	2	94
	2010	79	..	1	21	2	0	..	5	112
	2011	85	..	0	21	2	0	..	15	120
	2012	100	..	0	22	2	1	..	13	180
Brazil	2009	4,989	..	6,079	526	2,090	..	3,515	319	2,443
	2010	4,854	..	5,295	534	2,767	..	3,484	357	2,762
	2011	4,908	..	4,594	534	2,465	..	4,281	266	2,960
	2012	4,873	..	4,660	538	2,572	..	5,075	205	2,867
Chile	2009	571	..	116	..	..	..	180	..	522
	2010	223	..	72	..	..	..	353	..	626
	2011	252	..	59	..	..	..	331	..	652
	2012	226	..	60	..	..	..	418	..	707
Colombia	2009	401	..	308	..	..	..	..	..	795
	2010	598	..	306	..	..	..	..	..	698
	2011	843	..	314	..	..	..	..	..	*601
	2012	835	..	*314	..	..	..	..	..	*504

Table 23

Production of other oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Ecuador	2009	..	..	..	..	387	..	..	..	416
	2010	..	..	..	..	351	..	..	..	325
	2011	..	..	..	..	370	..	..	18	256
	2012	..	..	..	3	395	..	..	21	348
Peru	2009	114	..	..	..	..	..	..	..	288
	2010	178	..	..	..	..	..	..	..	341
	2011	177	..	..	..	..	..	..	..	337
	2012	169	..	..	..	..	..	..	..	309
Uruguay	2009	79	..	..	..	49	..	28	3	..
	2010	75	..	..	..	40	..	24	3	..
	2011	57	..	..	..	19	..	20	9	..
	2012	74	..	..	..	44	..	26	2	..
Venezuela(Bolivar. Rep.)	2009	1,493	..	1,856	208	601	15	8,253	..	669
	2010	1,671	..	2,092	205	592	15	9,235	..	659
	2011	1,319	..	*1,814	214	617	16	7,291	..	687
	2012	1,629	..	*1,814	226	652	17	7,109	..	726
Asia	2009	48,560	22	121,776	18,496	41,126	3,661	18,368	1,549	23,049
	2010	52,752	28	122,238	13,145	47,499	1,914	24,191	1,948	78,649
	2011	53,872	34	131,586	14,371	41,756	1,623	27,953	2,896	76,185
	2012	54,547	39	131,445	14,832	44,115	1,773	31,584	3,043	118,107
Azerbaijan	2009	276	..	257	46	236	..	127	..	167
	2010	262	..	239	87	242	..	396	..	283
	2011	245	..	219	91	266	..	269	..	206
	2012	263	..	149	63	288	..	231	..	269
Bahrain	2009	257	..	1,532	..	501	..	..	..	89
	2010	266	..	1,681	..	457	..	..	..	195
	2011	258	..	1,574	74	353	..	..	..	179
	2012	266	..	1,708	612	319	..	..	..	189
Bangladesh	2009	25	..	94	10	34	..	..	5	25
	2010	38	..	145	9	52	..	..	6	25
	2011	41	..	133	13	55	..	..	8	27
	2012	36	..	113	13	65	..	..	7	32
Brunei Darussalam	2009	55	..	0	..	..	..	..	..	37
	2010	50	..	0	..	..	..	..	..	0
	2011	38	..	0	..	..	..	..	..	0
	2012	38	..	0	..	..	..	..	..	0
China	2009	12,011	..	24,519	6,891	11,679	3,389	11,458	..	..
	2010	13,738	..	19,316	2,189	19,639	1,601	16,245	743	51,581
	2011	14,699	..	27,659	2,479	14,114	1,333	16,880	1,730	49,565
	2012	15,674	..	27,459	2,224	16,187	1,468	17,675	1,614	85,099
Georgia	2009	..	..	..	..	8	..	..	..	..
	2010	..	..	..	..	0	..	..	..	..
	2011	..	..	..	..	0	..	..	..	..
	2012	..	..	..	..	0	..	..	..	..
India	2009	14,577	..	17,107	950	4,934	64	3,709	..	12,478
	2010	15,872	..	17,535	884	4,536	61	4,478	..	14,542
	2011	15,422	..	17,135	1,028	4,638	47	7,837	..	13,740
	2012	16,560	..	17,354	896	4,658	52	10,943	..	17,003
Indonesia	2009	662	..	1,921	388	316	10	540	537	*964
	2010	623	..	1,731	283	115	14	543	22	*964
	2011	661	..	3,423	432	323	*15	*576	*20	*964
	2012	636	..	2,795	421	337	*18	*584	*22	*916

Table 23

Production of other oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Iran (Islamic Rep. of)	2009	1,970	22	2,917	1,492	4,576	..	..	..	270
	2010	1,999	28	2,856	1,497	3,816	..	..	..	62
	2011	1,340	34	3,290	1,595	3,630	..	..	..	208
	2012	1,549	39	3,067	1,538	4,116	..	..	..	477
Iraq	2009	457	..	550	44	379	33	..	..	..
	2010	613	..	774	43	412	26	..	..	..
	2011	340	..	498	129	596	43	..	..	..
	2012	321	..	470	122	562	41	..	..	..
Israel	2009	..	..	368	..	266	..	..	..	306
	2010	..	..	439	..	257	..	..	..	871
	2011	..	..	695	..	262	..	..	..	421
	2012	..	..	484	..	226	..	..	..	822
Japan	2009	7,420	..	15,767	2,169	4,608	85	876	77	2,224
	2010	7,566	..	14,674	2,357	4,377	82	1,211	70	2,348
	2011	7,264	..	13,822	2,210	3,939	70	1,203	113	2,228
	2012	7,239	..	13,916	2,084	3,960	73	919	116	2,214
Jordan	2009	39	..	..	*16	193	..	..	..	4
	2010	23	..	..	*16	150	..	..	..	4
	2011	33	..	..	*16	107	..	..	..	4
	2012	32	..	..	*16	*97	..	..	..	4
Kazakhstan	2009	99	..	..	0	129	..	205	0	*280
	2010	118	..	..	0	174	..	190	0	*335
	2011	134	..	..	0	257	..	212	0	*335
	2012	150	..	..	0	287	..	198	0	*335
Korea, Republic of	2009	2,379	..	19,034	2,974	3,519	14	234	492	1,049
	2010	2,396	..	20,167	2,239	3,660	17	265	596	1,205
	2011	2,686	..	22,953	2,431	3,022	15	277	496	2,729
	2012	2,689	..	24,315	2,637	3,109	13	290	489	2,831
Kuwait	2009	401	..	7,934	..	132	..	..	..	962
	2010	412	..	8,693	..	120	..	..	..	905
	2011	393	..	8,123	..	139	..	..	..	886
	2012	423	..	6,043	..	209	..	..	..	1,575
Malaysia	2009	179	..	3,992	101	706	28	*96	..	..
	2010	192	..	3,936	172	113	38	*15	..	..
	2011	1,633	..	3,898	181	119	39	16	..	..
	2012	194	..	3,617	172	113	37	15	..	..
Myanmar	2009	31	..	..	..	..	1	17	..	11
	2010	34	..	..	..	..	1	15	..	11
	2011	30	..	54	..	..	1	19	..	8
	2012	27	..	49	..	..	1	22	..	5
Oman	2009	310	..	585	71	..	..	..	..	459
	2010	278	..	420	58	..	..	..	..	366
	2011	339	..	542	71	..	..	..	..	485
	2012	334	..	585	70	..	..	..	..	503
Other Asia	2009	1,134	..	8,177	175	665	..	848	73	509
	2010	1,194	..	7,758	234	723	..	748	83	481
	2011	1,120	..	7,096	220	650	..	598	75	863
	2012	1,110	..	8,076	221	649	..	641	75	705
Pakistan	2009	99	..	673	195	286	8	..	..	51
	2010	104	..	814	199	214	31	..	..	54
	2011	104	..	724	200	214	11	..	..	26
	2012	*159	..	*736	*204	*155	*11	..	..	*26

Table 23

Production of other oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Philippines	2009	..	..	276	..	..	..	..	..	322
	2010	..	..	171	..	..	..	..	..	498
	2011	..	..	158	..	..	..	..	..	493
	2012	..	..	135	..	..	..	..	..	407
Qatar	2009	58	..	1,519	..	..	..	..	..	694
	2010	66	..	3,855	..	..	..	..	..	993
	2011	62	..	4,006	..	..	..	..	..	221
	2012	65	..	3,923	..	..	..	..	..	1,264
Saudi Arabia	2009	1,513	..	7,689	..	2,152	..	..	..	564
	2010	2,529	..	8,434	..	2,082	..	..	..	793
	2011	2,520	..	7,308	..	2,666	..	..	..	358
	2012	2,351	..	7,551	..	2,146	..	..	..	663
Singapore	2009	2,580	..	1,594	2,581	1,946	17	71	197	401
	2010	2,791	..	2,026	2,447	1,883	25	60	223	647
	2011	3,017	..	1,634	2,649	1,891	30	42	236	598
	2012	2,984	..	2,437	3,137	2,141	32	45	236	869
Sri Lanka	2009	16	..	105	..	42	..	..	1	..
	2010	14	..	84	..	35	..	..	3	..
	2011	16	..	80	..	46	..	..	4	..
	2012	14	..	71	..	27	..	..	4	..
Syrian Arab Republic	2009	359	..	495	0	478	..	*158	..	25
	2010	156	..	967	43	537	..	0	..	27
	2011	153	..	948	42	526	..	0	..	26
	2012	109	..	673	30	373	..	0	..	18
Tajikistan	2009	..	..	18	..	3	..	..	..	..
	2010	..	..	19	..	4	..	..	..	..
	2011	..	..	19	..	4	..	..	..	..
	2012	..	..	21	..	2	..	..	..	..
Thailand	2009	..	..	..	..	1,154	..	..	..	..
	2010	..	..	..	..	1,238	..	..	..	..
	2011	..	..	..	..	1,136	..	..	..	..
	2012	..	..	..	..	1,207	..	..	..	..
Turkey	2009	1,189	..	168	246	2,010	11	..	159	144
	2010	921	..	604	263	2,496	17	..	195	182
	2011	847	..	302	392	2,714	18	..	207	204
	2012	872	..	308	266	2,810	26	..	474	492
Turkmenistan	2009	140	..	..	..	..	..	..	..	290
	2010	180	..	..	..	..	..	..	..	340
	2011	150	..	..	..	..	..	..	..	350
	2012	140	..	..	..	..	..	..	..	320
United Arab Emirates	2009	181	..	4,426	..	..	..	..	..	464
	2010	196	..	4,808	..	..	..	..	..	524
	2011	213	..	5,068	..	..	..	..	..	658
	2012	211	..	5,063	..	..	..	..	..	670
Uzbekistan	2009	143	..	..	147	81	1	29	8	259
	2010	121	..	..	125	69	1	25	7	220
	2011	114	..	..	118	65	1	24	7	207
	2012	102	..	..	105	58	1	21	6	185
Viet Nam	2009	..	..	..	..	..	..	..	..	..
	2010	..	..	..	..	..	..	..	..	193
	2011	..	..	..	..	..	..	..	..	195
	2012	..	..	..	..	..	..	..	..	215

Production of other oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Yemen	2009	..	..	59	..	93	..	..	..	..
	2010	..	..	92	..	98	..	..	..	..
	2011	..	..	225	..	24	..	..	..	..
	2012	..	..	327	..	13	..	..	..	..
Europe	2009	35,966	17	49,360	10,530	26,981	885	10,909	907	25,091
	2010	36,071	17	55,612	11,451	26,663	1,124	11,014	1,139	28,121
	2011	36,396	17	57,202	11,228	26,703	1,196	11,714	1,128	24,177
	2012	36,066	16	56,859	10,570	24,227	1,012	12,713	1,062	24,395
Albania	2009	13	..	23	..	73	..	72	..	91
	2010	4	..	4	..	64	..	16	..	44
	2011	10	..	19	..	26	..	62	..	86
	2012	5	..	4	..	25	..	15	..	42
Austria	2009	369	..	870	97	420	..	67	64	10
	2010	392	..	892	96	292	..	62	70	59
	2011	381	..	844	72	376	..	62	65	23
	2012	311	..	1,009	2	366	..	70	0	32
Belarus	2009	403	..	..	..	518	..	..	..	1,489
	2010	296	..	..	..	513	..	..	..	529
	2011	481	..	..	..	479	..	..	..	1,509
	2012	693	..	..	..	563	..	..	..	889
Belgium	2009	808	..	1,178	78	1,342	..	333	69	6,584
	2010	832	..	1,401	9	1,294	..	335	86	5,928
	2011	762	..	1,840	0	1,187	..	242	0	5,679
	2012	820	..	1,890	8	1,100	..	330	0	5,991
Bosnia and Herzegovina	2009	..	..	7	84	104	..	..	..	47
	2010	..	..	43	134	141	..	..	..	58
	2011	..	..	24	174	153	..	..	..	89
	2012	..	..	19	136	145	..	..	..	37
Bulgaria	2009	218	..	429	..	175	..	71	1	61
	2010	204	..	322	..	173	..	76	3	43
	2011	187	..	276	..	169	..	81	2	33
	2012	198	..	303	..	188	..	78	3	14
Croatia	2009	200	..	138	18	107	0	102	..	115
	2010	162	..	66	13	66	0	101	..	213
	2011	267	..	90	9	50	0	65	..	46
	2012	294	..	59	12	26	0	85	..	55
Czech Republic	2009	146	..	736	152	473	6	..	0	1,026
	2010	155	..	860	172	523	9	..	0	1,117
	2011	145	..	773	159	459	13	..	1	1,002
	2012	158	..	794	90	477	11	..	0	1,015
Denmark	2009	297	..	12	..	..	..	..	..	..
	2010	263	..	41	..	..	..	..	..	..
	2011	288	..	0	..	..	..	..	..	..
	2012	301	..	0	..	..	..	..	..	..
Finland	2009	486	..	264	250	238	..	132	157	126
	2010	450	..	200	255	254	..	126	175	122
	2011	450	..	281	295	261	..	137	193	134
	2012	430	..	250	284	190	..	126	152	135
France	2009	2,731	..	4,586	1,286	2,773	153	860	62	1,764
	2010	2,650	..	5,042	1,383	2,461	177	747	107	1,222
	2011	2,736	..	5,259	1,526	2,516	206	717	106	1,210
	2012	2,251	..	4,362	983	1,891	130	635	99	865

Table 23

Production of other oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Germany	2009	3,836	..	7,967	2,237	3,775	111	1,902	33	1,672
	2010	3,833	..	8,018	2,511	3,402	123	2,013	30	1,809
	2011	3,884	..	7,750	2,431	3,869	127	1,763	26	1,626
	2012	3,795	..	8,104	2,469	3,595	139	1,743	22	1,646
Greece	2009	557	..	608	210	782	..	171	..	249
	2010	593	..	1,010	219	494	..	201	..	308
	2011	506	..	597	232	321	..	188	..	333
	2012	590	..	1,266	221	253	..	264	2	1,354
Hungary	2009	198	..	953	166	544	53	285	16	326
	2010	193	..	1,045	115	552	53	309	25	708
	2011	199	..	1,080	118	591	34	355	21	680
	2012	179	..	1,004	130	410	33	340	85	643
Ireland	2009	75	..	23	..	..	..	..	..	..
	2010	88	..	25	..	..	..	..	..	..
	2011	43	..	17	..	..	..	..	..	..
	2012	48	..	12	..	..	..	..	..	..
Italy	2009	2,755	..	2,725	954	3,688	71	1,244	20	3,562
	2010	3,100	..	3,582	1,222	4,114	90	1,568	10	5,148
	2011	3,077	..	3,803	1,283	3,305	86	1,733	5	3,094
	2012	2,729	..	3,122	1,269	2,604	81	1,445	5	3,000
Lithuania	2009	301	..	45	30	117	..	119	..	70
	2010	310	..	0	36	127	..	118	..	74
	2011	295	..	0	40	132	..	119	..	77
	2012	294	..	0	43	110	..	105	..	73
Netherlands	2009	1,970	..	9,570	993	291	188	..	39	1,089
	2010	1,844	..	7,539	916	183	272	..	107	1,007
	2011	1,956	..	8,215	636	247	345	..	111	1,225
	2012	2,063	..	7,720	583	315	276	..	103	1,190
Norway	2009	412	..	1,626	..	..	..	152	..	..
	2010	383	..	1,539	..	..	..	162	..	..
	2011	365	..	1,500	..	..	..	483	..	..
	2012	363	..	1,914	..	..	..	155	..	..
Poland	2009	848	..	1,150	296	1,568	64	..	124	437
	2010	902	..	1,363	370	1,567	68	..	161	466
	2011	955	..	1,332	408	1,788	76	..	176	759
	2012	1,032	..	1,542	455	1,550	78	..	168	876
Portugal	2009	19	..	992	126	322	12	..	21	872
	2010	30	..	1,081	123	260	11	..	29	695
	2011	15	..	961	135	202	15	..	14	383
	2012	19	..	1,218	135	163	14	..	17	320
Republic of Moldova	2009	..	..	..	0	..	..	..	..	0
	2010	..	..	..	5	..	..	..	..	0
	2011	..	..	..	5	..	..	..	..	0
	2012	..	..	..	2	..	..	..	..	1
Romania	2009	908	..	537	1	162	2	747	48	121
	2010	826	..	397	0	78	0	695	60	625
	2011	783	..	269	0	54	0	749	86	271
	2012	700	..	263	0	45	0	695	106	118
Russian Federation	2009	12,103	..	11,976	2,428	4,083	197	1,252	..	..
	2010	12,022	..	18,089	2,723	4,778	252	1,039	45	..
	2011	12,224	..	19,366	2,630	5,422	253	1,052	51	..
	2012	12,661	..	19,978	2,582	6,054	216	1,268	49	..

Production of other oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Serbia	2009	58	..	144	4	127	..	35	..	150
	2010	64	..	134	6	155	..	33	..	237
	2011	48	..	150	7	179	..	28	..	122
	2012	37	..	127	8	172	..	25	..	170
Slovakia	2009	400	17	471	..	29	..	56	14	314
	2010	370	17	527	..	14	..	47	2	294
	2011	422	17	531	..	11	..	57	0	328
	2012	321	16	371	..	5	..	55	0	243
Spain	2009	1,716	..	535	131	2,740	28	1,111	178	2,563
	2010	1,782	..	519	237	2,617	44	1,150	163	4,094
	2011	1,926	..	464	194	2,434	41	1,543	206	2,651
	2012	2,059	..	318	165	1,878	34	3,086	179	3,134
Sweden	2009	642	..	266	349	843	..	64	..	993
	2010	571	..	277	375	792	..	47	..	1,598
	2011	530	..	248	342	672	..	45	..	1,276
	2012	623	..	240	435	702	..	65	..	1,250
Switzerland	2009	236	..	0	..	..	..	64	..	25
	2010	227	..	0	..	..	..	63	..	24
	2011	217	..	20	..	..	..	53	..	36
	2012	168	..	20	..	..	..	56	..	17
T.F.Yug.Rep. Macedonia	2009	2	..	..	..	..	..	..	..	..
	2010	0	..	..	..	..	..	..	..	..
	2011	0	..	..	..	..	..	..	..	..
	2012	0	..	..	..	..	..	..	..	..
Ukraine	2009	501	..	..	110	349	..	..	..	131
	2010	545	..	..	119	473	14	..	..	153
	2011	438	..	..	102	324	..	..	..	93
	2012	269	..	..	101	178	..	..	..	20
United Kingdom	2009	2,758	..	1,529	530	1,338	0	2,070	61	1,204
	2010	2,980	..	1,596	412	1,276	11	2,106	66	1,546
	2011	2,806	..	1,493	430	1,476	0	2,180	65	1,412
	2012	2,655	..	950	457	1,222	0	2,072	72	1,265
Oceania	2009	920	..	429	97	740	6	473	76	321
	2010	978	..	432	63	688	3	492	69	144
	2011	1,091	..	388	54	611	1	588	71	448
	2012	1,086	..	270	0	591	0	521	70	79
Australia	2009	648	..	254	97	621	6	473	76	240
	2010	709	..	160	63	540	3	492	69	66
	2011	797	..	161	54	495	1	588	71	381
	2012	798	..	11	0	474	0	521	70	11
New Zealand	2009	272	..	..	..	119	..	..	..	81
	2010	269	..	..	..	148	..	..	..	78
	2011	294	..	..	..	116	..	..	..	67
	2012	288	..	..	..	117	..	..	..	68
Papua New Guinea	2009	..	..	175	..	..	..	..	..	..
	2010	..	..	272	..	..	..	..	..	..
	2011	..	..	227	..	..	..	..	..	..
	2012	..	..	259	..	..	..	..	..	..

Table 24

Production of oil products from refineries – by type

Thousand metric tons

Table Notes

Total production

Total production comprises all refinery output of all oil products.

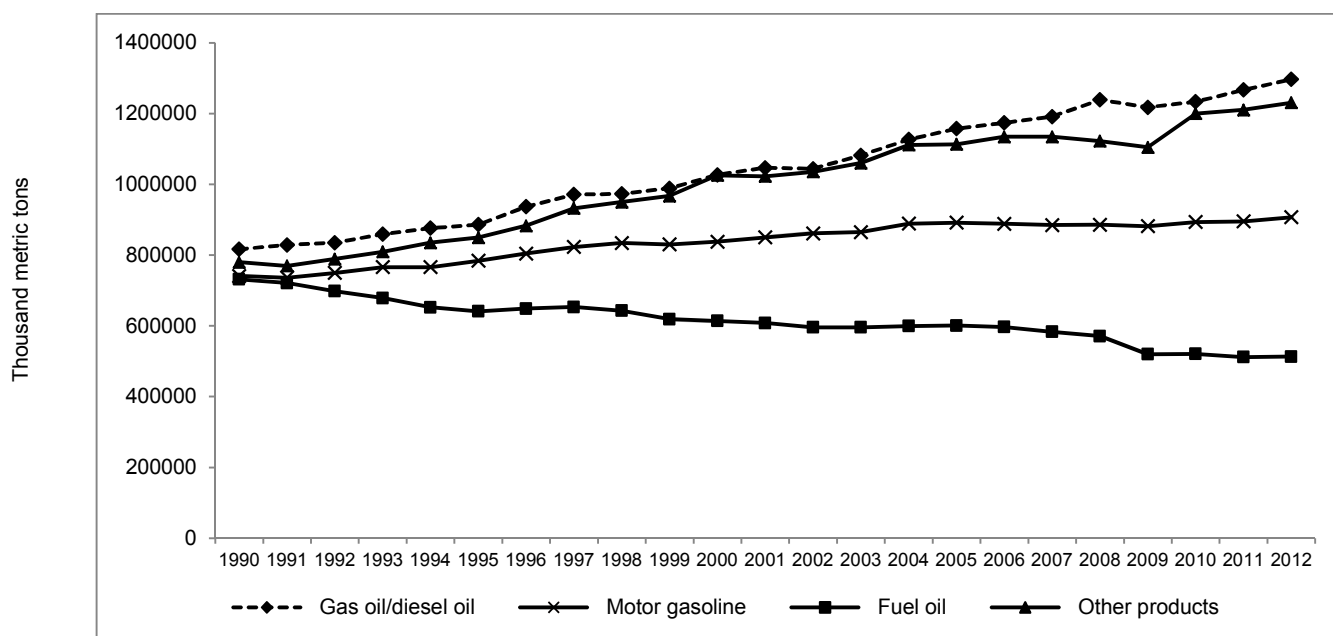
The jet fuels column comprises aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

The other oil products column includes bitumen, ethane, feedstocks, lubricants, petroleum coke, paraffin waxes, white spirit, and other oil products.

Aruba produces only feedstocks to be further refined abroad.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification.

Figure 64: Production of selected oil products from refineries, 1990-2012



Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	L.P.G.	Other kerosene	Other products
World	2009	3,723,944	1,217,907	881,652	519,793	206,732	226,149	138,330	112,148	82,868	338,364
	2010	3,847,928	1,233,641	893,370	520,671	219,448	230,997	143,049	113,579	84,475	408,699
	2011	3,884,574	1,266,913	895,138	511,943	226,674	237,526	144,430	114,242	83,956	403,751
	2012	3,947,600	1,296,695	907,072	512,949	225,534	239,417	125,651	114,691	86,979	438,612
Africa	2009	109,297	34,075	16,819	28,946	10,062	8,268	2,225	2,167	1,635	5,100
	2010	119,348	36,715	17,407	29,724	13,934	8,581	2,643	2,257	2,152	5,936
	2011	108,962	33,635	18,039	26,690	11,250	7,473	2,287	2,060	1,893	5,637
	2012	108,695	34,045	17,879	27,159	11,530	7,389	2,330	2,083	1,730	4,551
Algeria	2009	22,576	7,533	2,417	5,581	4,656	969	309	522	1	588
	2010	26,402	7,806	2,667	5,749	7,440	1,409	315	569	0	447
	2011	25,320	7,573	2,568	5,848	6,939	1,209	304	517	0	362
	2012	23,007	6,867	2,273	5,115	6,432	1,204	273	470	0	373
Angola	2009	1,851	509	42	671	133	356	86	25	0	29
	2010	1,843	530	65	620	169	303	87	32	0	37
	2011	1,906	518	63	727	166	268	59	30	73	2
	2012	1,928	541	75	817	136	215	58	24	60	2
Cameroon	2009	1,732	610	350	259	..	292	73	15	..	133
	2010	2,057	740	383	329	..	332	76	20	..	177
	2011	1,994	717	371	319	..	322	74	19	..	172
	2012	1,958	704	364	313	..	316	73	19	..	169
Congo	2009	693	177	68	349	..	56	..	9	21	13
	2010	655	223	98	227	..	47	..	12	34	14
	2011	575	195	94	197	7	39	..	7	22	14
	2012	833	283	136	285	10	57	..	10	32	20
Côte d'Ivoire	2009	3,220	1,153	526	438	..	773	28	30	53	219
	2010	3,054	983	491	521	..	672	23	19	68	277
	2011	2,236	712	390	328	..	579	19	12	45	151
	2012	3,213	1,057	559	543	..	792	27	1	59	175
Egypt	2009	28,985	8,267	4,384	9,166	2,237	2,016	149	520	151	2,095
	2010	29,379	8,385	4,089	8,851	3,265	1,908	144	522	431	1,784
	2011	28,076	7,497	4,476	8,902	2,843	1,519	121	505	285	1,928
	2012	27,110	7,116	4,201	9,180	2,706	1,505	133	515	296	1,458
Gabon	2009	874	278	90	392	..	61	..	14	27	12
	2010	935	298	96	420	..	65	..	15	29	12
	2011	932	297	96	418	..	65	..	15	29	12
	2012	900	287	93	403	..	63	..	14	28	12
Ghana	2009	340	103	135	25	..	1	13	14	49	..
	2010	975	293	338	97	..	117	29	32	71	..
	2011	1,000	310	344	91	..	116	42	45	53	..
	2012	474	122	158	79	..	48	20	27	21	..
Kenya	2009	1,511	372	157	498	..	217	71	45	142	9
	2010	1,473	347	181	450	..	200	78	59	149	9
	2011	1,689	429	178	520	..	275	68	28	118	73
	2012	968	239	117	300	..	157	38	17	67	33
Libya	2009	14,777	4,178	751	4,902	2,474	1,503	302	203	380	84
	2010	16,147	4,278	585	6,315	2,457	1,428	330	190	391	173
	2011	5,423	1,522	569	1,668	649	656	111	81	131	36
	2012	8,042	2,251	615	2,582	1,348	742	164	93	194	53
Morocco	2009	4,429	1,385	313	1,492	335	257	171	102	..	374
	2010	5,754	2,256	328	1,586	538	410	*234	22	..	380
	2011	6,979	2,403	415	2,441	448	553	*262	38	..	419
	2012	7,049	2,481	407	2,118	493	877	*280	115	..	278

Table 24

Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	L.P.G.	Other kerosene	Other products
Niger	2009	..	..	..	..	..	..	..	..	..	..
	2010	0	0	0	..	..	..	..	..	..	..
	2011	57	36	18	..	..	..	..	3	..	..
	2012	560	328	195	..	..	..	..	37	..	..
Nigeria	2009	2,400	571	364	770	..	33	51	30	286	295
	2010	4,885	1,027	748	1,276	..	67	112	84	584	987
	2011	5,868	1,085	1,277	1,691	..	77	111	129	674	824
	2012	4,674	1,030	1,135	1,287	..	62	125	104	544	387
Senegal	2009	706	326	83	191	22	68	10	3	3	0
	2010	597	289	87	131	13	37	9	3	3	25
	2011	714	329	99	175	31	63	12	2	3	0
	2012	768	412	75	205	17	8	13	1	1	36
South Africa	2009	18,111	5,692	5,773	2,703	..	1,489	906	245	403	900
	2010	19,476	6,985	5,856	2,292	..	1,382	1,162	274	342	1,183
	2011	20,504	7,758	5,804	2,403	..	1,551	1,058	315	384	1,231
	2012	20,876	7,707	6,248	2,856	..	1,191	1,073	295	353	1,153
Sudan	2009	4,887	2,105	1,112	817	23	149	26	338	6	311
	2010	4,868	1,936	1,239	675	20	174	25	394	4	401
	2011	4,354	1,727	1,130	629	18	149	22	298	4	377
	2012	3,953	1,666	1,071	398	16	118	20	306	4	354
Tunisia	2009	1,649	576	125	607	182	..	14	49	85	11
	2010	257	83	19	94	32	..	2	8	16	3
	2011	702	254	0	236	149	..	*6	12	40	6
	2012	1,704	661	0	574	372	..	*13	31	37	15
Zambia	2009	556	240	129	85	..	28	16	3	28	27
	2010	591	256	137	91	..	30	17	2	30	28
	2011	633	274	146	97	..	32	18	4	32	30
	2012	678	294	157	104	..	34	19	4	34	32
America, North	2009	988,454	257,344	378,649	70,740	14,797	75,756	42,252	23,480	2,505	122,932
	2010	1,008,458	264,083	389,778	67,784	16,886	76,170	42,227	24,634	1,577	125,319
	2011	1,017,234	276,453	388,516	63,705	16,957	76,945	42,382	23,029	1,395	127,853
	2012	972,731	277,709	380,273	59,785	15,939	76,783	22,498	21,990	1,081	116,673
Aruba	2009	*10,058	..	..	..	..	..	..	..	..	*10,058
	2010	*10,067	..	..	..	..	..	..	..	..	*10,067
	2011	*10,050	..	..	..	..	..	..	..	..	*10,050
	2012	*2,440	..	..	..	..	..	..	..	..	*2,440
Canada	2009	95,030	30,428	30,608	6,367	2,307	3,945	5,440	1,738	1,286	12,911
	2010	97,036	30,880	30,668	6,719	4,014	3,928	5,227	1,845	605	13,150
	2011	92,472	30,177	28,587	6,629	3,366	3,291	4,693	1,726	488	13,515
	2012	92,868	31,547	29,584	7,296	3,539	3,650	3,986	1,548	454	11,264
Costa Rica	2009	354	130	86	93	8	15	..	4	2	15
	2010	503	145	109	202	0	39	..	4	2	2
	2011	150	52	31	61	0	0	..	1	2	2
	2012	0	0	0	0	0	0	..	0	0	0
Cuba	2009	5,185	1,271	492	2,629	279	295	28	46	24	121
	2010	5,003	1,224	568	2,436	214	329	31	59	0	142
	2011	4,871	1,221	503	2,322	247	354	34	50	4	136
	2012	5,122	1,319	415	2,520	349	284	33	42	31	129
Dominican Republic	2009	1,247	354	260	363	..	220	13	27	9	..
	2010	1,340	395	284	377	..	231	14	30	10	..
	2011	1,264	352	255	370	..	241	14	23	10	..
	2012	1,168	346	243	315	..	226	13	16	9	..

Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	L.P.G.	Other kerosene	Other products
El Salvador	2009	885	197	105	465	..	55	15	14	2	32
	2010	808	132	100	466	..	53	13	13	2	29
	2011	743	156	92	379	..	54	13	12	2	35
	2012	528	111	73	295	..	35	8	6	1	0
Guatemala	2009	88	24	..	..	..	1	..	..	1	62
	2010	70	23	..	..	..	0	..	..	0	47
	2011	81	32	..	..	..	0	..	..	1	48
	2012	71	31	..	..	..	0	..	..	1	39
Jamaica	2009	1,166	172	129	749	..	86	..	10	1	19
	2010	1,147	192	123	714	..	99	..	7	2	10
	2011	1,215	216	144	729	0	*91	..	11	*2	23
	2012	1,187	225	133	695	10	*95	..	9	*6	14
Martinique	2009	*844	*191	*141	*371	..	..	..	*20	*120	..
	2010	*861	*198	*139	*388	..	..	..	*19	*116	..
	2011	*909	*209	*147	*410	..	..	..	*21	*123	..
	2012	*924	*213	*149	*417	..	..	..	*21	*125	..
Mexico	2009	70,053	19,077	19,606	17,982	2,949	2,603	2,821	878	..	4,137
	2010	66,005	17,782	17,632	18,328	3,047	2,366	2,781	800	..	3,269
	2011	65,503	17,768	16,725	17,486	3,642	2,568	3,214	672	..	3,428
	2012	65,931	18,853	17,520	15,593	2,913	2,590	3,494	793	..	4,175
Netherlands Antilles	2009	9,835	2,056	1,685	4,038	317	720	297	60	..	662
	2010	4,453	924	772	1,518	152	327	97	25	..	638
	2011	8,718	1,810	1,511	2,974	298	641	188	49	..	1,247
	2012	9,077	1,886	1,574	3,101	310	668	194	51	..	1,293
Nicaragua	2009	798	222	101	395	..	22	12	12	6	28
	2010	768	217	96	372	..	22	12	15	6	28
	2011	780	233	97	355	..	30	10	17	5	33
	2012	518	156	68	234	..	20	8	9	5	18
Trinidad and Tobago	2009	7,469	1,718	1,348	2,547	53	764	176	109	29	725
	2010	6,187	1,442	1,237	2,210	26	556	260	80	29	347
	2011	6,855	1,381	1,007	2,461	40	655	234	40	30	1,007
	2012	5,415	921	567	2,297	0	397	221	12	29	971
United States	2009	785,443	201,505	324,087	34,740	8,884	67,029	33,450	20,562	1,024	94,162
	2010	814,209	210,529	338,051	34,054	9,433	68,219	33,792	21,736	805	97,590
	2011	823,622	222,846	339,417	29,529	9,364	69,019	33,982	20,408	728	98,329
	2012	787,482	222,101	329,947	27,022	8,818	68,819	14,542	19,483	420	96,330
America, South	2009	230,165	77,432	42,566	45,881	10,307	11,206	8,407	6,973	364	27,029
	2010	227,067	72,648	43,664	44,280	10,346	11,370	8,377	6,836	464	29,083
	2011	232,582	78,393	43,735	46,027	9,291	12,053	8,403	6,728	444	27,507
	2012	237,972	77,321	47,897	45,335	9,491	12,214	9,124	7,448	501	28,642
Argentina	2009	28,307	10,211	4,492	3,219	1,947	1,292	658	874	11	5,603
	2010	29,324	10,147	4,560	3,653	2,580	1,316	699	754	44	5,571
	2011	29,192	10,024	5,043	3,351	2,510	1,276	762	784	36	5,406
	2012	31,128	9,931	5,362	3,953	2,643	1,344	1,218	997	20	5,660
Bolivia (Plur. State of)	2009	1,957	544	621	338	1	133	102	83	16	119
	2010	2,025	542	636	391	1	137	79	83	16	140
	2011	2,115	574	629	416	0	151	85	86	16	158
	2012	2,188	616	686	332	0	136	100	85	15	218
Brazil	2009	93,676	36,886	14,638	14,386	6,079	3,532	4,989	4,254	19	8,893
	2010	94,100	36,004	15,921	14,115	5,295	3,843	4,854	4,144	20	9,904
	2011	96,795	37,383	17,397	13,289	4,594	4,413	4,908	4,280	25	10,506
	2012	102,469	39,881	19,080	13,747	4,660	4,449	4,873	4,503	19	11,257

Table 24

Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	L.P.G.	Other kerosene	Other products
Chile	2009	10,023	3,442	2,445	1,802	116	616	571	269	60	702
	2010	8,668	2,920	2,028	1,401	72	593	223	394	58	979
	2011	8,891	3,168	2,194	1,238	59	569	252	350	78	983
	2012	9,022	2,863	2,246	1,192	60	617	226	593	100	1,125
Colombia	2009	12,996	3,570	2,903	3,251	308	975	401	634	159	795
	2010	13,798	3,501	3,069	3,871	306	1,011	598	562	182	698
	2011	14,819	4,867	*2,250	3,923	314	1,234	843	*591	196	*601
	2012	15,493	4,806	2,854	4,093	*314	1,258	835	*613	216	*504
Ecuador	2009	7,825	1,774	1,346	3,371	..	343	..	186	2	803
	2010	6,834	1,483	1,119	3,040	..	340	..	172	4	676
	2011	7,779	1,734	1,392	3,513	..	348	..	143	5	644
	2012	7,474	1,637	1,370	3,195	..	348	..	152	5	767
Peru	2009	10,810	4,334	2,922	2,338	..	559	114	183	72	288
	2010	11,626	4,701	3,101	2,429	..	605	178	204	67	341
	2011	11,484	4,639	3,067	2,414	..	597	177	187	66	337
	2012	10,515	4,248	3,158	1,716	..	681	169	185	49	309
Suriname	2009	405	42	..	363	..	..	..	..	..	..
	2010	835	56	..	779	..	..	..	..	..	..
	2011	898	55	..	843	..	..	..	..	..	..
	2012	918	53	..	865	..	..	..	..	..	..
Uruguay	2009	1,941	671	443	513	..	61	79	86	8	80
	2010	1,914	716	440	462	..	74	75	71	8	68
	2011	1,325	450	349	307	..	50	57	57	8	47
	2012	1,949	759	473	414	..	72	74	76	9	72
Venezuela(Bolivar. Rep.)	2009	62,225	15,958	12,756	16,300	1,856	3,695	1,493	404	17	9,746
	2010	57,943	12,577	12,790	14,139	2,092	3,451	1,671	452	65	10,706
	2011	59,283	15,499	11,414	16,733	*1,814	3,415	1,319	250	14	8,825
	2012	56,817	12,527	12,668	15,828	*1,814	3,309	1,629	244	68	8,730
Asia	2009	1,413,875	491,669	246,995	201,877	121,776	79,911	48,560	47,277	69,539	106,270
	2010	1,510,597	505,922	254,142	206,123	122,238	83,683	52,752	47,414	70,949	167,373
	2011	1,546,891	524,635	259,887	206,481	131,586	87,101	53,872	48,988	69,522	164,818
	2012	1,658,007	554,079	278,896	213,729	131,445	90,907	54,547	49,729	71,184	213,491
Azerbaijan	2009	5,801	2,367	1,235	287	257	603	276	193	7	576
	2010	6,318	2,488	1,249	231	239	600	262	240	0	1,008
	2011	6,200	2,483	1,296	254	219	621	245	250	0	832
	2012	6,056	2,369	1,297	286	149	626	263	215	0	851
Bahrain	2009	12,844	4,439	804	2,314	1,532	2,757	257	98	53	590
	2010	13,258	4,275	806	2,312	1,681	3,090	266	134	42	652
	2011	12,857	3,806	732	2,706	1,574	3,026	258	124	25	606
	2012	13,505	4,092	661	2,429	1,708	3,083	266	121	25	1,120
Bangladesh	2009	895	245	52	192	94	6	25	6	201	74
	2010	1,309	370	56	341	145	3	38	12	252	92
	2011	1,388	376	56	367	133	2	41	13	297	103
	2012	1,238	373	63	275	113	4	36	13	244	117
Brunei Darussalam	2009	644	173	199	84	0	93	55	..	3	37
	2010	615	169	197	91	0	104	50	..	4	0
	2011	573	164	168	98	0	102	38	..	3	0
	2012	418	114	146	66	0	47	38	..	7	0
China	2009	332,694	142,886	72,703	13,534	24,519	504	12,011	18,317	14,803	33,417
	2010	402,647	149,244	73,051	15,074	19,316	554	13,738	20,455	19,217	91,998
	2011	416,262	156,897	78,595	11,138	27,659	583	14,699	21,263	19,324	86,103
	2012	494,856	170,638	89,135	22,532	27,459	626	15,674	22,687	21,840	124,266

Table 24

Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	L.P.G.	Other kerosene	Other products
Georgia	2009	13	..	..	5	..	..	..	..	..	8
	2010	0	..	..	0	..	..	..	..	..	0
	2011	0	..	..	0	..	..	..	..	..	0
	2012	0	..	..	0	..	..	..	..	..	0
India	2009	195,990	77,605	22,537	18,346	17,107	9,296	14,577	5,842	8,545	22,135
	2010	205,839	78,631	26,138	20,519	17,535	9,570	15,872	5,371	7,702	24,501
	2011	214,526	82,864	27,186	19,456	17,135	10,051	15,422	7,333	7,789	27,290
	2012	229,362	91,085	30,118	15,054	17,354	10,077	16,560	7,694	7,868	33,552
Indonesia	2009	37,615	13,769	9,243	2,803	1,921	1,913	662	755	3,794	2,755
	2010	33,182	13,338	8,350	2,271	1,731	1,792	623	658	2,478	1,941
	2011	45,130	15,842	9,326	8,833	3,423	2,153	661	705	1,857	*2,330
	2012	44,942	16,774	9,506	8,472	2,795	2,403	636	662	1,396	*2,298
Iran(Islamic Rep. of)	2009	87,636	28,178	12,075	26,379	2,917	1,233	1,970	3,033	5,491	6,360
	2010	86,908	28,892	12,084	26,481	2,856	1,307	1,999	3,327	4,558	5,403
	2011	88,522	30,076	12,786	26,689	3,290	1,140	1,340	3,356	4,378	5,467
	2012	91,413	29,814	14,695	27,701	3,067	1,165	1,549	2,646	4,606	6,170
Iraq	2009	22,131	4,220	2,496	11,526	550	159	457	211	2,056	456
	2010	25,684	5,213	2,472	13,458	774	295	613	278	2,100	481
	2011	27,667	6,365	3,226	13,621	498	308	340	283	2,258	768
	2012	28,649	6,243	3,269	14,964	470	291	321	219	2,147	725
Israel	2009	11,895	3,788	2,984	2,436	368	761	..	518	468	572
	2010	12,506	3,775	2,727	2,521	439	761	..	565	590	1,128
	2011	12,032	3,562	2,702	2,481	695	813	..	569	527	683
	2012	11,720	3,915	2,809	1,813	484	786	..	498	367	1,048
Japan	2009	178,963	50,048	42,188	21,872	15,767	10,625	7,420	4,525	16,479	10,039
	2010	178,127	49,971	43,005	21,169	14,674	10,984	7,566	4,320	15,993	10,445
	2011	169,027	46,080	40,102	22,410	13,822	10,037	7,264	3,934	15,615	9,763
	2012	168,694	45,381	39,096	24,499	13,916	10,404	7,239	4,014	14,779	9,366
Jordan	2009	3,566	1,160	750	897	..	316	39	109	81	213
	2010	3,375	908	697	1,054	..	351	23	87	85	170
	2011	3,197	1,034	675	847	..	338	33	86	58	127
	2012	3,514	1,114	710	975	..	366	32	105	96	*117
Kazakhstan	2009	12,059	4,405	2,613	3,261	..	203	99	693	171	614
	2010	13,505	4,613	2,926	3,806	..	267	118	852	224	699
	2011	13,962	4,774	2,775	4,277	..	210	134	811	177	804
	2012	13,862	4,890	2,877	3,936	..	200	150	822	167	820
Korea, Dem.Ppl's.Rep.	2009	501	186	174	106	..	..	..	..	35	..
	2010	510	189	177	108	..	..	..	..	36	..
	2011	508	188	176	108	..	..	..	..	36	..
	2012	508	188	176	108	..	..	..	..	36	..
Korea, Republic of	2009	116,272	35,519	11,975	18,470	19,034	12,945	2,379	3,026	4,642	8,282
	2010	119,614	36,441	12,083	19,002	20,167	13,639	2,396	2,973	4,931	7,982
	2011	127,495	39,604	13,673	18,496	22,953	14,902	2,686	1,579	4,632	8,970
	2012	131,006	41,874	15,306	15,282	24,315	16,484	2,689	1,487	4,200	9,369
Kuwait	2009	41,449	11,074	2,361	10,159	7,934	2,491	401	130	5,805	1,094
	2010	42,733	10,807	2,244	10,880	8,693	2,567	412	124	5,981	1,025
	2011	40,974	10,872	2,206	9,766	8,123	2,538	393	139	5,912	1,025
	2012	42,128	11,563	2,202	10,825	6,043	2,748	423	139	6,401	1,784
Kyrgyzstan	2009	97	48	10	39	..	..	..	..	..	..
	2010	97	38	15	44	..	..	..	..	..	..
	2011	90	28	16	46	..	..	..	..	..	..
	2012	81	31	11	39	..	..	..	..	..	..

Table 24

Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	L.P.G.	Other kerosene	Other products
Malaysia	2009	25,161	9,245	4,197	1,182	3,992	2,990	179	*1,898	547	931
	2010	21,424	8,599	4,171	*330	3,936	2,802	192	*589	468	337
	2011	23,040	8,788	3,425	576	3,898	3,348	1,633	611	406	355
	2012	25,114	9,878	4,395	1,621	3,617	3,794	194	645	633	337
Myanmar	2009	714	125	426	54	..	40	31	8	1	29
	2010	890	240	489	43	..	47	34	9	2	27
	2011	898	196	494	45	54	45	30	3	2	28
	2012	737	166	383	41	49	35	27	8	1	28
Oman	2009	10,249	1,795	2,157	3,760	585	749	310	355	8	530
	2010	8,087	1,490	1,903	2,698	420	590	278	280	4	424
	2011	10,255	2,147	2,727	2,933	542	632	339	375	4	556
	2012	10,236	2,074	2,752	2,867	585	712	334	335	4	573
Other Asia	2009	47,924	13,616	8,313	8,328	8,177	4,502	1,134	1,584	..	2,270
	2010	44,667	11,670	7,778	8,714	7,758	3,829	1,194	1,455	..	2,269
	2011	41,945	12,478	6,118	8,300	7,096	3,379	1,120	1,048	..	2,406
	2012	46,042	13,926	6,749	8,842	8,076	3,870	1,110	1,178	..	2,291
Pakistan	2009	9,622	3,213	1,338	2,497	673	938	99	187	138	539
	2010	9,502	3,288	1,237	2,435	814	824	104	178	122	499
	2011	8,936	3,252	1,227	2,174	724	703	104	169	132	451
	2012	*10,340	*3,902	*1,514	*2,653	*736	*663	*159	*156	*161	*396
Philippines	2009	6,815	2,426	1,077	1,628	276	675	..	282	129	322
	2010	8,423	3,175	1,344	1,949	171	786	..	361	140	498
	2011	8,909	3,486	1,508	1,994	158	783	..	386	100	493
	2012	7,954	3,130	1,412	1,734	135	693	..	351	92	407
Qatar	2009	7,339	1,723	1,633	238	1,519	1,352	58	122	..	694
	2010	13,575	2,878	1,910	305	3,855	3,199	66	369	..	993
	2011	12,912	2,616	1,859	224	4,006	3,581	62	343	..	221
	2012	13,478	2,205	1,956	321	3,923	3,387	65	357	..	1,264
Saudi Arabia	2009	94,128	30,521	15,196	27,269	7,689	3,030	1,513	1,094	5,100	2,716
	2010	93,806	30,993	16,070	24,411	8,434	2,773	2,529	1,054	4,667	2,875
	2011	91,974	30,750	16,715	22,849	7,308	2,898	2,520	1,032	4,878	3,024
	2012	95,618	31,383	17,103	25,282	7,551	3,045	2,351	970	5,124	2,809
Singapore	2009	43,611	10,869	*9,386	4,805	1,594	8,248	2,580	315	601	5,213
	2010	49,945	12,903	*10,862	6,871	2,026	8,313	2,791	215	679	5,285
	2011	51,732	13,606	*10,127	7,468	1,634	9,441	3,017	275	718	5,446
	2012	52,611	14,245	*10,224	5,431	2,437	9,744	2,984	368	718	6,460
Sri Lanka	2009	1,911	485	179	781	105	195	16	24	83	43
	2010	1,664	442	158	686	84	126	14	23	93	38
	2011	1,740	501	206	615	80	155	16	24	93	50
	2012	1,495	394	152	648	71	93	14	17	75	31
Syrian Arab Republic	2009	11,283	3,980	1,359	4,116	495	196	359	114	3	661
	2010	11,721	3,698	974	4,838	967	354	156	123	4	607
	2011	11,487	3,624	955	4,741	948	347	153	121	4	594
	2012	8,153	2,572	678	3,365	673	246	109	86	3	421
Tajikistan	2009	33	3	..	9	18	..	..	..	..	3
	2010	38	3	..	12	19	..	..	..	..	4
	2011	35	3	..	10	19	..	..	..	..	4
	2012	37	3	..	11	21	..	..	..	..	2
Thailand	2009	40,133	18,738	6,163	7,188	..	4,586	..	2,224	80	1,154
	2010	39,532	19,417	6,087	6,266	..	4,756	..	1,396	372	1,238
	2011	39,148	19,208	5,797	6,074	..	4,816	..	1,994	123	1,136
	2012	41,169	20,836	6,354	6,393	..	4,471	..	*1,847	61	1,207

Table 24

Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	L.P.G.	Other kerosene	Other products
Turkey	2009	18,637	5,102	3,963	3,012	168	2,004	1,189	604	25	2,570
	2010	19,907	5,317	3,828	2,780	604	2,613	921	652	39	3,153
	2011	22,170	7,044	4,272	2,492	302	2,879	847	739	60	3,535
	2012	23,139	7,856	4,371	1,567	308	3,277	872	775	45	4,068
Turkmenistan	2009	7,530	2,440	1,840	2,040	..	480	140	300	..	290
	2010	8,470	2,790	2,090	2,200	..	530	180	340	..	340
	2011	8,180	2,520	2,130	2,230	..	480	150	320	..	350
	2012	7,795	2,470	2,010	2,160	..	415	140	280	..	320
United Arab Emirates	2009	18,324	4,354	2,020	1,034	4,426	5,342	181	503	..	464
	2010	19,774	4,765	2,247	970	4,808	5,698	196	566	..	524
	2011	21,523	4,880	2,530	1,067	5,068	6,408	213	699	..	658
	2012	21,309	4,241	2,815	888	5,063	6,852	211	569	..	670
Uzbekistan	2009	4,371	1,302	1,622	499	..	185	143	26	69	525
	2010	3,883	1,125	1,444	508	..	157	121	22	59	447
	2011	3,583	1,058	1,308	456	..	148	114	21	56	422
	2012	3,204	1,021	1,226	278	..	132	102	19	50	376
Viet Nam	2009	1,460	553	674	37	..	81	..	115	..	..
	2010	5,701	2,671	2,329	148	..	39	..	321	..	193
	2011	5,771	2,701	2,355	150	..	39	..	331	..	195
	2012	6,382	2,977	2,596	165	..	43	..	386	..	215
Yemen	2009	3,565	1,070	1,054	690	59	412	..	66	121	93
	2010	3,363	1,096	944	597	92	363	..	66	107	98
	2011	2,244	762	438	490	225	195	..	52	58	24
	2012	1,240	343	128	207	327	125	..	60	37	13
Europe	2009	944,955	345,010	182,638	170,807	49,360	45,618	35,966	31,470	8,767	75,320
	2010	946,319	342,153	174,666	171,406	55,612	45,788	36,071	31,791	9,303	79,529
	2011	940,922	340,615	171,414	167,375	57,202	48,400	36,396	32,669	10,689	76,163
	2012	934,021	340,587	169,277	165,312	56,859	46,542	36,066	32,902	12,482	73,995
Albania	2009	339	56	0	11	23	..	13	..	..	236
	2010	158	22	0	4	4	..	4	..	..	124
	2011	297	85	0	9	19	..	10	..	..	174
	2012	111	20	0	0	4	..	5	..	..	82
Austria	2009	8,813	3,867	1,652	989	870	313	369	92	3	658
	2010	7,986	3,306	1,436	815	892	476	392	87	3	579
	2011	8,816	3,924	1,531	822	844	615	381	101	0	598
	2012	8,780	3,780	1,553	953	1,009	618	311	70	16	470
Belarus	2009	21,310	7,559	3,272	7,291	..	..	403	417	361	2,007
	2010	16,220	5,956	3,158	5,104	..	..	296	413	251	1,042
	2011	20,187	7,440	3,135	6,407	..	..	481	462	274	1,988
	2012	21,375	7,539	3,729	7,284	..	..	693	532	146	1,452
Belgium	2009	34,637	12,248	4,591	5,039	1,178	1,838	808	463	66	8,406
	2010	35,115	12,535	4,795	5,564	1,401	1,775	832	517	44	7,652
	2011	32,949	11,497	3,782	5,856	1,840	1,498	762	570	36	7,108
	2012	34,861	12,574	4,502	5,312	1,890	1,819	820	480	35	7,429
Bosnia and Herzegovina	2009	1,040	338	97	338	7	..	..	25	..	235
	2010	1,161	411	88	257	43	..	..	29	..	333
	2011	1,260	503	74	218	24	..	..	25	..	416
	2012	1,079	434	109	176	19	..	..	23	..	318
Bulgaria	2009	6,395	2,108	1,457	1,536	429	184	218	155	..	308
	2010	5,970	1,938	1,479	1,422	322	190	204	120	..	295
	2011	5,999	1,992	1,531	1,424	276	186	187	118	..	285
	2012	6,425	2,205	1,658	1,488	303	171	198	119	..	283

Table 24

Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	L.P.G.	Other kerosene	Other products
Croatia	2009	4,831	1,488	1,207	1,066	138	94	200	296	0	342
	2010	4,231	1,307	1,094	869	66	94	162	246	0	393
	2011	3,591	1,131	871	731	90	117	267	214	0	170
	2012	3,707	1,287	990	563	59	97	294	239	0	178
Czech Republic	2009	7,657	3,131	1,412	260	736	112	146	203	..	1,657
	2010	8,174	3,277	1,463	239	860	144	155	215	..	1,821
	2011	7,417	3,011	1,330	195	773	134	145	195	..	1,634
	2012	7,587	3,115	1,439	145	794	143	158	200	..	1,593
Denmark	2009	7,523	3,308	2,092	1,265	12	409	297	140	..	..
	2010	6,985	3,029	1,817	1,276	41	407	263	152	..	..
	2011	6,557	2,858	1,857	1,147	0	275	288	132	..	..
	2012	7,428	3,411	2,011	1,312	0	224	301	169	..	..
Finland	2009	14,867	6,643	4,230	1,435	264	632	486	274	..	903
	2010	13,915	6,377	3,891	1,209	200	610	450	246	..	932
	2011	14,807	6,505	4,074	1,294	281	796	450	387	..	1,020
	2012	14,302	6,401	4,173	1,287	250	618	430	256	..	887
France	2009	78,298	31,719	15,427	9,483	4,586	4,983	2,731	2,418	53	6,898
	2010	71,906	28,977	13,349	9,196	5,042	4,399	2,650	2,100	96	6,097
	2011	72,226	29,481	12,806	9,024	5,259	4,761	2,736	1,877	1	6,281
	2012	61,397	24,948	11,679	8,237	4,362	3,851	2,251	1,466	0	4,603
Germany	2009	107,713	45,682	23,486	9,756	7,967	4,591	3,836	2,662	3	9,730
	2010	101,450	43,310	20,940	7,942	8,018	4,876	3,833	2,637	6	9,888
	2011	99,740	42,429	20,497	7,754	7,750	4,967	3,884	2,612	5	9,842
	2012	100,742	43,580	19,487	8,319	8,104	5,216	3,795	2,624	3	9,614
Greece	2009	21,293	6,443	4,075	5,959	608	1,574	557	611	54	1,412
	2010	22,197	6,791	4,407	5,878	1,010	1,602	593	682	12	1,222
	2011	19,253	5,659	3,950	5,053	597	1,845	506	559	10	1,074
	2012	23,890	7,816	4,592	5,111	1,266	1,784	590	631	6	2,094
Hungary	2009	7,550	3,291	1,238	168	953	241	198	71	..	1,390
	2010	8,475	3,873	1,184	111	1,045	231	193	76	..	1,762
	2011	8,234	3,563	1,130	150	1,080	239	199	74	..	1,799
	2012	7,818	3,542	1,138	81	1,004	169	179	64	..	1,641
Ireland	2009	2,737	975	481	949	23	..	75	34	200	..
	2010	2,880	1,070	463	969	25	..	88	56	209	..
	2011	2,868	1,047	506	1,071	17	..	43	67	117	..
	2012	2,979	1,247	501	967	12	..	48	73	131	..
Italy	2009	86,478	35,985	18,796	11,236	2,725	3,067	2,755	2,113	262	9,539
	2010	90,131	36,664	18,855	10,548	3,582	3,223	3,100	1,871	136	12,152
	2011	85,642	35,631	18,742	9,180	3,803	3,068	3,077	2,072	563	9,506
	2012	81,598	35,099	18,210	9,216	3,122	2,605	2,729	1,541	672	8,404
Lithuania	2009	8,646	2,613	2,585	1,660	45	752	301	354	..	336
	2010	9,196	2,908	2,675	1,741	0	848	310	359	..	355
	2011	9,376	3,107	2,694	1,760	0	829	295	323	..	368
	2012	8,977	3,025	2,504	1,709	0	815	294	299	..	331
Netherlands	2009	57,349	20,384	6,971	8,496	9,570	5,582	1,970	1,403	373	2,600
	2010	58,334	21,254	7,368	9,800	7,539	6,330	1,844	1,426	288	2,485
	2011	57,212	20,449	6,550	8,481	8,215	7,063	1,956	1,544	390	2,564
	2012	56,877	20,219	6,987	8,696	7,720	6,589	2,063	1,551	585	2,467
Norway	2009	14,969	6,052	3,512	2,009	1,626	680	412	418	108	152
	2010	14,050	5,716	3,325	1,870	1,539	477	383	395	183	162
	2011	15,686	6,523	3,808	1,747	1,500	415	365	411	434	483
	2012	15,023	6,161	3,683	1,591	1,914	501	363	432	223	155

Table 24

Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	L.P.G.	Other kerosene	Other products
Poland	2009	22,007	9,745	4,040	2,599	1,150	703	848	432	1	2,489
	2010	23,563	10,388	4,025	3,123	1,363	705	902	424	1	2,632
	2011	24,851	10,929	3,717	3,391	1,332	873	955	446	1	3,207
	2012	25,700	11,289	3,803	3,430	1,542	937	1,032	539	1	3,127
Portugal	2009	11,314	3,810	2,056	1,976	992	782	19	326	0	1,353
	2010	11,912	3,917	2,218	2,199	1,081	967	30	380	2	1,118
	2011	10,820	3,576	1,875	2,534	961	791	15	318	1	749
	2012	11,493	3,871	1,864	2,740	1,218	910	19	221	1	649
Republic of Moldova	2009	21	5	..	16	..	..	..	..	..	0
	2010	21	4	..	12	..	..	..	..	..	5
	2011	19	4	..	10	..	..	..	..	..	5
	2012	18	3	..	12	..	..	..	..	..	3
Romania	2009	12,196	4,422	3,311	883	537	292	908	750	12	1,081
	2010	10,968	3,835	2,823	764	397	281	826	570	14	1,458
	2011	10,445	3,743	2,886	722	269	274	783	582	26	1,160
	2012	9,850	3,806	2,751	562	263	254	700	527	23	964
Russian Federation	2009	227,927	67,233	35,827	69,573	11,976	10,445	12,103	12,810	0	7,960
	2010	244,619	69,975	35,926	74,998	18,089	11,147	12,022	13,625	0	8,837
	2011	248,339	70,293	36,686	73,640	19,366	12,555	12,224	14,167	..	9,408
	2012	253,725	69,436	38,232	75,072	19,978	12,863	12,661	15,314	..	10,169
Serbia	2009	2,883	983	570	626	144	52	58	134	..	316
	2010	2,890	901	473	691	134	68	64	128	..	431
	2011	2,462	776	430	542	150	75	48	105	..	336
	2012	2,260	691	372	472	127	73	37	113	..	375
Slovakia	2009	6,355	2,743	1,496	630	471	68	400	116	1	430
	2010	6,087	2,706	1,255	692	527	45	370	117	1	374
	2011	6,662	3,056	1,411	638	531	58	422	131	2	413
	2012	5,877	2,732	1,348	616	371	47	321	122	1	319
Spain	2009	57,224	22,390	8,973	9,147	535	1,875	1,716	1,397	4,440	6,751
	2010	57,644	22,900	8,013	8,334	519	848	1,782	1,456	5,487	8,305
	2011	56,649	23,644	7,471	7,927	464	257	1,926	1,439	6,452	7,069
	2012	61,346	26,490	7,231	6,536	318	163	2,059	1,702	8,371	8,476
Sweden	2009	20,248	7,670	4,506	4,426	266	211	642	278	..	2,249
	2010	20,769	7,558	3,873	5,153	277	181	571	344	..	2,812
	2011	19,622	7,075	4,003	4,970	248	190	530	271	..	2,335
	2012	21,410	7,966	4,394	5,099	240	245	623	391	..	2,452
Switzerland	2009	4,816	2,381	1,427	383	0	96	236	204	..	89
	2010	4,513	2,269	1,319	377	0	64	227	170	..	87
	2011	4,407	2,209	1,263	344	20	81	217	184	..	89
	2012	3,424	1,703	1,028	275	20	38	168	119	..	73
T.F.Yug.Rep. Macedonia	2009	964	376	177	362	..	20	2	28	..	..
	2010	828	364	161	260	..	19	0	24	..	..
	2011	680	278	110	246	..	27	0	20	..	..
	2012	244	74	46	97	..	17	0	10	..	..
Ukraine	2009	11,662	3,979	3,259	2,600	..	..	501	733	..	590
	2010	11,103	3,781	2,875	2,464	..	..	545	679	..	759
	2011	9,353	2,713	2,837	2,181	..	..	438	665	..	519
	2012	4,968	1,411	1,636	790	..	..	269	563	..	299
United Kingdom	2009	74,893	25,383	20,415	8,640	1,529	6,022	2,758	2,113	2,830	5,203
	2010	72,868	24,834	19,918	7,525	1,596	5,781	2,980	2,247	2,570	5,417
	2011	74,496	25,484	19,857	7,907	1,493	6,411	2,806	2,598	2,377	5,563
	2012	68,751	24,712	17,627	7,164	950	5,775	2,655	2,512	2,268	5,088

Table 24

Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	L.P.G.	Other kerosene	Other products
Oceania	2009	37,196	12,377	13,986	1,542	429	5,390	920	780	59	1,713
	2010	36,140	12,121	13,713	1,355	432	5,405	978	647	30	1,459
	2011	37,983	13,181	13,548	1,666	388	5,554	1,091	769	13	1,773
	2012	36,173	12,953	12,851	1,629	270	5,582	1,086	540	1	1,261
Australia	2009	31,396	10,248	12,570	890	254	4,444	648	771	58	1,513
	2010	30,099	9,808	12,340	860	160	4,328	709	633	28	1,233
	2011	31,708	10,803	12,222	952	161	4,409	797	763	11	1,590
	2012	29,620	10,352	11,499	940	11	4,413	798	530	1	1,076
New Zealand	2009	5,037	1,723	1,416	558	..	867	272	..	1	200
	2010	5,151	1,911	1,373	380	..	990	269	..	2	226
	2011	5,370	1,923	1,326	594	..	1,048	294	..	2	183
	2012	5,577	2,139	1,352	562	..	1,051	288	..	0	185
Papua New Guinea	2009	763	406	0	94	175	79	..	9	..	..
	2010	890	402	0	115	272	87	..	14	..	..
	2011	905	455	0	120	227	97	..	6	..	..
	2012	976	462	0	127	259	118	..	10	..	..

Production, trade and supply of oil products

Thousand metric tons

Table Notes

Production

Production refers to the production from refineries and plants of all oil products, together with quantities from other sources which include any blended biofuels.

Imports, Exports, Bunkers and Stock Changes

Refer to all oil products.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification.

Figure 65: Production of oil products by region, 1990-2012

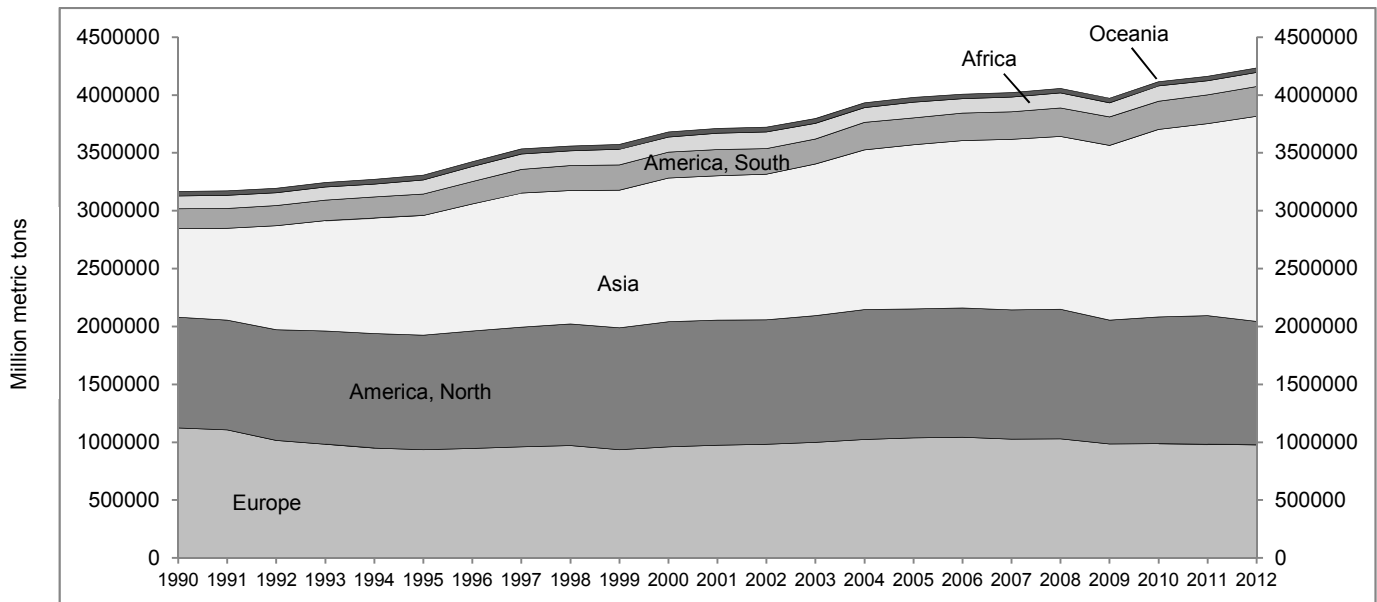


Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
World	2009	3,972,401	1,069,292	1,099,099	323,456	-13,443	3,632,581	532
	2010	4,115,870	1,148,046	1,150,428	346,830	4,968	3,761,691	544
	2011	4,162,414	1,186,095	1,188,050	355,306	2,870	3,802,283	543
	2012	4,232,664	1,195,391	1,205,103	338,397	5,141	3,879,415	548
Africa	2009	121,493	66,113	36,625	13,132	-1,172	139,021	138
	2010	130,793	69,847	37,654	13,981	616	148,389	144
	2011	119,504	73,219	32,507	11,911	-43	148,348	140
	2012	119,911	79,134	31,068	13,109	-950	155,819	144
Algeria	2009	31,180	1,323	17,626	744	81	14,052	386
	2010	34,241	991	20,053	775	24	14,380	388
	2011	33,013	2,115	19,522	712	-33	14,927	395
	2012	30,159	4,490	17,950	770	-241	16,170	420
Angola	2009	2,475	3,115	699	378	309	4,204	222
	2010	2,390	3,256	622	376	22	4,626	237
	2011	2,470	3,285	782	366	20	4,587	227
	2012	2,503	3,548	835	389	17	4,810	231
Benin	2009	..	1,603	210	86	3	1,304	141
	2010	..	1,807	209	149	3	1,446	152
	2011	..	1,871	216	154	0	1,501	153
	2012	..	1,971	229	162	0	1,580	157
Botswana	2009	..	795	..	15	..	780	400
	2010	..	863	..	16	..	847	430
	2011	..	915	..	17	..	898	452
	2012	..	952	..	18	..	934	466
Burkina Faso	2009	..	544	..	15	*-10	540	36
	2010	..	*579	..	*35	0	*545	*35
	2011	..	667	..	*41	0	626	39
	2012	..	792	..	*43	0	749	46
Burundi	2009	..	67	..	6	0	62	7
	2010	..	70	..	5	0	66	7
	2011	..	88	..	4	1	83	9
	2012	..	90	..	4	-2	88	9
Cabo Verde	2009	..	185	..	*74	..	111	228
	2010	..	204	..	102	..	102	209
	2011	..	276	..	133	..	142	290
	2012	..	205	..	109	..	97	196
Cameroon	2009	1,732	315	672	116	-202	1,461	73
	2010	2,057	270	773	108	-166	1,612	78
	2011	1,994	219	534	113	0	1,566	74
	2012	1,958	271	482	118	0	1,629	75
Central African Rep.	2009	..	*114	..	*30	..	*84	*20
	2010	..	*118	..	*31	..	*87	*20
	2011	..	*123	..	*31	..	*92	*21
	2012	..	*128	..	*33	..	*96	*21
Chad	2009	..	*92	..	*18	..	*74	*7
	2010	..	*100	..	*18	..	*82	*7
	2011	..	*105	..	*18	..	*87	*7
	2012	..	*105	..	*18	..	*87	*7
Comoros	2009	..	*47	..	*2	..	*45	*68
	2010	..	*51	..	*2	..	*49	*71
	2011	..	*61	..	*3	..	*58	*83
	2012	..	*59	..	*3	..	*57	*79

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Congo	2009	693	208	369	60	-18	490	123
	2010	655	197	235	60	2	555	135
	2011	575	278	197	56	-26	626	148
	2012	833	126	280	60	0	619	143
Côte d'Ivoire	2009	3,220	135	2,341	71	-105	1,048	56
	2010	3,054	150	2,076	75	-46	1,099	58
	2011	2,236	109	1,381	65	-32	931	48
	2012	3,225	138	1,903	78	-46	1,428	72
Dem. Rep. of the Congo	2009	..	532	..	15	..	517	9
	2010	..	752	..	147	..	605	10
	2011	..	917	..	157	..	760	12
	2012	..	959	..	151	..	808	12
Djibouti	2009	..	265	*20	102	*-14	157	191
	2010	..	304	*23	103	*2	176	211
	2011	..	232	*22	99	*-51	161	190
	2012	..	*300	*21	*102	0	*177	*206
Egypt	2009	30,285	8,975	2,769	3,199	-124	33,416	435
	2010	30,753	8,103	3,359	3,043	-1,424	33,878	434
	2011	29,551	8,175	2,476	1,158	-301	34,393	433
	2012	29,566	9,343	2,104	1,171	-275	35,909	445
Equatorial Guinea	2009	..	*238	..	*35	..	*203	*300
	2010	..	*238	..	*35	..	*203	*292
	2011	..	*238	..	*35	..	*203	*284
	2012	..	*239	..	*35	..	*204	*277
Eritrea	2009	..	157	..	1	-6	162	29
	2010	..	159	..	1	-4	162	28
	2011	..	166	..	1	0	165	28
	2012	..	176	..	1	0	175	29
Ethiopia	2009	..	2,132	..	211	0	1,921	23
	2010	..	2,198	..	272	10	1,916	22
	2011	..	2,341	..	272	-50	2,119	24
	2012	..	2,563	..	296	-22	2,289	25
Gabon	2009	874	198	275	245	12	540	355
	2010	935	210	295	278	11	561	360
	2011	932	224	304	275	9	568	356
	2012	900	237	296	271	9	561	344
Gambia	2009	..	143	2	..	..	141	87
	2010	..	*156	*2	..	..	*154	*91
	2011	..	*143	*2	..	..	*141	*81
	2012	..	*155	*2	..	..	*153	*86
Ghana	2009	340	1,913	485	158	..	1,610	68
	2010	975	1,658	558	198	..	1,878	77
	2011	1,000	2,159	658	207	..	2,294	92
	2012	474	2,526	282	206	..	2,513	99
Guinea	2009	..	740	..	*25	..	716	68
	2010	..	867	..	*25	..	842	77
	2011	..	893	..	*25	..	868	78
	2012	..	847	..	*25	..	822	72
Guinea-Bissau	2009	..	*108	..	*11	..	*97	*63
	2010	..	*110	..	*11	..	*99	*62
	2011	..	*112	..	*11	..	*101	*62
	2012	..	*114	..	*11	..	*103	*62

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Kenya	2009	1,511	2,226	83	573	-69	3,150	79
	2010	1,473	2,379	100	674	-180	3,258	80
	2011	1,689	2,646	93	698	0	3,544	84
	2012	968	3,085	44	684	8	3,317	77
Lesotho	2009	..	*193	..	..	..	*193	*97
	2010	..	*233	..	..	..	*233	*116
	2011	..	*206	..	..	..	*206	*101
	2012	..	*213	..	..	..	*213	*104
Liberia	2009	..	179	..	*15	..	163	43
	2010	..	271	..	*18	..	253	64
	2011	..	303	..	*19	..	285	70
	2012	..	342	..	*21	..	321	77
Libya	2009	16,357	3,111	5,665	604	0	13,199	2,213
	2010	17,716	3,480	4,843	568	1,988	13,797	2,284
	2011	6,107	3,870	1,263	133	0	8,581	1,406
	2012	8,930	4,922	1,538	566	0	11,748	1,909
Madagascar	2009	..	580	..	46	-19	552	27
	2010	..	618	..	63	-35	589	28
	2011	..	673	..	79	-12	605	28
	2012	..	747	..	82	29	636	29
Malawi	2009	..	268	..	..	..	268	18
	2010	..	332	..	..	..	332	22
	2011	..	318	..	..	..	318	21
	2012	..	308	..	..	..	308	19
Mali	2009	..	*394	..	*20	..	*374	*28
	2010	..	*424	..	*21	..	*403	*29
	2011	..	*428	..	*21	..	*407	*28
	2012	..	*436	..	*22	..	*414	*28
Mauritania	2009	..	667	..	21	0	646	184
	2010	..	664	..	18	0	646	179
	2011	..	712	..	17	0	695	188
	2012	..	791	..	23	0	768	202
Mauritius	2009	..	1,026	..	330	-71	767	625
	2010	..	1,107	..	351	-37	793	644
	2011	..	1,175	..	404	-32	803	650
	2012	..	1,149	..	376	-54	827	667
Morocco	2009	4,429	6,969	815	501	-235	10,317	330
	2010	5,754	7,427	585	573	595	11,428	361
	2011	6,979	8,084	581	642	-76	13,916	434
	2012	7,049	7,894	527	936	101	13,379	411
Mozambique	2009	..	707	..	67	..	640	27
	2010	..	753	..	64	..	689	29
	2011	..	850	..	59	..	791	32
	2012	..	820	..	65	..	755	30
Namibia	2009	..	919	..	35	..	884	412
	2010	..	971	..	37	..	934	429
	2011	..	876	..	*13	..	864	389
	2012	..	992	..	*39	..	953	422
Niger	2009	..	241	..	12	0	229	15
	2010	0	286	..	11	-5	280	18
	2011	57	262	0	11	*27	281	17
	2012	560	68	*208	8	*46	366	21

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Nigeria	2009	2,400	7,853	700	1,008	-609	9,154	59
	2010	4,885	8,572	945	585	-66	11,993	75
	2011	5,868	7,722	1,369	584	477	11,160	68
	2012	4,674	7,934	789	581	-514	11,752	70
Réunion	2009	..	808	..	11	1	796	955
	2010	..	810	..	13	1	796	942
	2011	..	860	..	10	-6	856	1,001
	2012	..	790	..	9	-22	803	928
Rwanda	2009	..	*190	0	*14	*1	*175	*17
	2010	..	*201	0	*15	0	*186	*17
	2011	..	*229	0	*17	0	*211	*19
	2012	..	258	0	*20	0	238	21
Sao Tome and Principe	2009	..	*39	..	*9	..	*30	*171
	2010	..	42	..	10	..	32	182
	2011	..	*44	..	*10	..	*34	*183
	2012	..	*46	..	*10	..	*36	*192
Senegal	2009	706	740	322	251	-9	882	70
	2010	597	1,234	74	220	15	1,522	118
	2011	714	1,270	70	207	46	1,661	125
	2012	768	1,150	92	199	35	1,592	116
Seychelles	2009	..	363	..	*119	..	244	2,689
	2010	..	328	..	*103	..	224	2,460
	2011	..	283	..	*88	..	195	2,129
	2012	..	365	..	*114	..	251	2,717
Sierra Leone	2009	..	185	..	*8	..	178	32
	2010	..	199	..	*8	..	191	33
	2011	..	254	..	*8	..	246	42
	2012	..	294	..	*8	..	286	48
Somalia	2009	0	*260	0	65	..	*195	*21
	2010	0	*265	0	65	..	*200	*21
	2011	0	*244	0	56	..	*188	*19
	2012	0	*275	0	67	..	*208	*20
South Africa	2009	18,111	6,316	2,281	3,071	..	19,075	375
	2010	19,476	6,663	2,305	3,886	..	19,948	388
	2011	20,504	6,883	2,174	4,027	..	21,186	408
	2012	20,876	6,404	2,224	4,359	..	20,697	395
St. Helena and Depend.	2009	..	3	..	..	..	3	698
	2010	..	3	..	..	..	3	803
	2011	..	3	..	..	..	3	797
	2012	..	4	..	..	..	4	925
Sudan	2009	4,887	682	415	274	0	4,880	110
	2010	4,868	798	390	285	0	4,991	109
	2011	4,354	1,150	472	328	0	4,704	100
	2012	3,953	1,118	259	238	0	4,574	95
Swaziland	2009	..	*217	..	*1	..	*216	*184
	2010	..	*218	..	*1	..	*217	*182
	2011	..	*220	..	*1	..	*220	*181
	2012	..	*224	..	*1	..	*224	*182
Togo	2009	..	757	..	79	-42	720	117
	2010	..	713	..	84	-32	661	105
	2011	..	622	..	77	-56	601	93
	2012	..	561	..	85	-41	517	78

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Tunisia	2009	1,737	3,263	835	205	-46	4,006	381
	2010	373	4,045	151	256	-63	4,073	383
	2011	828	3,400	328	246	52	3,602	335
	2012	1,837	3,245	941	294	22	3,825	352
Uganda	2009	..	1,005	..	..	..	1,005	31
	2010	..	*1,075	..	..	..	*1,075	*32
	2011	..	1,142	..	..	..	1,142	32
	2012	..	*1,076	..	..	..	*1,076	*30
United Rep. of Tanzania	2009	..	1,381	..	142	..	1,239	28
	2010	..	1,647	..	152	..	1,495	33
	2011	..	1,967	..	162	..	1,805	39
	2012	..	2,329	..	173	..	2,156	45
Zambia	2009	556	64	41	29	0	550	43
	2010	591	71	56	29	0	577	44
	2011	633	153	63	32	0	691	51
	2012	678	269	63	49	0	835	59
Zimbabwe	2009	..	564	..	7	..	557	43
	2010	..	609	..	8	..	601	46
	2011	..	660	..	9	..	651	49
	2012	..	690	..	9	..	681	50
America, North	2009	1,070,341	181,618	154,721	57,646	2,384	1,037,209	1,910
	2010	1,096,451	187,027	162,753	60,696	-1,911	1,061,939	1,935
	2011	1,109,166	193,461	188,795	60,617	-2,545	1,055,760	1,905
	2012	1,065,915	176,622	188,026	49,222	-1,136	1,006,424	1,798
Anguilla	2009	..	*48	..	..	..	*48	*3,522
	2010	..	*49	..	..	..	*49	*3,552
	2011	..	*46	..	..	..	*46	*3,296
	2012	..	*45	..	..	..	*45	*3,205
Antigua and Barbuda	2009	..	*233	*6	*55	..	*172	*1,994
	2010	..	*225	*5	*46	..	*175	*2,000
	2011	..	*223	*4	48	..	*172	*1,946
	2012	..	*230	*4	49	..	*177	*1,982
Aruba	2009	*10,058	*411	*10,058	*90	..	*321	*3,162
	2010	*10,067	*383	*10,067	*86	..	*297	*2,921
	2011	*10,050	*382	*10,050	*88	..	*294	*2,888
	2012	*2,440	*377	*2,440	*92	..	*285	*2,783
Bahamas	2009	..	715	*18	*147	..	550	1,552
	2010	..	1,043	*44	*183	..	816	2,263
	2011	..	923	*41	*253	..	630	1,719
	2012	..	869	*50	*179	..	639	1,719
Barbados	2009	1	576	..	*124	-14	468	1,676
	2010	0	564	..	126	3	435	1,551
	2011	0	592	..	141	0	451	1,600
	2012	0	555	..	114	1	439	1,551
Belize	2009	*2	*168	..	*15	..	*156	*517
	2010	2	177	..	13	..	166	538
	2011	*2	*181	..	*12	..	*170	*538
	2012	*2	*173	..	*16	..	*160	*494
Bermuda	2009	..	*288	..	*68	..	*220	*3,388
	2010	..	*284	..	*68	..	*216	*3,326
	2011	..	*238	..	*31	..	*207	*3,176
	2012	..	*263	..	*31	..	*232	*3,557

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
British Virgin Islands	2009	..	*54	..	..	..	*54	*2,042
	2010	..	*56	..	..	..	*56	*2,042
	2011	..	*57	..	..	..	*57	*2,052
	2012	..	*57	..	..	..	*57	*2,019
Canada	2009	95,046	11,738	20,397	1,399	-645	85,633	2,537
	2010	97,271	11,142	19,991	1,774	-1,676	88,324	2,588
	2011	92,833	15,280	18,694	1,429	203	87,787	2,545
	2012	93,301	13,125	22,992	1,453	-66	82,047	2,355
Cayman Islands	2009	..	194	..	*10	..	184	3,390
	2010	..	195	..	*10	..	185	3,333
	2011	..	202	..	*11	..	191	3,374
	2012	..	189	..	*12	..	177	3,075
Costa Rica	2009	354	1,893	136	..	-71	2,182	474
	2010	503	1,841	98	..	33	2,213	474
	2011	150	2,155	43	..	0	2,262	477
	2012	0	2,283	9	..	-17	2,291	477
Cuba	2009	5,185	750	..	*162	..	5,773	511
	2010	5,003	3,760	..	*164	..	8,599	762
	2011	4,871	3,154	..	*164	..	7,861	697
	2012	5,122	3,142	..	*164	..	8,100	719
Dominica	2009	..	44	..	*2	..	43	603
	2010	..	*46	..	*2	..	*45	*625
	2011	..	*43	..	*2	..	*42	*585
	2012	..	*46	..	*2	..	*44	*617
Dominican Republic	2009	1,247	3,870	..	*419	-53	4,750	481
	2010	1,340	3,828	..	*395	-16	4,790	478
	2011	1,264	3,900	..	*425	27	4,713	464
	2012	1,168	4,035	..	*478	0	4,726	460
El Salvador	2009	885	1,228	104	111	-12	1,910	309
	2010	808	1,274	127	108	1	1,846	297
	2011	743	1,380	85	110	-50	1,978	316
	2012	528	1,668	51	122	-102	2,126	338
Greenland	2009	..	240	..	43	8	189	3,333
	2010	..	303	..	70	16	218	3,847
	2011	..	291	..	79	-19	232	4,092
	2012	..	245	..	62	-2	185	3,259
Grenada	2009	..	86	..	5	-1	82	787
	2010	..	90	..	5	0	85	814
	2011	..	86	..	5	0	82	778
	2012	..	86	..	4	-6	87	829
Guadeloupe	2009	..	*800	..	*138	..	*662	*1,452
	2010	..	*802	..	*138	..	*664	*1,448
	2011	..	*814	..	140	..	*674	*1,462
	2012	..	*814	..	*140	..	*674	*1,454
Guatemala	2009	88	3,869	165	295	73	3,424	245
	2010	70	3,330	192	343	-87	2,952	206
	2011	81	3,460	181	349	10	3,001	204
	2012	71	3,457	118	342	30	3,038	201
Haiti	2009	..	713	..	17	..	696	71
	2010	..	668	..	20	..	648	65
	2011	..	696	..	17	..	679	68
	2012	..	765	..	52	..	713	70

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Honduras	2009	..	2,441	305	48	-41	2,129	285
	2010	..	2,582	347	47	-1	2,189	287
	2011	..	2,574	296	23	-9	2,264	291
	2012	..	2,843	365	47	0	2,431	306
Jamaica	2009	1,166	1,466	0	194	-210	2,648	970
	2010	1,147	1,591	272	258	-47	2,255	823
	2011	1,215	1,643	219	248	15	2,375	862
	2012	1,187	1,507	233	244	-1	2,217	801
Martinique	2009	*844	*65	*154	*49	..	*705	*1,763
	2010	*861	*66	*157	*50	..	*721	*1,798
	2011	*909	*66	*157	*53	..	*765	*1,905
	2012	*924	*66	*157	*54	..	*779	*1,935
Mexico	2009	80,573	23,668	10,219	3,288	-291	91,025	782
	2010	76,735	29,048	9,754	3,363	490	92,176	782
	2011	74,029	31,761	9,010	3,488	1,184	92,108	772
	2012	73,860	31,619	7,504	3,643	967	93,365	773
Montserrat	2009	..	*26	..	*1	..	*25	*5,124
	2010	..	26	..	*1	..	25	5,088
	2011	..	*27	..	*1	..	*26	*5,180
	2012	..	*27	..	*1	..	*26	*5,133
Netherlands Antilles	2009	9,835	4,080	8,913	2,368	..	2,634	13,045
	2010	4,453	3,844	4,068	2,411	..	1,818	8,753
	2011	8,718	4,117	7,974	2,440	..	2,421	11,357
	2012	9,077	4,123	8,306	2,428	..	2,466	11,294
Nicaragua	2009	798	606	23	19	-17	1,379	240
	2010	768	593	26	18	-65	1,382	237
	2011	780	796	25	20	52	1,479	250
	2012	518	948	19	21	-4	1,430	239
Panama	2009	..	5,183	..	2,961	-257	2,479	686
	2010	..	5,316	1	3,143	-486	2,658	723
	2011	..	5,056	1	2,867	-548	2,736	731
	2012	..	*5,213	1	*2,934	-234	*2,513	*661
St. Kitts-Nevis	2009	..	*85	..	..	..	*85	*1,643
	2010	..	*84	..	..	..	*84	*1,612
	2011	..	*87	..	..	..	*87	*1,641
	2012	..	*91	..	..	..	*91	*1,693
St. Lucia	2009	..	133	..	*6	..	127	725
	2010	..	139	..	*6	..	133	750
	2011	..	141	..	*6	..	135	754
	2012	..	141	..	*6	..	134	743
St. Pierre-Miquelon	2009	..	*28	..	*6	..	*22	*3,632
	2010	..	*29	..	*6	..	*23	*3,804
	2011	..	*29	..	*6	..	*23	*3,840
	2012	..	*29	..	*6	..	*23	*3,774
St. Vincent-Grenadines	2009	..	*76	..	0	..	*76	*696
	2010	..	*78	..	0	..	*78	*714
	2011	..	*79	..	0	..	*79	*722
	2012	..	*80	..	0	..	*80	*731
Trinidad and Tobago	2009	9,011	154	6,880	808	-30	1,507	1,139
	2010	7,862	108	5,800	606	-23	1,587	1,195
	2011	8,414	253	6,564	675	-91	1,519	1,139
	2012	6,676	380	5,093	627	-103	1,439	1,076

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Turks and Caicos Islands	2009	..	*59	..	..	..	*59	*1,951
	2010	..	*62	..	..	..	*62	*1,988
	2011	..	*62	..	..	..	*62	*1,945
	2012	..	*65	..	..	..	*65	*2,005
United States	2009	855,249	115,629	97,343	44,797	3,945	824,793	2,665
	2010	889,560	113,401	111,804	47,237	-51	843,971	2,703
	2011	905,106	112,664	135,451	47,485	-3,319	838,153	2,662
	2012	871,041	97,067	140,684	35,899	-1,599	793,124	2,498
America, South	2009	245,900	40,037	53,093	13,290	-1,474	221,027	567
	2010	243,626	54,074	47,044	14,225	-1,526	237,958	604
	2011	250,817	57,181	52,033	14,297	236	241,432	606
	2012	257,036	60,708	45,809	14,427	-2,159	259,666	645
Argentina	2009	31,817	2,797	3,609	1,513	-85	29,577	739
	2010	32,763	4,607	3,218	1,804	175	32,173	797
	2011	32,024	5,136	2,449	2,072	273	32,366	795
	2012	34,580	4,751	2,076	2,419	-135	34,971	851
Bolivia (Plur. State of)	2009	2,215	550	371	42	-32	2,384	239
	2010	2,277	698	381	44	-19	2,569	253
	2011	2,357	845	454	48	-33	2,733	265
	2012	2,431	975	318	42	16	3,030	289
Brazil	2009	100,203	13,888	7,734	5,398	-55	101,014	522
	2010	101,555	22,498	6,450	5,966	293	111,344	570
	2011	105,116	24,953	6,466	6,451	255	116,897	594
	2012	110,628	24,842	6,248	6,045	-1,330	124,507	627
Chile	2009	10,023	6,749	1,071	1,260	65	14,376	846
	2010	8,668	7,096	596	898	83	14,187	827
	2011	8,922	7,153	650	924	-63	14,564	841
	2012	9,032	7,483	852	840	-171	14,994	859
Colombia	2009	13,057	1,680	4,135	1,095	-71	9,578	209
	2010	13,842	2,491	5,024	*1,312	165	9,832	212
	2011	14,920	2,546	5,240	*1,452	0	10,774	229
	2012	15,608	3,133	4,991	*1,389	75	12,286	258
Ecuador	2009	7,939	3,823	1,804	1,609	-1,139	9,488	643
	2010	6,951	4,854	1,523	1,341	-815	9,756	650
	2011	7,898	4,343	1,733	802	8	9,698	636
	2012	7,598	5,139	1,642	855	-194	10,434	673
Falkland Is. (Malvinas)	2009	..	*15	..	..	..	*15	*4,990
	2010	..	*14	..	..	..	*14	*4,541
	2011	..	*13	..	..	..	*13	*4,394
	2012	..	*14	..	..	..	*14	*4,480
French Guiana	2009	..	*285	..	*39	..	*246	*1,093
	2010	..	*271	..	*39	..	*232	*1,005
	2011	..	*277	..	*40	..	*237	*1,001
	2012	..	*264	..	*40	..	*224	*922
Guyana	2009	..	519	..	9	-1	511	655
	2010	..	561	..	9	-8	561	713
	2011	..	581	..	9	-9	580	734
	2012	..	657	..	15	-8	650	818
Paraguay	2009	21	1,438	..	21	14	1,425	224
	2010	28	1,516	..	26	-97	1,614	250
	2011	30	1,582	..	26	-108	1,693	258
	2012	31	1,694	..	29	-45	1,742	261

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Peru	2009	11,916	1,139	3,065	728	-89	9,351	323
	2010	12,861	1,823	3,719	856	32	10,077	344
	2011	12,703	2,275	3,330	1,001	-67	10,714	362
	2012	11,847	2,721	4,069	882	-930	10,547	352
Suriname	2009	405	291	58	..	0	638	1,226
	2010	835	467	483	..	-1	820	1,563
	2011	898	410	608	..	0	699	1,320
	2012	918	482	597	..	0	802	1,501
Uruguay	2009	1,941	1,173	140	573	14	2,388	711
	2010	1,914	766	188	527	-15	1,979	587
	2011	1,325	1,595	50	469	30	2,372	701
	2012	1,949	1,299	82	375	58	2,732	805
Venezuela(Bolivar. Rep.)	2009	66,362	*5,689	31,106	1,003	-94	40,036	1,401
	2010	61,933	*6,412	25,462	1,403	-1,319	42,799	1,474
	2011	64,624	*5,471	31,053	1,002	-51	38,091	1,291
	2012	62,414	*7,254	24,934	1,497	505	42,732	1,427
Asia	2009	1,511,376	407,277	425,457	130,332	-12,685	1,375,548	334
	2010	1,619,293	450,252	456,820	146,784	9,794	1,456,148	350
	2011	1,659,524	471,824	465,568	154,270	7,462	1,504,047	357
	2012	1,774,470	490,235	468,259	152,882	12,489	1,631,075	383
Afghanistan	2009	..	1,631	..	10	..	1,621	59
	2010	..	1,932	..	10	..	1,922	68
	2011	..	2,498	..	10	..	2,488	85
	2012	..	5,378	..	10	..	5,368	180
Armenia	2009	..	390	1	29	..	361	122
	2010	..	416	*1	*43	..	372	125
	2011	..	392	0	*44	..	349	118
	2012	..	384	0	*47	..	337	114
Azerbaijan	2009	5,801	38	2,390	373	15	3,061	341
	2010	6,318	27	2,770	465	-101	3,210	353
	2011	6,200	26	2,211	503	-21	3,534	384
	2012	6,056	44	1,795	457	32	3,815	410
Bahrain	2009	13,714	721	11,090	743	91	2,511	2,107
	2010	14,087	643	11,542	704	-9	2,493	1,992
	2011	13,721	669	11,228	659	-25	2,528	1,955
	2012	14,378	759	11,784	633	-161	2,881	2,186
Bangladesh	2009	978	2,700	93	330	143	3,112	21
	2010	1,392	3,516	136	368	812	3,592	24
	2011	1,476	3,417	133	422	-288	4,626	30
	2012	1,332	3,759	114	403	-274	4,848	31
Bhutan	2009	..	81	..	1	..	80	114
	2010	..	103	..	1	..	102	142
	2011	..	121	..	*1	..	120	165
	2012	..	138	..	2	..	137	184
Brunei Darussalam	2009	659	95	0	169	3	582	1,476
	2010	629	137	0	195	-3	574	1,433
	2011	588	255	25	205	-3	616	1,515
	2012	434	360	12	146	-6	642	1,557
Cambodia	2009	..	1,230	..	23	..	1,207	85
	2010	..	1,274	..	25	..	1,249	87
	2011	..	1,376	..	27	..	1,349	92
	2012	..	1,361	..	29	..	1,332	90

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
China	2009	332,694	39,473	26,788	6,199	9,094	330,086	244
	2010	402,647	56,692	30,546	13,669	5,913	409,211	301
	2011	416,262	62,158	30,690	14,779	6,520	426,431	312
	2012	494,856	59,861	28,402	14,855	11,651	499,810	363
China, Hong Kong SAR	2009	..	19,233	788	14,673	849	2,923	417
	2010	..	21,466	503	14,669	3,158	3,135	445
	2011	..	19,088	624	14,845	18	3,601	507
	2012	..	17,844	810	13,926	-143	3,251	455
China, Macao SAR	2009	..	426	..	..	4	422	809
	2010	..	288	..	..	-9	297	556
	2011	..	*338	..	..	0	*338	*618
	2012	..	*348	..	..	0	*348	*626
Cyprus	2009	..	2,908	..	484	-39	2,463	2,258
	2010	..	2,936	..	457	119	2,360	2,138
	2011	..	2,651	..	493	-124	2,282	2,044
	2012	..	2,618	..	461	30	2,127	1,884
Georgia	2009	13	1,039	5	57	0	990	225
	2010	0	1,075	5	64	0	1,007	229
	2011	0	987	1	35	14	938	214
	2012	0	1,036	3	*37	0	997	229
India	2009	198,239	13,849	49,869	4,719	-18,452	175,952	148
	2010	208,006	14,180	58,847	4,719	3,177	155,443	129
	2011	216,740	15,689	60,810	4,719	4,799	162,101	133
	2012	231,492	14,413	64,881	4,719	*4,714	171,591	139
Indonesia	2009	39,040	23,456	*1,457	314	-246	60,971	257
	2010	35,007	29,306	2,523	290	0	61,499	256
	2011	46,711	33,156	5,722	870	-69	73,344	301
	2012	46,773	37,531	4,927	924	36	78,417	318
Iran (Islamic Rep. of)	2009	99,830	9,405	15,243	3,252	..	90,740	1,234
	2010	99,837	6,811	17,291	3,611	..	85,746	1,152
	2011	101,536	1,809	18,538	3,434	..	81,374	1,079
	2012	102,747	742	12,828	3,091	..	87,571	1,146
Iraq	2009	23,134	2,011	1,419	..	..	23,726	787
	2010	26,765	2,108	250	..	..	28,623	924
	2011	28,778	8,975	57	1,070	-38	36,664	1,152
	2012	29,766	11,313	118	544	-143	40,560	1,237
Israel	2009	11,895	2,915	3,108	1,118	0	10,584	1,455
	2010	12,506	4,067	3,615	1,104	-45	11,899	1,604
	2011	12,032	4,881	4,492	1,128	-240	11,533	1,529
	2012	11,720	6,542	3,446	1,111	88	13,617	1,781
Japan	2009	184,627	39,515	16,931	9,532	-2,344	200,023	1,571
	2010	184,055	43,295	17,101	9,753	720	199,776	1,569
	2011	174,387	47,821	13,545	9,832	-291	199,122	1,564
	2012	173,507	49,924	12,685	10,058	1,552	199,136	1,565
Jordan	2009	3,566	885	0	143	-16	4,325	700
	2010	3,375	1,594	105	138	68	4,658	722
	2011	3,197	2,725	0	121	-187	5,987	890
	2012	3,514	3,598	0	147	176	6,789	969
Kazakhstan	2009	13,098	1,728	6,132	181	-77	8,590	546
	2010	14,782	1,754	6,892	203	243	9,198	578
	2011	15,179	1,442	6,001	177	-406	10,849	674
	2012	15,096	2,591	6,532	197	291	10,667	656

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Korea, Dem.Ppl's.Rep.	2009	501	324	..	..	..	825	34
	2010	510	309	..	..	..	819	33
	2011	508	335	..	..	..	843	34
	2012	508	300	..	..	..	808	33
Korea, Republic of	2009	123,768	30,247	43,070	11,725	-147	99,367	2,063
	2010	126,493	31,527	44,523	12,625	740	100,132	2,067
	2011	135,451	31,381	53,274	12,414	248	100,896	2,070
	2012	138,924	35,812	57,053	12,187	-314	105,810	2,159
Kuwait	2009	46,051	..	27,566	1,150	279	17,056	5,984
	2010	48,622	..	31,008	1,254	-506	16,866	5,638
	2011	47,198	..	30,101	1,740	-408	15,765	5,045
	2012	48,820	..	29,564	1,905	-105	17,456	5,370
Kyrgyzstan	2009	97	1,688	371	331	-5	1,088	207
	2010	97	1,268	99	269	28	969	182
	2011	90	1,267	103	51	-58	1,261	233
	2012	81	1,733	80	51	80	1,603	293
Lao People's Dem. Rep.	2009	..	*139	..	..	..	*139	*22
	2010	..	*135	..	..	..	*135	*21
	2011	..	*149	..	..	..	*149	*23
	2012	..	*150	..	..	..	*150	*23
Lebanon	2009	..	6,098	..	199	..	5,899	1,389
	2010	..	5,693	..	247	..	5,446	1,255
	2011	..	5,873	..	251	..	5,622	1,255
	2012	..	6,621	..	234	..	6,387	1,374
Malaysia	2009	26,791	*8,659	*7,540	*1,481	*415	26,014	936
	2010	24,248	*12,074	*8,899	*1,675	*-467	26,214	927
	2011	25,713	12,473	8,967	1,933	-736	28,022	974
	2012	27,501	12,922	13,104	1,765	-915	26,470	905
Maldives	2009	..	349	..	*36	..	312	977
	2010	..	352	..	*39	..	313	961
	2011	..	381	..	*42	..	339	1,021
	2012	..	482	..	*47	..	435	1,286
Mongolia	2009	..	762	..	..	..	762	285
	2010	..	808	..	..	..	808	298
	2011	..	993	..	..	..	993	361
	2012	..	*1,114	..	..	..	*1,114	*398
Myanmar	2009	722	431	..	19	83	1,051	20
	2010	898	228	..	21	-165	1,270	24
	2011	909	225	..	21	-70	1,183	23
	2012	749	1,293	..	36	-24	2,030	38
Nepal	2009	..	917	..	64	..	853	32
	2010	..	1,005	..	79	..	926	34
	2011	..	1,034	..	*89	..	945	35
	2012	..	1,158	..	*94	..	1,064	39
Oman	2009	10,498	249	4,055	429	5	6,258	2,350
	2010	8,338	406	1,698	628	-161	6,579	2,347
	2011	10,506	323	2,308	532	-37	8,026	2,653
	2012	10,487	317	1,872	426	42	8,464	2,554
Other Asia	2009	47,924	13,251	18,441	3,391	-226	39,569	1,714
	2010	44,667	16,529	15,526	3,747	-38	41,961	1,813
	2011	41,945	14,022	13,150	3,593	-401	39,625	1,707
	2012	46,042	12,779	16,127	3,250	421	39,023	1,677

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Pakistan	2009	9,920	11,246	1,450	409	182	19,125	112
	2010	9,755	12,431	1,573	335	-8	20,286	117
	2011	9,153	11,587	872	300	-65	19,633	111
	2012	*10,524	*10,720	*824	*287	*-175	*20,308	*113
Philippines	2009	6,815	7,271	731	1,195	166	11,994	131
	2010	8,423	6,886	966	1,193	64	13,086	140
	2011	8,909	5,696	1,147	1,307	-170	12,322	130
	2012	7,954	6,958	650	1,285	75	12,902	133
Qatar	2009	14,576	690	9,650	945	-265	4,936	3,156
	2010	23,219	530	17,505	1,102	72	5,070	2,898
	2011	24,423	89	19,474	1,454	-162	3,746	1,960
	2012	26,084	0	20,909	1,797	-301	3,679	1,794
Saudi Arabia	2009	133,378	10,617	60,608	4,533	-1,944	80,798	3,015
	2010	136,858	9,408	59,684	4,676	-2,504	84,410	3,097
	2011	137,095	10,127	51,489	4,840	2,059	88,834	3,200
	2012	144,697	16,579	60,859	5,031	-748	96,134	3,398
Singapore	2009	43,611	90,059	80,814	40,784	1,534	10,538	2,123
	2010	49,945	98,870	85,040	45,780	-750	18,745	3,691
	2011	51,732	104,332	91,294	48,913	-869	16,725	3,221
	2012	52,611	96,984	80,084	49,113	-1,681	22,079	4,163
Sri Lanka	2009	1,911	2,171	0	234	-62	3,910	190
	2010	1,664	2,479	27	394	-235	3,957	191
	2011	1,740	2,823	63	599	-221	4,123	197
	2012	1,495	3,432	0	659	34	4,234	201
State of Palestine	2009	..	690	0	..	0	689	176
	2010	..	676	0	..	0	676	168
	2011	..	755	0	..	0	755	183
	2012	..	723	0	..	0	723	171
Syrian Arab Republic	2009	11,615	5,307	1,446	1,113	-524	14,887	708
	2010	12,053	4,953	1,780	1,113	679	13,434	624
	2011	11,810	3,877	1,789	967	0	12,931	593
	2012	8,391	2,865	847	511	0	9,898	452
Tajikistan	2009	33	534	18	27	..	522	70
	2010	38	564	19	29	..	554	73
	2011	35	492	19	31	..	477	61
	2012	37	654	21	33	..	637	80
Thailand	2009	43,010	441	10,740	..	492	32,219	486
	2010	44,004	184	10,830	..	285	33,073	498
	2011	42,575	1,875	9,710	..	*-18	34,758	522
	2012	44,991	2,356	10,551	..	*758	36,038	540
Timor-Leste	2009	..	*60	..	..	..	*60	*56
	2010	..	*60	..	..	..	*60	*56
	2011	..	*60	..	..	..	*60	*55
	2012	..	*60	..	..	..	*60	*54
Turkey	2009	18,784	18,116	4,730	1,662	-444	30,952	434
	2010	20,510	18,343	6,357	1,555	278	30,663	425
	2011	22,991	17,989	7,365	1,285	-61	32,391	443
	2012	23,913	20,197	7,626	1,190	567	34,727	469
Turkmenistan	2009	7,764	..	2,545	480	..	4,739	952
	2010	8,748	..	2,943	530	..	5,275	1,046
	2011	8,728	..	2,673	480	..	5,575	1,092
	2012	8,409	..	2,141	415	..	5,853	1,131

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
United Arab Emirates	2009	25,928	15,803	13,169	16,757	..	11,805	1,529
	2010	26,883	16,253	13,346	17,801	..	11,989	1,420
	2011	28,771	17,195	14,774	18,855	..	12,337	1,382
	2012	28,834	18,058	14,688	19,542	..	12,662	1,375
Uzbekistan	2009	4,371	..	277	..	..	4,094	149
	2010	3,883	..	239	..	..	3,644	131
	2011	3,583	..	224	..	..	3,359	119
	2012	3,204	..	211	..	..	2,993	105
Viet Nam	2009	1,785	13,776	1,779	783	-1,250	14,249	162
	2010	6,000	10,633	1,499	977	-1,562	15,719	177
	2011	6,076	11,811	1,593	1,038	-1,227	16,483	183
	2012	6,692	10,394	1,677	1,093	-3,068	17,384	191
Yemen	2009	4,234	3,653	1,143	236	..	6,508	293
	2010	4,033	4,030	1,132	225	..	6,706	295
	2011	2,777	4,184	1,102	163	..	5,696	244
	2012	1,850	5,028	1,036	134	..	5,708	239
Europe	2009	983,848	353,412	425,881	103,910	-906	808,375	1,094
	2010	987,308	366,075	443,032	105,780	-1,760	806,332	1,089
	2011	983,127	370,576	445,990	108,888	-2,269	801,094	1,081
	2012	976,936	365,801	468,608	103,353	-3,123	773,900	1,043
Albania	2009	339	1,015	24	19	69	1,242	394
	2010	158	1,083	4	22	0	1,215	386
	2011	297	1,050	70	20	33	1,223	388
	2012	111	977	17	20	0	1,051	332
Andorra	2009	..	168	..	0	..	168	2,141
	2010	..	169	..	0	..	169	2,165
	2011	..	160	..	0	..	160	2,052
	2012	..	*160	..	0	..	*160	*2,039
Austria	2009	9,032	6,459	2,238	616	46	12,591	1,504
	2010	8,265	7,249	2,258	667	-223	12,812	1,525
	2011	9,080	6,280	2,265	704	133	12,258	1,454
	2012	9,091	6,161	2,500	675	-24	12,101	1,430
Belarus	2009	21,310	2,498	15,198	..	-387	8,997	944
	2010	16,220	1,524	11,062	..	16	6,666	702
	2011	20,187	4,144	15,599	..	-267	8,999	952
	2012	21,375	6,561	17,652	..	62	10,222	1,087
Belgium	2009	34,942	22,832	22,890	9,167	-132	25,849	2,380
	2010	35,507	22,998	23,411	9,417	458	25,219	2,305
	2011	33,945	23,831	23,750	8,471	102	25,453	2,313
	2012	35,809	22,515	26,170	7,610	-115	24,659	2,230
Bosnia and Herzegovina	2009	1,040	821	169	5	..	1,687	438
	2010	1,161	749	215	5	..	1,690	439
	2011	1,260	759	270	5	..	1,744	454
	2012	1,079	714	203	5	..	1,585	413
Bulgaria	2009	6,428	1,586	3,151	355	176	4,332	582
	2010	5,970	2,261	3,555	261	108	4,307	583
	2011	5,999	2,321	3,539	241	34	4,506	614
	2012	6,425	2,204	4,129	223	-60	4,337	596
Croatia	2009	4,940	1,199	1,866	50	-165	4,388	1,009
	2010	4,332	1,326	1,926	60	54	3,618	834
	2011	3,672	1,633	1,572	77	-132	3,788	876
	2012	3,749	1,641	1,558	66	4	3,762	873

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Czech Republic	2009	7,955	3,031	1,136	329	-7	9,528	909
	2010	8,522	2,733	1,614	303	-14	9,352	886
	2011	7,810	3,178	1,573	300	-41	9,156	863
	2012	7,988	2,967	1,685	284	-38	9,024	847
Denmark	2009	7,535	5,262	4,955	1,274	226	6,342	1,148
	2010	7,027	6,739	5,377	1,488	275	6,626	1,194
	2011	6,730	6,444	5,904	1,519	-682	6,433	1,154
	2012	7,677	6,262	6,494	1,337	-219	6,327	1,130
Estonia	2009	..	1,234	3	262	54	915	702
	2010	..	1,150	3	262	-34	919	708
	2011	..	1,152	10	227	4	911	704
	2012	..	2,272	888	447	2	935	724
Faeroe Islands	2009	..	*220	..	33	..	*187	*3,772
	2010	..	*235	..	31	..	*205	*4,125
	2011	..	*218	..	34	..	*184	*3,713
	2012	..	*223	..	30	..	*193	*3,900
Finland	2009	15,192	5,046	6,490	749	420	12,579	2,354
	2010	14,242	4,819	6,717	737	-810	12,417	2,313
	2011	15,209	5,518	7,184	820	191	12,532	2,325
	2012	14,781	4,779	7,597	720	-414	11,657	2,155
France	2009	82,583	39,180	25,131	7,728	-182	89,086	1,416
	2010	76,061	40,587	22,788	7,755	-296	86,401	1,366
	2011	76,653	40,566	22,673	8,214	134	86,198	1,355
	2012	65,741	43,226	19,891	7,917	-867	82,026	1,282
Germany	2009	116,029	32,919	22,389	10,777	512	115,270	1,386
	2010	110,816	35,567	17,949	10,724	436	117,274	1,413
	2011	109,259	32,981	18,035	10,395	-748	114,558	1,382
	2012	110,194	32,241	18,688	10,702	-310	113,355	1,369
Gibraltar	2009	..	2,656	..	2,483	..	173	5,911
	2010	..	2,706	..	2,532	..	174	5,948
	2011	..	2,871	..	2,701	..	170	5,810
	2012	..	2,896	..	2,723	..	173	5,908
Greece	2009	21,379	9,842	7,767	3,528	-268	20,194	1,820
	2010	22,338	6,696	8,652	3,477	-147	17,052	1,535
	2011	19,370	8,156	8,865	3,580	-407	15,488	1,393
	2012	24,033	7,105	12,127	2,977	113	15,921	1,431
Hungary	2009	8,391	2,313	2,309	230	-48	8,213	819
	2010	9,350	2,654	2,809	229	1	8,965	895
	2011	9,088	2,223	2,968	232	-56	8,167	817
	2012	8,549	2,084	2,867	167	-12	7,611	763
Iceland	2009	..	1,180	12	161	20	987	3,145
	2010	..	1,086	0	178	-30	938	2,949
	2011	..	1,130	0	197	4	929	2,885
	2012	..	686	0	199	5	482	1,479
Ireland	2009	2,833	5,901	974	652	57	7,051	1,599
	2010	2,996	5,768	1,374	785	-235	6,840	1,531
	2011	2,991	5,472	1,590	753	104	6,016	1,330
	2012	3,087	5,200	1,755	647	86	5,799	1,267
Italy	2009	89,348	18,078	26,376	5,363	-1,252	76,939	1,277
	2010	93,473	18,387	29,305	6,180	480	75,895	1,254
	2011	88,985	17,713	26,626	5,761	529	73,782	1,214
	2012	84,850	16,586	28,981	5,590	-73	66,938	1,099

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Latvia	2009	..	1,985	260	378	-2	1,349	639
	2010	..	1,904	257	370	-98	1,375	658
	2011	..	2,069	454	332	30	1,253	604
	2012	..	2,131	511	359	28	1,233	598
Lithuania	2009	8,646	607	6,670	165	-122	2,540	819
	2010	9,196	887	7,287	192	70	2,534	826
	2011	9,376	1,087	7,736	200	-44	2,571	845
	2012	8,977	1,396	7,593	186	-86	2,680	885
Luxembourg	2009	..	2,749	16	408	2	2,323	4,664
	2010	..	2,853	10	419	-17	2,441	4,806
	2011	..	2,924	7	392	-11	2,536	4,911
	2012	..	2,847	7	361	13	2,466	4,708
Malta	2009	..	2,047	9	1,248	0	790	1,868
	2010	..	2,468	16	1,608	-18	862	2,029
	2011	..	2,205	4	1,350	4	847	1,987
	2012	..	2,100	8	1,394	19	679	1,587
Montenegro	2009	..	342	12	2	..	328	530
	2010	..	331	17	2	..	312	503
	2011	..	316	15	10	..	291	469
	2012	..	294	12	12	..	270	435
Netherlands	2009	61,419	76,818	88,517	17,942	302	31,476	1,901
	2010	62,798	84,831	99,649	17,569	-1,140	31,551	1,899
	2011	60,939	85,379	98,173	18,753	-1,173	30,565	1,834
	2012	61,002	90,483	101,823	17,230	778	31,654	1,894
Norway	2009	24,047	4,851	15,370	843	-90	12,775	2,642
	2010	22,429	4,556	12,449	811	-274	13,999	2,862
	2011	24,343	4,341	15,673	794	257	11,960	2,419
	2012	24,299	4,320	14,777	722	181	12,939	2,591
Poland	2009	23,231	6,795	2,526	724	363	26,413	692
	2010	24,804	5,884	3,350	716	-50	26,672	698
	2011	26,540	5,857	4,596	658	-73	27,216	712
	2012	27,563	4,910	5,785	670	-116	26,134	684
Portugal	2009	11,564	4,857	2,301	1,291	41	12,788	1,209
	2010	12,277	3,848	2,828	1,331	-176	12,142	1,147
	2011	11,163	4,315	2,856	1,472	9	11,141	1,051
	2012	11,803	3,144	3,703	1,527	98	9,619	907
Republic of Moldova	2009	21	708	15	*14	31	669	186
	2010	21	722	14	*13	-36	752	210
	2011	19	803	15	*13	10	784	221
	2012	18	745	25	*15	-10	733	209
Romania	2009	12,679	1,664	4,136	142	159	9,906	452
	2010	11,531	2,200	3,455	157	181	9,938	455
	2011	10,924	2,384	3,631	135	-283	9,825	451
	2012	10,280	2,726	3,306	129	-217	9,788	450
Russian Federation	2009	227,927	806	102,523	5,704	-494	121,000	842
	2010	244,619	2,972	112,380	7,619	907	126,685	882
	2011	248,339	4,345	104,118	9,312	523	138,731	967
	2012	253,725	1,852	106,958	8,227	294	140,098	979
Serbia	2009	2,905	1,153	344	40	-148	3,822	394
	2010	2,920	1,280	377	41	61	3,721	386
	2011	2,509	1,535	340	46	0	3,658	381
	2012	2,298	1,377	349	41	41	3,244	340

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Slovakia	2009	6,769	1,283	3,806	44	-56	4,258	785
	2010	6,489	1,357	3,438	40	-49	4,417	813
	2011	7,082	1,296	3,923	42	19	4,394	808
	2012	6,201	1,262	3,506	36	20	3,901	716
Slovenia	2009	7	3,053	478	60	8	2,514	1,230
	2010	19	3,269	685	46	-20	2,577	1,254
	2011	0	3,308	713	56	-9	2,548	1,236
	2012	1	3,489	817	74	124	2,475	1,197
Spain	2009	58,573	29,735	11,089	12,044	-474	65,649	1,435
	2010	59,436	28,069	11,579	11,594	267	64,065	1,387
	2011	58,749	27,196	13,054	12,380	98	60,413	1,299
	2012	63,890	20,040	19,539	12,134	-1,583	53,840	1,152
Sweden	2009	20,738	7,577	11,923	2,878	548	12,966	1,393
	2010	21,283	7,977	12,663	2,688	-824	14,733	1,570
	2011	20,214	8,314	11,474	2,490	-309	14,873	1,574
	2012	22,105	6,821	13,379	2,422	-501	13,626	1,433
Switzerland	2009	4,825	8,344	512	1,316	113	11,228	1,443
	2010	4,525	7,299	408	1,377	-15	10,054	1,278
	2011	4,419	7,056	441	1,477	-159	9,716	1,222
	2012	3,439	8,260	309	1,501	159	9,730	1,211
T.F.Yug.Rep. Macedonia	2009	964	373	355	3	33	947	451
	2010	828	404	330	7	-9	904	430
	2011	680	642	384	4	-8	943	448
	2012	244	942	232	2	29	923	438
Ukraine	2009	11,662	5,344	2,808	235	-1	13,964	302
	2010	11,103	5,994	3,798	267	-15	13,047	283
	2011	9,353	7,595	4,183	240	-32	12,557	274
	2012	4,968	8,180	1,663	298	-169	11,356	249
United Kingdom	2009	78,595	28,881	29,133	14,648	-257	63,952	1,036
	2010	76,592	30,484	29,023	13,800	-544	64,797	1,044
	2011	77,943	29,809	31,707	14,481	-53	61,617	987
	2012	71,585	31,022	31,104	13,674	-365	58,194	927
Oceania	2009	39,442	20,836	3,322	5,146	409	51,400	1,425
	2010	38,399	20,770	3,125	5,364	-245	50,925	1,389
	2011	40,275	19,835	3,156	5,323	30	51,602	1,386
	2012	38,395	22,891	3,332	5,403	19	52,531	1,391
Australia	2009	33,567	15,712	3,078	3,796	443	41,962	1,904
	2010	32,204	15,960	2,983	3,898	-179	41,462	1,851
	2011	33,844	14,959	2,857	3,841	-113	42,218	1,857
	2012	31,668	18,101	3,041	3,839	32	42,857	1,859
Cook Islands	2009	..	*25	..	*2	..	*23	*1,141
	2010	..	*25	..	*2	..	*23	*1,134
	2011	..	*25	..	*2	..	*23	*1,127
	2012	..	*25	..	*2	..	*23	*1,121
Fiji	2009	..	472	*33	*173	0	267	313
	2010	..	678	*23	*243	0	413	480
	2011	..	*646	*11	*243	0	*392	*452
	2012	..	*627	*11	*243	0	*374	*427
French Polynesia	2009	..	343	..	*50	..	293	1,103
	2010	..	342	..	*50	..	292	1,090
	2011	..	328	..	*47	..	281	1,038
	2012	..	321	..	*45	..	275	1,006

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Kiribati	2009	..	*14	..	*2	..	*13	*130
	2010	..	*24	..	*4	..	*20	*208
	2011	..	*24	..	*4	..	*20	*199
	2012	..	*24	..	*4	..	*20	*198
Marshall Islands	2009	..	*33	..	..	..	*33	*630
	2010	..	*34	..	..	..	*34	*645
	2011	..	*34	..	..	..	*34	*645
	2012	..	*34	..	..	..	*34	*644
Micronesia(Fed. States of)	2009	..	56	..	*1	..	55	529
	2010	..	40	..	*1	..	39	380
	2011	..	*43	..	*1	..	*43	*411
	2012	..	*47	..	*1	..	*47	*451
Nauru	2009	..	*19	..	*1	*1	*17	*1,700
	2010	..	19	..	*1	0	18	1,781
	2011	..	*18	..	*1	0	*17	*1,698
	2012	..	*19	..	*1	0	*17	*1,722
New Caledonia	2009	..	710	*5	0	..	705	2,901
	2010	..	756	*2	*5	..	749	3,039
	2011	..	767	0	*5	..	763	3,053
	2012	..	776	0	*5	..	771	3,044
New Zealand	2009	5,112	2,383	206	1,028	-40	6,301	1,458
	2010	5,305	1,913	117	1,061	-87	6,127	1,403
	2011	5,526	1,943	288	1,074	158	5,949	1,348
	2012	5,751	1,868	280	1,143	4	6,192	1,388
Niue	2009	..	*3	..	0	..	*2	*1,582
	2010	..	*3	..	0	..	*2	*1,632
	2011	..	*3	..	0	..	*2	*1,688
	2012	..	*3	..	0	..	*2	*1,740
Palau	2009	..	*85	..	*16	..	*69	*3,392
	2010	..	*88	..	*16	..	*72	*3,508
	2011	..	*91	..	*17	..	*74	*3,567
	2012	..	*91	..	*17	..	*74	*3,541
Papua New Guinea	2009	763	752	0	*72	5	1,438	215
	2010	890	659	0	*75	20	1,454	212
	2011	905	711	0	*79	-16	1,553	221
	2012	976	*711	0	*93	-17	1,611	225
Samoa	2009	..	*67	..	..	*1	*66	*356
	2010	..	*69	..	..	1	*68	*365
	2011	..	76	..	..	0	76	408
	2012	..	*81	..	..	0	*81	*427
Solomon Islands	2009	..	*68	..	*4	..	*64	*124
	2010	..	*69	..	*4	..	*65	*123
	2011	..	*70	..	*4	..	*65	*122
	2012	..	*70	..	*5	..	*66	*120
Tonga	2009	..	*46	..	*1	..	*44	*426
	2010	..	41	..	*4	..	38	365
	2011	..	39	..	*4	..	35	334
	2012	..	42	..	*4	..	38	359
Vanuatu	2009	..	40	..	..	0	40	174
	2010	..	41	..	..	0	41	172
	2011	..	49	..	..	0	48	200
	2012	..	43	..	..	0	43	175

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Wallis and Futuna Is.	2009	..	9	..	1	..	8	619
	2010	..	9	..	1	..	8	625
	2011	..	9	..	1	..	9	635
	2012	..	9	..	1	..	8	610

Table 26

Production of natural gas liquids – by end use

Thousand metric tons

Table Notes

Production refers to production of natural gas liquids.

End-use products refers to the output of natural gas liquids plants, arranged by product. **Net trade** refers to imports minus exports. **Inputs of NGLs to refineries** refers to quantities of natural gas liquids that are transformed in oil refineries. Data may not add up due to statistical differences or the presence of other natural gas liquid flows such as stock changes, transfers or energy industries own use.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification.

Figure 66: Natural gas liquids production by region, 1990-2012

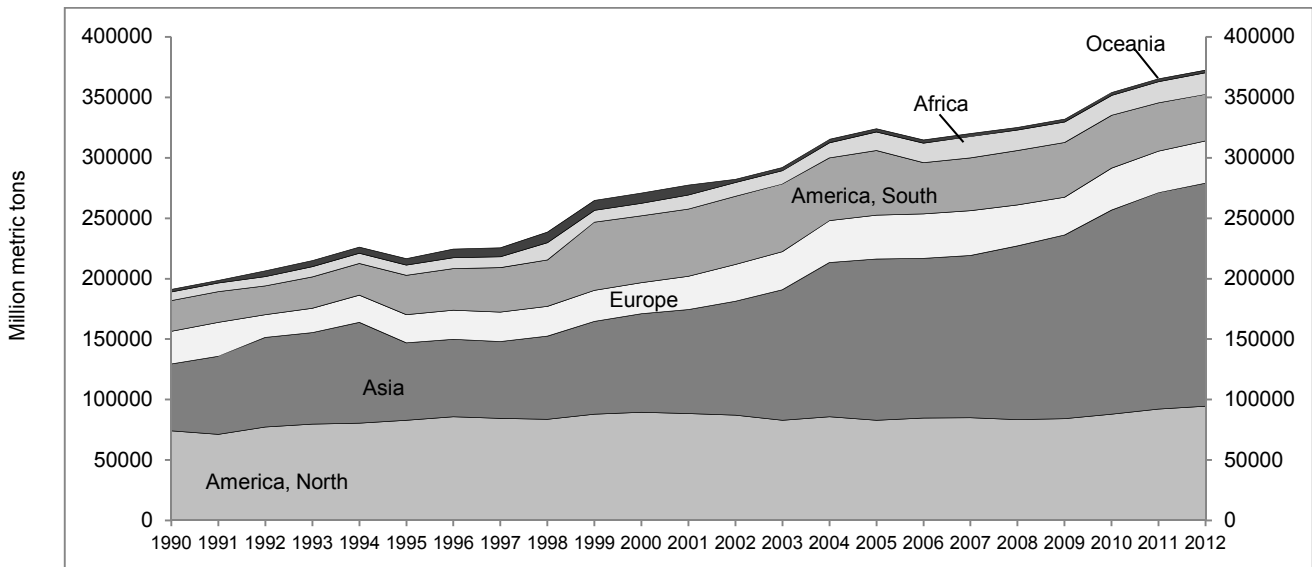


Figure 67: World natural gas liquids production by type, 2012

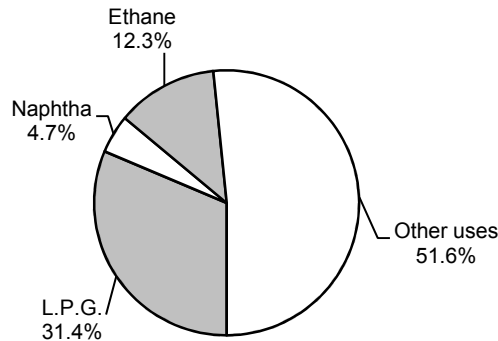


Table 26

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			L.P.G.	Naphthas	Ethane	Other products		
World	2009	331,793	102,158	15,508	38,553	5,247	-39,385	100,979
	2010	353,979	109,415	15,468	43,218	6,132	-49,574	100,731
	2011	365,205	114,918	15,178	45,393	3,571	-55,351	103,409
	2012	372,518	116,804	17,542	45,916	4,096	-61,688	96,650
Africa	2009	45,298	10,682	1,464	50	..	-26,289	6,560
	2010	43,557	9,944	1,484	17	..	-22,082	9,844
	2011	39,794	9,912	630	0	..	-19,769	9,465
	2012	38,386	9,513	701	27	..	-22,464	5,524
Algeria	2009	20,623	8,297	257	50	..	-10,531	1,306
	2010	18,734	7,593	229	17	..	-6,080	4,657
	2011	17,746	7,497	196	0	..	-5,946	4,146
	2012	16,474	6,959	166	27	..	-5,105	4,118
Angola	2009	624	624	..	..	..	..	..
	2010	547	547	..	..	..	..	..
	2011	564	564	..	..	..	..	..
	2012	575	575	..	..	..	..	..
Congo	2009	287	..	..	..	..	-287	20
	2010	284	..	..	..	..	-280	19
	2011	308	..	..	..	..	-265	17
	2012	446	..	..	..	..	-421	25
Côte d'Ivoire	2009	..	..	..	..	..	..	..
	2010	..	..	..	..	..	..	..
	2011	..	..	..	..	..	..	..
	2012	12	12	..	..	..	..	..
Egypt	2009	6,448	1,300	..	..	..	..	5,087
	2010	6,402	1,374	..	..	..	..	5,028
	2011	6,464	1,475	..	..	..	..	5,002
	2012	2,077	1,481	..	..	..	..	571
Libya	2009	6,405	373	1,207	..	..	-4,825	..
	2010	6,226	314	1,255	..	..	-4,657	..
	2011	1,817	250	434	..	..	-1,133	..
	2012	4,622	353	535	..	..	-3,734	..
Morocco	2009	..	..	..	..	..	..	..
	2010	..	..	..	..	..	..	..
	2011	56	..	..	..	..	104	160
	2012	75	..	..	..	..	637	712
South Africa	2009	147	..	..	..	..	..	147
	2010	140	..	..	..	..	..	140
	2011	140	..	..	..	..	..	140
	2012	98	..	..	..	..	..	98
Tunisia	2009	118	88	..	..	..	0	..
	2010	172	116	..	..	..	-13	..
	2011	195	126	..	..	..	-25	..
	2012	226	133	..	..	..	-60	..
America, North	2009	84,235	24,661	..	19,146	3,914	-8,731	15,947
	2010	88,031	25,013	..	20,716	4,427	-8,909	16,493
	2011	92,222	27,737	..	22,367	2,054	-10,440	20,063
	2012	94,577	26,493	..	22,693	2,581	-13,664	18,192
Barbados	2009	1	1	..	..	..	..	..
	2010	0	0	..	..	..	..	..
	2011	0	0	..	..	..	..	..
	2012	0	0	..	..	..	..	..

Table 26

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			L.P.G.	Naphthas	Ethane	Other products		
Belize	2009	*2	*2	..	..	..	..	..
	2010	2	2	..	..	..	..	..
	2011	*2	*2	..	..	..	..	..
	2012	*2	*2	..	..	..	..	..
Canada	2009	19,540	..	..	..	..	-9,407	1,941
	2010	18,880	..	..	..	..	-8,240	2,103
	2011	19,101	..	..	..	..	-9,237	1,591
	2012	19,054	..	..	..	..	-8,996	1,938
Mexico	2009	10,520	5,658	..	2,508	2,354	..	..
	2010	10,730	5,776	..	2,483	2,471	..	..
	2011	10,927	5,810	..	2,505	0	..	2,583
	2012	10,398	5,305	..	2,402	0	..	2,817
Trinidad and Tobago	2009	1,493	894	..	..	648	..	..
	2010	1,617	955	..	..	720	..	..
	2011	1,506	892	..	..	667	..	..
	2012	1,210	696	..	..	565	..	..
United States	2009	52,679	18,106	..	16,638	912	676	14,006
	2010	56,802	18,280	..	18,233	1,236	-669	14,390
	2011	60,686	21,033	..	19,862	1,387	-1,203	15,889
	2012	63,913	20,490	..	20,291	2,016	-4,668	13,437
America, South	2009	16,932	8,501	..	1,066	1,121	..	3,887
	2010	16,579	8,666	..	1,018	1,234	..	3,644
	2011	17,572	9,258	..	1,019	1,226	..	2,607
	2012	17,873	10,002	..	1,048	1,385	..	1,887
Argentina	2009	3,510	2,186	..	1,066	258	..	..
	2010	3,603	2,153	..	1,018	268	..	82
	2011	3,004	1,521	..	1,019	292	..	82
	2012	3,162	1,778	..	1,048	177	..	69
Bolivia (Plur. State of)	2009	258	258	..	..	..	..	..
	2010	252	252	..	..	..	..	..
	2011	242	242	..	..	..	..	..
	2012	243	243	..	..	..	..	..
Brazil	2009	3,374	747	..	..	755	..	..
	2010	3,402	966	..	..	875	..	..
	2011	4,658	821	..	..	828	..	..
	2012	5,251	934	..	..	1,087	..	..
Chile	2009	466	..	..	..	..	..	..
	2010	344	..	..	..	..	..	..
	2011	316	..	..	..	..	..	..
	2012	199	..	..	..	..	..	..
Colombia	2009	61	0	..	..	61	..	..
	2010	44	0	..	..	44	..	..
	2011	115	*39	..	..	*62	..	..
	2012	*115	*39	..	..	76	..	..
Ecuador	2009	114	67	..	..	47	..	..
	2010	117	70	..	..	47	..	..
	2011	119	75	..	..	44	..	..
	2012	124	79	..	..	45	..	..
Peru	2009	1,125	1,106	..	..	0	..	..
	2010	1,265	1,235	..	..	0	..	..
	2011	1,252	1,219	..	..	0	..	..
	2012	1,364	1,332	..	..	0	..	..

Table 26

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			L.P.G.	Naphthas	Ethane	Other products		
Venezuela(Bolivar. Rep.)	2009	8,024	4,137	..	..	..	..	3,887
	2010	7,552	3,990	..	..	..	..	3,562
	2011	7,866	5,341	..	..	..	..	2,525
	2012	7,415	5,597	..	..	..	..	1,818
Asia	2009	151,970	49,180	11,826	15,808	150	-13,198	50,620
	2010	168,747	57,315	11,860	19,205	140	-24,093	46,119
	2011	178,964	59,457	12,463	19,726	134	-31,112	45,967
	2012	184,491	62,618	14,422	19,676	130	-32,189	44,988
Azerbaijan	2009	2,086	..	..	..	..	..	2,062
	2010	2,317	..	..	..	..	-1,848	409
	2011	2,245	..	..	..	..	-1,760	421
	2012	2,411	..	..	..	..	-2,028	332
Bahrain	2009	364	160	204	..	..	..	..
	2010	383	167	216	..	..	..	..
	2011	398	176	222	..	..	..	..
	2012	387	172	215	..	..	..	..
Bangladesh	2009	221	4	..	..	79	..	138
	2010	240	4	..	..	79	-85	72
	2011	237	6	..	..	82	-39	110
	2012	234	8	..	..	86	-11	129
Brunei Darussalam	2009	653	15	..	..	..	-445	193
	2010	520	14	..	..	..	-365	138
	2011	544	15	..	..	..	-402	125
	2012	572	16	..	..	..	-420	144
India	2009	4,842	2,249	..	..	..	..	..
	2010	4,504	2,167	..	..	..	..	..
	2011	4,641	2,214	..	..	..	..	..
	2012	4,517	2,130	..	..	..	..	..
Indonesia	2009	6,134	1,425	..	..	..	-4,182	527
	2010	4,340	1,825	..	..	..	*-2,493	*22
	2011	*4,500	1,581	..	..	..	*-2,693	*26
	2012	*4,666	1,831	..	..	..	*-2,909	*31
Iran(Islamic Rep. of)	2009	16,357	1,648	..	4,095	..	-6,984	..
	2010	18,014	1,724	..	5,180	..	-8,802	..
	2011	18,417	1,823	..	5,180	..	-8,889	..
	2012	18,234	1,794	..	4,220	..	-8,492	..
Iraq	2009	1,329	1,003	..	..	..	..	..
	2010	1,449	1,081	..	..	..	..	..
	2011	1,426	1,111	..	..	..	..	315
	2012	1,434	1,117	..	..	..	..	317
Japan	2009	434	..	..	..	..	9,843	9,864
	2010	400	..	..	..	..	9,622	9,552
	2011	386	..	..	..	..	8,817	8,853
	2012	342	..	..	..	..	8,443	8,412
Kazakhstan	2009	12,128	1,039	..	..	..	*-11,638	*16
	2010	11,600	1,277	..	..	..	*-11,131	*15
	2011	12,296	1,217	..	..	..	*-12,000	*15
	2012	12,749	1,234	..	..	..	*-12,000	*15
Kuwait	2009	4,602	3,312	..	1,290	..	..	..
	2010	5,889	3,954	..	1,935	..	..	..
	2011	6,224	4,289	..	1,935	..	..	..
	2012	6,692	4,757	..	1,935	..	..	..

Table 26

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			L.P.G.	Naphthas	Ethane	Other products		
Malaysia	2009	1,358	1,358	..	..	..	..
	2010	2,528	2,528	..	..	..	..
	2011	2,434	2,434	..	..	..	..
	2012	2,080	2,080	..	..	..	..
Myanmar	2009	8	4	..	..	4	..	
	2010	8	4	..	..	4	..	
	2011	8	7	..	..	4	4	
	2012	8	8	..	..	4	2	
Oman	2009	110	249	..	..	..	..
	2010	66	251	..	..	..	..
	2011	251	251	..	..	..	..
	2012	251	251	..	..	..	..
Pakistan	2009	298	298	..	..	..	..
	2010	253	253	..	..	..	..
	2011	217	217	..	..	..	..
	2012	*218	*184	..	..	..	..
Qatar	2009	24,675	6,005	200	1,032	..	-13,761	3,877
	2010	32,278	8,391	224	1,029	..	-13,223	9,635
	2011	37,533	10,017	471	1,023	..	-17,385	9,108
	2012	39,701	10,463	1,118	1,025	..	-18,625	9,588
Saudi Arabia	2009	48,996	21,805	8,761	8,684	..	-1,045	8,701
	2010	54,108	23,720	8,932	10,400	..	-1,348	9,708
	2011	56,080	24,974	9,233	10,914	..	-1,524	9,435
	2012	58,716	26,828	10,455	11,796	..	-1,019	8,618
Singapore	2009	..	..	..	..	..	14,376	*14,376
	2010	..	..	..	..	..	4,819	*4,819
	2011	..	..	..	..	..	*4,819	*4,819
	2012	..	..	..	..	..	*4,819	*4,819
Syrian Arab Republic	2009	332	332	..	..	..	..	..
	2010	332	332	..	..	..	..	..
	2011	323	323	..	..	..	..	..
	2012	238	238	..	..	..	..	..
Thailand	2009	6,820	2,877	..	..	..	1,163	..
	2010	8,942	4,472	..	..	..	1,232	..
	2011	*8,942	3,427	..	..	..	*428	..
	2012	*8,942	*3,822	..	..	..	*508	..
Turkmenistan	2009	446	234	..	..	..	..	212
	2010	530	278	..	..	..	..	252
	2011	775	548	..	..	..	..	227
	2012	808	614	..	..	..	..	194
United Arab Emirates	2009	18,258	4,236	2,661	707	..	..	10,654
	2010	18,606	3,960	2,488	661	..	..	11,497
	2011	19,761	4,037	2,537	674	..	..	12,513
	2012	19,914	4,191	2,634	700	..	..	12,389
Viet Nam	2009	325	258	..	..	67	..	..
	2010	299	242	..	..	57	..	..
	2011	305	257	..	..	48	..	..
	2012	310	270	..	..	40	..	..
Yemen	2009	669	669	..	..	..	..	..
	2010	670	670	..	..	..	..	..
	2011	533	533	..	..	..	..	..
	2012	610	610	..	..	..	..	..

Table 26

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			L.P.G.	Naphthas	Ethane	Other products		
Europe	2009	31,121	7,223	2,218	2,152	62	8,833	23,965
	2010	34,670	6,547	2,124	1,938	331	5,513	24,631
	2011	34,353	6,570	2,085	1,981	157	5,984	25,307
	2012	34,964	6,287	2,419	2,149	0	6,636	26,059
Austria	2009	131	..	..	..	..	0	93
	2010	134	..	..	..	..	0	89
	2011	120	..	..	..	..	113	194
	2012	80	..	..	..	..	44	124
Belgium	2009	..	..	..	..	..	..	..
	2010	..	..	..	..	..	47	57
	2011	..	..	..	..	..	115	114
	2012	..	..	..	..	..	..	1
Croatia	2009	140	59	..	50	..	..	31
	2010	124	56	..	45	..	..	23
	2011	104	52	..	29	..	..	23
	2012	65	42	..	0	..	..	23
Finland	2009	..	..	..	..	..	625	1,014
	2010	..	..	..	..	..	442	690
	2011	..	..	..	..	..	568	740
	2012	..	..	..	..	..	845	863
France	2009	33	..	..	..	..	35	35
	2010	29	..	..	..	..	0	0
	2011	28	..	..	..	..	0	0
	2012	27	..	..	..	..	0	0
Hungary	2009	405	281	..	..	..	100	218
	2010	342	258	..	..	..	94	169
	2011	287	226	..	..	..	93	146
	2012	309	208	..	..	..	110	185
Ireland	2009	..	..	..	..	..	..	..
	2010	..	..	..	..	..	..	..
	2011	..	..	..	..	..	45	..
	2012	..	..	..	..	..	50	..
Netherlands	2009	392	..	..	..	62	9,868	5,929
	2010	394	..	..	..	331	8,911	4,493
	2011	379	..	..	..	157	7,918	4,175
	2012	356	..	..	..	0	7,793	4,192
Norway	2009	8,924	5,743	2,218	963	..	..	..
	2010	8,194	5,182	2,124	888	..	..	..
	2011	8,477	5,274	2,085	1,118	..	..	..
	2012	9,082	5,297	2,419	1,366	..	..	..
Romania	2009	112	..	..	..	..	..	110
	2010	119	..	..	..	..	..	108
	2011	147	..	..	..	..	..	150
	2012	122	..	..	..	..	..	114
Russian Federation	2009	14,538	..	..	..	..	..	14,538
	2010	19,415	..	..	..	..	-2,684	16,731
	2011	20,451	..	..	..	..	-2,631	17,825
	2012	21,322	..	..	..	..	-2,409	18,892
Serbia	2009	8	..	..	..	..	-1	7
	2010	14	..	..	..	..	-1	14
	2011	31	..	..	..	..	8	39
	2012	34	..	..	..	..	5	39

Table 26

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			L.P.G.	Naphthas	Ethane	Other products		
Slovakia	2009	3	..	..	..	..	..	3
	2010	3	..	..	..	..	..	3
	2011	3	..	..	..	..	..	3
	2012	4	..	..	..	..	..	4
Ukraine	2009	1,057	..	..	..	..	1	1,059
	2010	987	..	..	..	..	23	908
	2011	925	..	..	..	..	0	873
	2012	1,055	..	..	..	..	25	872
United Kingdom	2009	5,378	1,140	..	1,139	..	-1,795	928
	2010	4,915	1,051	..	1,005	..	-1,319	1,346
	2011	3,401	1,018	..	834	..	-245	1,025
	2012	2,508	740	..	783	..	173	750
Oceania	2009	2,237	1,911	..	331	0	0	..
	2010	2,395	1,930	..	324	0	-4	..
	2011	2,300	1,984	..	300	0	-14	..
	2012	2,227	1,891	..	323	0	-7	..
Australia	2009	2,157	1,840	..	331	0	..	..
	2010	2,239	1,781	..	324	0	..	..
	2011	2,136	1,836	..	300	0	..	..
	2012	2,048	1,725	..	323	0	..	..
New Zealand	2009	80	71	..	..	..	0	..
	2010	156	149	..	..	..	-4	..
	2011	164	148	..	..	..	-14	..
	2012	179	166	..	..	..	-7	..

Production, trade and supply of natural gas

Terajoules

Table Notes

Production

Production includes quantities from other sources, which would include any quantities of biogas, LPG or manufactured gas blended with natural gas.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification.

Figure 68: Production of natural gas by region, 1990-2012

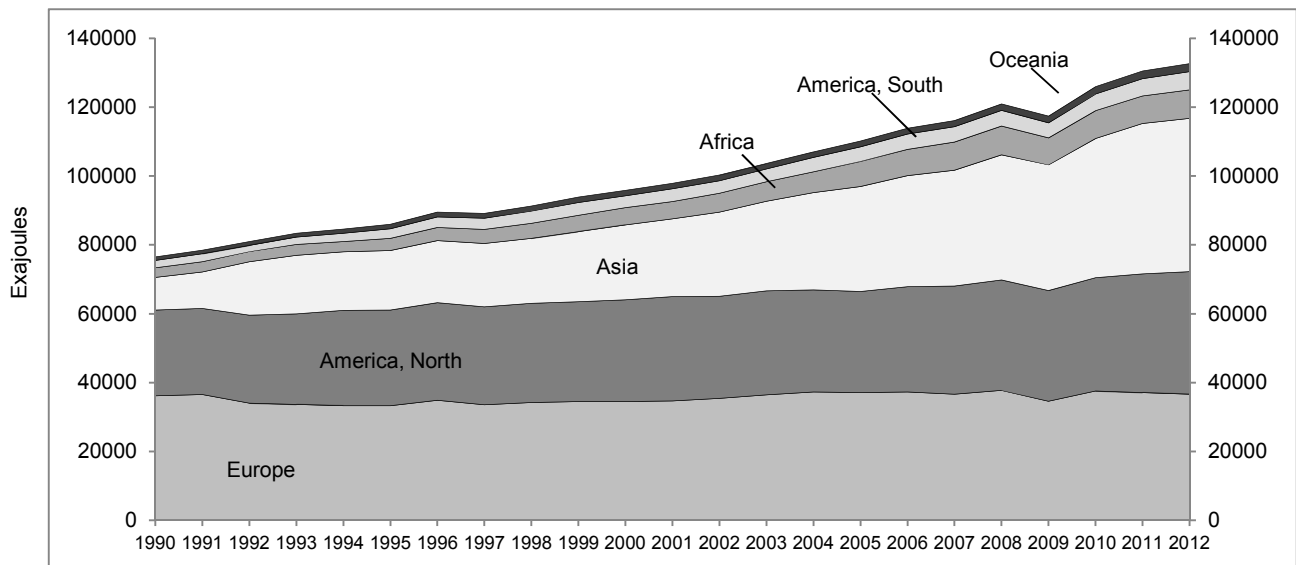


Figure 69: Major natural gas producing countries, 2012

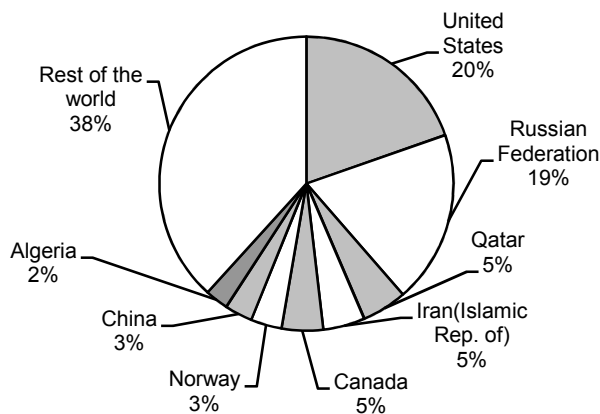


Figure 70: Major natural gas consuming countries, 2012

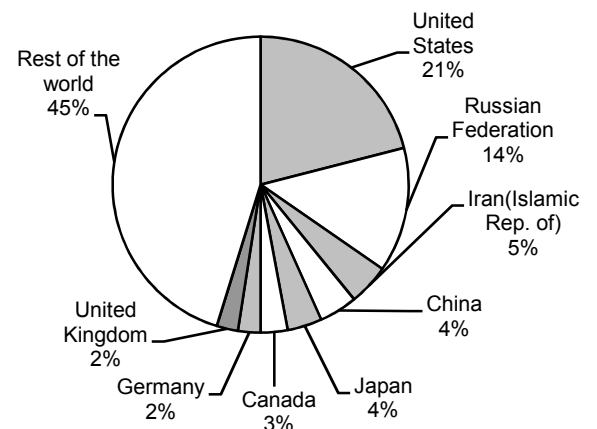


Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2009	117,364,958	34,299,657	33,949,893	416,110	117,298,611	17,164
	2010	125,911,472	37,690,493	37,618,903	-904,534	126,887,597	18,348
	2011	130,506,749	39,519,369	39,505,028	840,093	129,680,997	18,533
	2012	132,644,665	39,262,093	39,916,314	-162,378	132,152,822	18,667
Africa	2009	7,834,568	199,721	4,083,510	..	3,950,779	3,931
	2010	8,099,478	256,020	4,270,073	..	4,085,425	3,965
	2011	8,001,665	283,644	3,774,823	..	4,510,486	4,270
	2012	8,275,204	321,138	3,858,562	..	4,737,779	4,376
Algeria	2009	3,299,215	..	2,183,127	..	1,116,088	30,676
	2010	3,348,647	..	2,263,580	..	1,085,067	29,276
	2011	3,238,208	..	2,084,958	..	1,153,250	30,539
	2012	3,374,117	..	2,070,772	..	1,303,345	33,869
Angola	2009	26,220	..	..	..	26,220	1,385
	2010	27,854	..	..	..	27,854	1,425
	2011	28,576	..	..	..	28,576	1,416
	2012	28,880	..	..	..	28,880	1,387
Cameroon	2009	11,965	..	..	..	11,965	595
	2010	12,070	..	..	..	12,070	585
	2011	12,565	..	..	..	12,565	594
	2012	13,141	..	..	..	13,141	606
Congo	2009	2,125	..	..	..	2,125	532
	2010	3,923	..	..	..	3,923	954
	2011	5,734	..	..	..	5,734	1,357
	2012	5,955	..	..	..	5,955	1,373
Côte d'Ivoire	2009	56,594	..	..	..	56,594	3,042
	2010	61,712	..	..	..	61,712	3,252
	2011	60,836	..	..	..	60,836	3,138
	2012	66,359	..	..	..	66,359	3,345
Dem. Rep. of the Congo	2009	331	..	..	..	331	5
	2010	331	..	..	..	331	5
	2011	331	..	..	..	331	5
	2012	331	..	..	..	331	5
Egypt	2009	2,358,964	..	696,350	..	1,662,614	21,656
	2010	2,158,923	..	493,038	..	1,665,885	21,337
	2011	2,210,762	..	326,726	..	1,884,036	23,731
	2012	2,124,400	..	235,503	..	1,888,897	23,400
Equatorial Guinea	2009	244,487	..	184,062	..	60,425	89,274
	2010	255,046	..	193,430	..	61,616	88,507
	2011	*334,839	..	*256,290	..	*78,549	*109,706
	2012	*268,344	..	*184,417	..	*83,926	*113,985
Gabon	2009	9,338	..	..	..	9,338	6,147
	2010	12,496	..	..	..	12,496	8,030
	2011	14,068	..	..	..	14,068	8,825
	2012	14,469	..	..	..	14,469	8,863
Gambia	2009	..	102	..	..	102	63
	2010	..	*102	..	..	*102	*61
	2011	..	*102	..	..	*102	*59
	2012	..	*102	..	..	*102	*57
Ghana	2009	..	209	..	..	209	9
	2010	..	16,476	..	..	16,476	679
	2011	..	32,203	..	..	32,203	1,297
	2012	..	16,344	..	..	16,344	644

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Guinea	2009	3	..	..	..	3	0
	2010	3	..	..	..	3	0
	2011	3	..	..	..	3	0
	2012	*3	..	..	..	*3	0
Libya	2009	604,200	..	348,460	..	255,740	42,878
	2010	638,780	..	372,400	..	266,380	44,098
	2011	298,680	..	91,960	..	206,720	33,871
	2012	463,600	..	245,860	..	217,740	35,378
Morocco	2009	1,724	22,818	..	..	24,542	785
	2010	2,088	24,403	..	..	26,491	837
	2011	2,343	31,203	..	..	33,546	1,046
	2012	2,511	45,986	..	..	48,497	1,491
Mozambique	2009	113,996	..	110,967	..	3,029	130
	2010	124,783	..	121,627	..	3,156	132
	2011	130,866	..	127,161	..	3,705	151
	2012	146,793	..	143,301	..	3,492	139
Nigeria	2009	927,544	..	560,544	..	367,000	2,362
	2010	1,236,538	..	825,957	..	410,581	2,571
	2011	1,456,954	..	887,711	..	569,243	3,467
	2012	1,565,634	..	978,696	..	586,938	3,476
Rwanda	2009	26	..	..	..	26	2
	2010	23	..	..	..	23	2
	2011	*23	..	..	..	*23	*2
	2012	*23	..	..	..	*23	*2
Senegal	2009	677	..	..	..	677	54
	2010	847	..	..	..	847	65
	2011	1,352	..	..	..	1,352	101
	2012	1,382	..	..	..	1,382	101
South Africa	2009	46,925	96,140	..	..	143,065	2,811
	2010	58,640	121,627	41	..	180,226	3,503
	2011	51,745	127,161	17	..	178,889	3,444
	2012	44,468	143,301	13	..	187,756	3,584
Tunisia	2009	104,963	80,452	..	..	185,415	17,640
	2010	126,860	93,412	..	..	220,272	20,718
	2011	120,733	92,975	..	..	213,708	19,874
	2012	116,996	115,405	..	..	232,401	21,370
United Rep. of Tanzania	2009	25,271	..	..	..	25,271	579
	2010	29,915	..	..	..	29,915	665
	2011	33,047	..	..	..	33,047	713
	2012	37,799	..	..	..	37,799	791
America, North	2009	32,136,748	5,354,311	5,641,912	99,174	31,749,973	58,468
	2010	32,922,281	5,559,152	5,746,059	-318,099	33,053,474	60,243
	2011	34,520,640	5,717,148	5,941,625	298,375	33,997,788	61,341
	2012	35,643,337	5,538,535	5,921,686	-78,636	35,338,822	63,130
Barbados	2009	687	..	..	..	687	2,462
	2010	630	..	..	..	630	2,247
	2011	644	..	..	..	644	2,284
	2012	737	..	..	..	737	2,602
Belize	2009	..	..	..	..	..	..
	2010	280	..	..	..	280	907
	2011	*280	..	..	..	*280	*885
	2012	*280	..	..	..	*280	*864

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Canada	2009	6,302,202	752,753	3,660,092	-212,330	3,607,193	106,872
	2010	6,160,446	873,198	3,682,104	-309,601	3,661,141	107,282
	2011	6,158,962	1,208,073	3,575,422	-97,339	3,888,952	112,764
	2012	6,045,377	1,213,081	3,420,358	-46,647	3,884,747	111,509
Cuba	2009	45,068	..	..	..	45,068	3,992
	2010	41,868	..	..	..	41,868	3,711
	2011	39,801	..	..	..	39,801	3,530
	2012	40,387	..	..	..	40,387	3,583
Dominican Republic	2009	..	21,799	..	1,000	20,799	2,104
	2010	..	33,926	..	322	33,605	3,355
	2011	..	37,601	..	-647	38,249	3,769
	2012	..	47,515	..	1,564	45,952	4,471
Mexico	2009	1,814,986	501,423	27,336	3,206	2,285,867	19,634
	2010	1,979,386	578,624	34,234	15,546	2,508,230	21,277
	2011	1,975,835	691,868	9,740	10,637	2,647,326	22,179
	2012	1,904,015	865,987	3,180	19,508	2,747,314	22,734
Puerto Rico	2009	..	29,527	..	..	29,527	7,940
	2010	..	30,003	..	..	30,003	8,088
	2011	..	29,266	..	..	29,266	7,907
	2012	..	*29,266	..	..	*29,266	*7,922
Trinidad and Tobago	2009	1,602,101	..	808,508	..	793,593	600,062
	2010	1,666,021	..	813,092	..	852,929	642,220
	2011	1,587,551	..	745,882	..	841,669	631,371
	2012	1,596,523	..	772,604	..	823,919	616,042
United States	2009	22,371,704	4,048,809	1,145,976	307,298	24,967,239	80,672
	2010	23,073,650	4,043,400	1,216,629	-24,366	25,924,787	83,027
	2011	24,757,567	3,750,340	1,610,581	385,724	26,511,602	84,187
	2012	26,056,018	3,382,686	1,725,544	-53,061	27,766,221	87,451
America, South	2009	4,413,468	559,933	483,205	-664	4,490,861	11,521
	2010	4,792,421	868,920	625,707	4,005	5,031,628	12,770
	2011	5,034,536	923,428	818,186	8,192	5,131,587	12,885
	2012	5,243,410	1,101,195	880,294	1,712	5,462,598	13,572
Argentina	2009	1,729,199	96,366	36,768	..	1,788,797	44,694
	2010	1,645,453	139,777	18,133	..	1,767,097	43,768
	2011	1,623,757	266,132	7,795	..	1,882,094	46,210
	2012	1,589,406	353,589	4,081	..	1,938,914	47,191
Bolivia (Plur. State of)	2009	491,489	..	382,216	0	109,273	10,935
	2010	574,209	..	452,892	0	121,317	11,945
	2011	623,529	..	490,116	7,916	125,497	12,155
	2012	709,802	..	568,814	0	140,988	13,432
Brazil	2009	471,307	323,991	..	..	795,298	4,110
	2010	580,681	489,800	..	..	1,070,481	5,484
	2011	620,321	405,917	..	..	1,026,238	5,211
	2012	705,582	510,593	..	..	1,216,175	6,122
Chile	2009	75,499	56,980	..	-704	133,183	7,838
	2010	72,549	139,900	..	3,966	208,483	12,156
	2011	62,245	154,754	..	235	216,764	12,524
	2012	48,825	153,170	..	1,671	200,324	11,470
Colombia	2009	413,714	..	64,221	..	349,493	7,630
	2010	438,457	..	55,616	..	382,841	8,243
	2011	425,642	..	73,428	..	352,214	7,481
	2012	435,443	..	67,045	..	368,398	7,723

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Ecuador	2009	17,799	..	..	..	17,799	1,206
	2010	19,706	..	..	..	19,706	1,314
	2011	17,414	..	..	..	17,414	1,142
	2012	22,847	..	..	..	22,847	1,475
Peru	2009	190,834	..	0	..	190,834	6,595
	2010	354,751	..	99,066	..	255,685	8,738
	2011	547,034	..	246,847	..	300,187	10,136
	2012	557,881	..	240,354	..	317,527	10,589
Suriname	2009	224	..	..	40	185	355
	2010	222	..	..	39	183	348
	2011	212	..	..	41	172	324
	2012	217	..	..	41	175	328
Uruguay	2009	..	2,712	..	..	2,712	807
	2010	..	2,695	..	..	2,695	799
	2011	..	2,983	..	..	2,983	882
	2012	..	2,184	..	..	2,184	643
Venezuela(Bolivar. Rep.)	2009	1,023,403	79,884	..	..	1,103,287	38,599
	2010	1,106,393	96,748	..	..	1,203,141	41,426
	2011	1,114,382	93,642	..	..	1,208,024	40,949
	2012	1,173,407	81,659	..	..	1,255,066	41,899
Asia	2009	36,510,227	9,538,997	8,925,499	37,405	37,086,320	9,000
	2010	40,382,090	11,125,921	10,771,879	47,201	40,688,930	9,768
	2011	43,618,583	12,801,813	12,489,962	-4,534	43,934,968	10,436
	2012	44,471,349	13,266,137	12,302,398	-74,378	45,509,466	10,697
Afghanistan	2009	5,541	..	..	..	5,541	200
	2010	5,541	..	..	..	5,541	195
	2011	6,282	..	..	..	6,282	216
	2012	6,243	..	..	..	6,243	209
Armenia	2009	..	65,601	1,192	0	64,409	21,700
	2010	..	*63,761	0	*3,698	*60,063	*20,268
	2011	..	80,469	4,143	0	76,325	25,750
	2012	..	95,532	2,710	0	92,822	31,263
Azerbaijan	2009	634,884	..	228,449	24,492	381,943	42,503
	2010	650,779	..	241,672	43,876	365,231	40,159
	2011	638,553	..	266,272	-14,452	386,733	42,025
	2012	673,082	..	258,460	11,484	403,138	43,306
Bahrain	2009	467,581	..	..	-4,529	472,110	396,219
	2010	487,790	..	..	0	487,790	389,760
	2011	486,975	..	..	-44	487,019	376,727
	2012	490,930	..	..	-1	490,931	372,531
Bangladesh	2009	712,953	..	..	-7,566	720,519	4,819
	2010	773,612	..	..	-34,261	807,873	5,346
	2011	779,190	..	..	-26,812	806,002	5,273
	2012	817,789	..	..	-35,548	853,337	5,516
Brunei Darussalam	2009	486,450	..	372,663	0	113,787	288,507
	2010	477,733	..	353,186	0	124,547	310,925
	2011	497,813	..	350,476	-838	148,175	364,503
	2012	488,733	..	342,130	472	146,131	354,482
China	2009	3,178,278	283,176	119,232	..	3,342,222	2,473
	2010	3,534,036	614,537	150,158	..	3,998,415	2,940
	2011	3,826,192	1,161,703	118,785	..	4,869,111	3,558
	2012	4,053,762	1,568,254	107,681	..	5,514,335	4,004

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
China, Hong Kong SAR	2009	..	96,017	..	-9,173	105,190	15,012
	2010	..	119,324	..	-12,359	131,683	18,680
	2011	..	*95,031	..	*-9,843	*104,874	*14,779
	2012	..	*87,507	..	*-9,064	*96,571	*13,509
China, Macao SAR	2009	..	3,643	..	0	3,643	6,984
	2010	..	6,029	..	0	6,029	11,277
	2011	..	2,888	..	0	2,888	5,286
	2012	..	0	..	0	0	0
Georgia	2009	476	46,049	..	0	46,525	10,571
	2010	316	42,412	..	0	42,728	9,736
	2011	226	68,006	..	208	68,024	15,551
	2012	211	75,779	..	0	75,989	17,436
India	2009	1,853,341	..	..	..	1,853,341	1,557
	2010	2,037,638	..	..	..	2,037,638	1,690
	2011	1,857,361	..	..	..	1,857,361	1,521
	2012	1,587,335	..	..	..	1,587,335	1,284
Indonesia	2009	2,711,004	..	1,399,023	..	1,311,981	5,524
	2010	3,140,796	..	1,642,022	..	1,498,774	6,227
	2011	3,305,194	..	1,647,351	..	1,657,843	6,800
	2012	3,130,119	..	1,502,600	..	1,627,519	6,593
Iran(Islamic Rep. of)	2009	5,364,880	225,893	264,757	..	5,326,015	72,420
	2010	5,615,668	351,072	331,327	..	5,635,413	75,681
	2011	5,870,514	460,877	369,763	..	5,961,628	79,041
	2012	6,102,416	182,111	364,105	..	5,920,422	77,468
Iraq	2009	339,516	..	..	..	339,516	11,256
	2010	301,176	..	..	..	301,176	9,727
	2011	232,893	..	..	..	232,893	7,315
	2012	229,187	..	..	..	229,187	6,992
Israel	2009	100,849	58,150	..	..	158,999	21,859
	2010	124,307	80,719	..	..	205,026	27,630
	2011	163,871	26,945	..	..	190,816	25,299
	2012	95,536	2,303	..	..	97,839	12,800
Japan	2009	223,534	3,621,889	..	24,574	3,820,849	30,002
	2010	216,619	3,852,397	..	-815	4,069,831	31,957
	2011	219,921	4,546,554	..	39,541	4,726,934	37,127
	2012	213,530	4,747,801	..	-9,610	4,970,941	39,064
Jordan	2009	7,532	136,011	..	..	143,542	23,222
	2010	6,345	100,125	..	..	106,470	16,495
	2011	6,229	34,369	..	..	40,598	6,031
	2012	5,624	25,032	..	..	30,657	4,374
Kazakhstan	2009	1,402,493	84,069	258,345	-11,024	1,239,241	78,714
	2010	1,459,620	137,089	243,105	543	1,353,061	84,985
	2011	1,542,539	176,296	237,129	-19,411	1,501,117	93,249
	2012	1,572,507	169,698	418,484	-4,917	1,328,638	81,656
Korea, Republic of	2009	31,297	1,405,435	..	-48,961	1,485,693	30,846
	2010	39,509	1,827,793	..	53,006	1,814,296	37,444
	2011	42,306	1,949,271	..	33,503	1,958,074	40,180
	2012	44,215	1,993,500	..	-80,728	2,118,443	43,231
Kuwait	2009	456,049	33,877	..	..	489,926	171,898
	2010	466,236	105,640	..	..	571,876	191,162
	2011	536,445	131,480	..	..	667,925	213,756
	2012	605,324	100,700	..	..	706,024	217,205

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Kyrgyzstan	2009	588	12,038	..	..	12,626	2,398
	2010	872	10,602	..	..	11,474	2,151
	2011	1,038	11,905	..	..	12,943	2,395
	2012	1,132	15,452	..	..	16,584	3,029
Lebanon	2009	..	1,931	..	..	1,931	455
	2010	..	9,867	..	..	9,867	2,273
	2011	..	0	..	..	0	0
	2012	..	0	..	..	0	0
Malaysia	2009	2,155,814	211,651	1,037,122	..	1,330,343	47,871
	2010	2,128,013	*231,231	*1,123,165	..	1,236,079	43,715
	2011	2,197,136	292,189	1,172,400	..	1,316,925	45,792
	2012	2,145,053	329,325	1,126,849	..	1,347,529	46,085
Myanmar	2009	485,464	..	375,260	..	110,204	2,138
	2010	497,353	..	413,187	..	84,166	1,621
	2011	513,425	..	401,710	..	111,715	2,134
	2012	511,997	..	398,273	..	113,724	2,154
Oman	2009	957,495	..	450,681	..	506,814	190,301
	2010	1,048,845	7,865	371,458	..	685,252	244,491
	2011	1,109,734	1,280	252,891	..	858,123	283,698
	2012	1,159,400	20	189,014	..	970,405	292,820
Other Asia	2009	13,066	480,365	..	42,080	451,351	19,556
	2010	11,037	602,086	..	-5,023	618,146	26,707
	2011	12,302	662,617	..	22,420	652,499	28,112
	2012	14,806	629,062	..	27,671	616,197	26,478
Pakistan	2009	1,361,910	..	..	173	1,361,737	8,006
	2010	1,355,455	..	..	750	1,354,705	7,824
	2011	1,416,147	..	..	285	1,415,862	8,037
	2012	*1,421,196	..	..	-370	*1,421,566	*7,935
Philippines	2009	152,517	..	..	..	152,517	1,660
	2010	143,652	..	..	..	143,652	1,537
	2011	155,101	..	..	..	155,101	1,632
	2012	152,307	..	..	..	152,307	1,575
Qatar	2009	3,700,699	..	2,791,405	..	909,294	581,360
	2010	4,991,505	..	3,906,084	..	1,085,421	620,342
	2011	6,259,605	..	4,904,096	..	1,355,509	709,356
	2012	6,572,435	..	4,912,283	..	1,660,152	809,627
Saudi Arabia	2009	2,431,209	..	..	..	2,431,209	90,729
	2010	2,786,667	..	..	..	2,786,667	102,232
	2011	2,838,272	..	..	..	2,838,272	102,237
	2012	3,081,609	..	..	..	3,081,609	108,938
Singapore	2009	..	309,652	..	..	309,652	62,376
	2010	..	335,507	..	..	335,507	66,058
	2011	..	339,131	..	..	339,131	65,316
	2012	..	368,321	..	..	368,321	69,452
Syrian Arab Republic	2009	233,363	34,307	..	..	267,670	12,727
	2010	337,038	26,013	..	..	363,051	16,860
	2011	296,699	9,425	..	..	306,124	14,040
	2012	216,775	0	..	..	216,775	9,903
Tajikistan	2009	756	8,246	..	..	9,002	1,209
	2010	866	6,612	..	..	7,478	980
	2011	703	6,840	..	..	7,543	965
	2012	422	5,054	..	..	5,476	684

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Thailand	2009	1,064,620	392,052	..	..	1,456,672	21,978
	2010	1,169,540	476,667	..	..	1,646,207	24,791
	2011	*1,193,224	374,269	..	..	*1,567,493	*23,544
	2012	*1,332,995	383,142	..	..	*1,716,137	*25,696
Turkey	2009	26,224	1,373,446	27,139	27,339	1,345,192	18,882
	2010	26,134	1,456,993	24,846	-2,214	1,460,495	20,246
	2011	29,096	1,680,569	27,353	-29,091	1,711,403	23,425
	2012	24,223	1,759,024	23,591	26,233	1,733,423	23,426
Turkmenistan	2009	1,445,465	..	744,226	..	701,239	140,840
	2010	1,716,372	..	909,668	..	806,704	159,997
	2011	2,508,631	..	1,620,432	..	888,199	173,929
	2012	2,616,235	..	1,700,139	..	916,096	177,094
United Arab Emirates	2009	1,838,735	655,500	264,130	..	2,230,105	288,937
	2010	1,932,933	661,580	297,664	..	2,296,849	272,089
	2011	1,970,612	689,700	299,925	..	2,360,387	264,466
	2012	2,045,970	728,520	286,360	..	2,488,130	270,283
Uzbekistan	2009	2,320,622	..	574,393	..	1,746,229	63,748
	2010	2,271,497	..	544,162	..	1,727,335	62,203
	2011	2,382,219	..	453,468	..	1,928,751	68,513
	2012	2,377,306	..	385,448	..	1,991,858	69,788
Viet Nam	2009	312,558	..	0	..	312,558	3,544
	2010	366,875	..	0	..	366,875	4,120
	2011	330,898	..	0	..	330,898	3,680
	2012	365,041	..	0	..	365,041	4,020
Yemen	2009	32,464	..	17,481	..	14,983	674
	2010	259,715	..	220,175	..	39,540	1,737
	2011	391,237	..	363,768	..	27,469	1,179
	2012	315,903	..	284,271	..	31,632	1,326
Europe	2009	34,574,474	18,388,202	13,977,470	276,116	38,709,090	52,375
	2010	37,564,272	19,654,753	15,233,276	-643,534	42,629,283	57,580
	2011	37,081,292	19,532,291	15,394,775	534,780	40,684,028	54,881
	2012	36,627,995	18,802,639	15,905,913	-9,131	39,533,852	53,280
Albania	2009	342	..	..	..	342	109
	2010	538	..	..	..	538	171
	2011	627	..	..	..	627	199
	2012	614	..	..	..	614	194
Austria	2009	66,848	442,252	144,413	17,164	347,523	41,512
	2010	69,128	478,940	194,495	-28,562	382,135	45,482
	2011	67,812	516,114	142,287	79,448	362,191	42,950
	2012	72,778	541,064	243,427	25,489	344,926	40,752
Belarus	2009	7,918	680,404	..	4,828	683,494	71,752
	2010	8,226	833,077	..	-3,051	844,354	88,963
	2011	8,574	772,363	..	-18,500	799,437	84,593
	2012	8,420	782,173	..	2,626	787,967	83,781
Belgium	2009	..	836,911	140,866	-6,954	702,999	64,718
	2010	..	909,253	128,123	-9,652	790,782	72,275
	2011	..	876,039	168,533	3,680	703,826	63,946
	2012	..	869,853	210,819	-9,272	668,306	60,425
Bosnia and Herzegovina	2009	..	8,849	..	..	8,849	2,296
	2010	..	9,283	..	..	9,283	2,414
	2011	..	10,564	..	..	10,564	2,752
	2012	..	9,730	..	..	9,730	2,538

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Bulgaria	2009	609	99,130	..	-778	100,517	13,499
	2010	2,749	99,133	..	-5,131	107,013	14,482
	2011	16,316	105,337	..	-707	122,360	16,686
	2012	14,341	95,029	..	-4,658	114,028	15,668
Croatia	2009	102,181	39,448	30,407	-578	111,800	25,702
	2010	103,028	40,407	18,288	2,690	122,457	28,229
	2011	93,364	33,097	9,769	-2,875	119,567	27,653
	2012	76,050	51,291	9,701	5,376	112,264	26,063
Czech Republic	2009	8,453	330,292	1,067	21,144	316,534	30,185
	2010	9,382	324,541	6,063	-47,535	375,395	35,570
	2011	8,811	355,528	6,378	41,199	316,762	29,852
	2012	9,951	284,123	284	-25,156	318,946	29,920
Denmark	2009	349,900	..	166,516	2,165	181,219	32,803
	2010	341,583	6,328	146,899	-4,699	205,711	37,059
	2011	274,344	34,614	130,057	6,382	172,519	30,944
	2012	241,727	36,502	124,354	-8,221	162,096	28,957
Estonia	2009	..	24,429	..	..	24,429	18,749
	2010	..	26,168	..	..	26,168	20,152
	2011	..	23,413	..	..	23,413	18,087
	2012	..	25,372	..	..	25,372	19,656
Finland	2009	..	162,080	..	..	162,080	30,330
	2010	..	178,520	..	..	178,520	33,258
	2011	3	156,304	..	..	156,307	29,004
	2012	18	139,801	..	..	139,819	25,852
France	2009	35,516	1,894,275	89,626	50,922	1,789,243	28,435
	2010	30,044	1,959,008	118,983	-108,882	1,978,951	31,279
	2011	23,523	1,937,315	156,859	80,792	1,723,187	27,086
	2012	21,021	1,970,780	253,152	-39,363	1,778,012	27,793
Germany	2009	605,516	3,417,555	515,811	123,790	3,383,470	40,675
	2010	516,989	3,665,881	798,158	-146,383	3,531,095	42,534
	2011	506,740	3,495,078	686,337	77,877	3,237,604	39,058
	2012	445,142	3,446,585	663,468	-19,736	3,247,995	39,227
Greece	2009	545	137,835	..	169	138,211	12,454
	2010	354	150,292	..	177	150,469	13,544
	2011	299	184,847	..	357	184,789	16,620
	2012	321	170,908	..	868	170,361	15,314
Hungary	2009	106,405	367,843	3,283	45,219	425,746	42,443
	2010	103,967	368,092	8,668	6,774	456,617	45,595
	2011	98,402	306,979	21,661	-51,425	435,145	43,531
	2012	82,252	313,776	32,128	-22,492	386,392	38,731
Ireland	2009	11,842	186,662	..	895	197,609	44,805
	2010	10,850	208,403	..	1,418	217,835	48,759
	2011	7,930	183,928	..	389	191,469	42,334
	2012	8,534	178,557	..	340	186,751	40,812
Italy	2009	305,293	2,638,433	4,764	-33,755	2,972,717	49,339
	2010	320,268	2,870,987	5,372	19,887	3,165,996	52,296
	2011	321,905	2,681,059	4,726	29,604	2,968,634	48,858
	2012	327,851	2,580,323	5,296	48,615	2,854,263	46,856
Latvia	2009	..	65,117	..	8,028	57,089	27,026
	2010	..	42,014	..	-25,993	68,007	32,531
	2011	..	65,579	..	5,642	59,937	28,908
	2012	..	64,115	..	7,772	56,343	27,345

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Liechtenstein	2009	..	*1,141	..	..	*1,141	*31,826
	2010	..	*1,201	..	..	*1,201	*33,261
	2011	..	*1,063	..	..	*1,063	*29,202
	2012	..	*1,081	..	..	*1,081	*29,499
Lithuania	2009	..	101,846	..	372	101,474	32,713
	2010	..	115,577	..	-335	115,912	37,775
	2011	..	126,778	..	335	126,443	41,539
	2012	..	123,540	..	74	123,466	40,780
Luxembourg	2009	0	51,752	..	..	51,752	103,895
	2010	0	55,665	..	..	55,665	109,602
	2011	30	48,021	..	..	48,051	93,059
	2012	169	48,895	..	..	49,064	93,679
Netherlands	2009	2,629,648	855,399	1,854,073	-1,302	1,632,276	98,560
	2010	2,955,606	858,439	1,984,740	669	1,828,636	110,058
	2011	2,691,352	767,094	1,862,051	52	1,596,343	95,783
	2012	2,683,486	869,745	2,013,979	3,963	1,535,289	91,856
Norway	2009	4,218,715	..	3,963,230	-1,151	256,636	53,072
	2010	4,257,291	..	3,967,519	-1,627	291,399	59,576
	2011	4,014,133	..	3,784,457	1,250	228,426	46,205
	2012	4,520,244	..	4,327,389	-788	193,643	38,776
Poland	2009	171,089	379,452	1,554	-12,154	561,141	14,692
	2010	171,797	414,583	1,752	-11,048	595,676	15,594
	2011	179,095	449,540	1,099	30,387	597,149	15,630
	2012	178,056	467,218	119	12,436	632,719	16,559
Portugal	2009	..	198,472	..	2,287	196,185	18,542
	2010	..	209,571	..	765	208,806	19,718
	2011	..	210,887	..	3,238	207,649	19,594
	2012	..	182,460	..	-486	182,946	17,253
Republic of Moldova	2009	8	38,134	0	20	38,122	10,577
	2010	3	40,218	0	-62	40,283	11,274
	2011	2	39,009	0	25	38,986	11,004
	2012	4	37,091	0	1	37,094	10,555
Romania	2009	415,816	74,342	..	-2,040	492,198	22,461
	2010	400,938	84,471	..	-16,467	501,876	22,957
	2011	403,180	114,615	..	1,188	516,607	23,688
	2012	403,919	106,877	..	7,779	503,017	23,122
Russian Federation	2009	22,270,558	310,620	6,525,976	-245,159	16,300,361	113,441
	2010	25,128,116	162,745	7,172,216	276,173	17,842,472	124,236
	2011	25,720,226	304,846	7,690,500	-86,894	18,421,466	128,428
	2012	25,157,696	307,331	7,388,394	67,870	18,008,763	125,786
Serbia	2009	9,735	58,673	..	3,511	64,897	6,689
	2010	14,342	72,890	..	1,013	86,219	8,937
	2011	18,823	64,732	..	-4,954	88,509	9,222
	2012	19,762	66,297	..	8,005	78,054	8,171
Slovakia	2009	4,078	224,072	594	21,736	205,820	37,939
	2010	4,108	232,724	0	3,933	232,899	42,864
	2011	4,781	226,185	115	15,135	215,716	39,652
	2012	5,917	184,190	1,803	-14,771	203,075	37,290
Slovenia	2009	120	38,563	..	..	38,683	18,923
	2010	279	39,860	..	..	40,139	19,540
	2011	80	34,234	..	..	34,314	16,642
	2012	80	32,953	..	..	33,033	15,976

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Spain	2009	568	1,478,110	41,552	-15,462	1,452,588	31,748
	2010	2,074	1,486,539	46,749	-6,273	1,448,137	31,357
	2011	2,115	1,436,483	68,666	23,830	1,346,102	28,940
	2012	2,409	1,419,084	113,118	-3,002	1,311,377	28,048
Sweden	2009	..	50,684	..	..	50,684	5,444
	2010	..	68,195	..	..	68,195	7,268
	2011	..	53,900	..	..	53,900	5,704
	2012	..	46,827	..	..	46,827	4,923
Switzerland	2009	148	125,341	..	..	125,489	16,133
	2010	230	140,015	..	..	140,245	17,828
	2011	323	124,193	..	..	124,516	15,659
	2012	356	136,134	..	..	136,490	16,989
T.F.Yug.Rep. Macedonia	2009	..	2,997	..	-4	3,001	1,429
	2010	..	4,449	..	4	4,445	2,114
	2011	..	5,131	..	0	5,131	2,439
	2012	..	5,325	..	0	5,325	2,529
Ukraine	2009	752,283	1,426,247	178	279,729	1,898,623	41,036
	2010	718,083	1,375,095	214	-477,263	2,570,227	55,814
	2011	722,386	1,683,533	0	226,398	2,179,521	47,585
	2012	716,775	1,237,329	0	-47,651	2,001,755	43,966
United Kingdom	2009	2,500,340	1,640,842	493,560	13,474	3,634,148	58,900
	2010	2,394,299	2,122,189	635,037	-64,074	3,945,525	63,569
	2011	1,896,116	2,103,889	661,280	72,927	3,265,798	52,314
	2012	1,630,102	1,970,280	518,482	-4,749	3,086,649	49,164
Oceania	2009	1,895,472	258,493	838,297	4,079	1,311,589	36,374
	2010	2,150,930	225,728	971,908	5,893	1,398,857	38,160
	2011	2,250,034	261,044	1,085,657	3,281	1,422,140	38,201
	2012	2,383,371	232,449	1,047,461	-1,945	1,570,304	41,571
Australia	2009	1,722,154	258,493	838,297	..	1,142,350	51,837
	2010	1,965,676	225,728	971,908	..	1,219,496	54,431
	2011	2,081,945	261,044	1,085,657	..	1,257,332	55,290
	2012	2,200,486	232,449	1,047,461	..	1,385,474	60,106
New Zealand	2009	167,242	..	..	4,079	163,163	37,744
	2010	179,342	..	..	5,893	173,449	39,708
	2011	161,939	..	..	3,281	158,658	35,945
	2012	176,735	..	..	-1,945	178,680	40,064
Papua New Guinea	2009	6,076	..	..	..	6,076	906
	2010	5,912	..	..	..	5,912	862
	2011	6,150	..	..	..	6,150	877
	2012	*6,150	..	..	..	*6,150	*858

Table 28

**International trade of natural gas
(Principal importers/exporters)**

Terajoules

2011

Importers	Exporters							
	World	Algeria	Australia	Canada	Egypt	Indonesia	Germany	Malaysia
Austria	516,114	..	..	..	..	..	..	..
Belarus	772,363	..	..	..	..	..	..	..
Belgium	876,039	..	..	..	..	..	6,262	..
Canada	1,208,073	..	..	..	..	..	..	..
China	1,161,703	..	4,530	..	7,932	88,456	..	..
Czech Republic	355,528	..	..	..	..	..	..	..
Finland	156,304	..	..	..	..	..	..	..
France	1,937,315	222,699	..	..	36,142	..	48,383	..
Germany	3,495,078	..	..	..	..	..	..	..
Hungary	306,979	..	..	..	..	..	..	..
Italy	2,681,059	874,471	..	..	22,212	..	109,080	..
Japan	4,546,554	6,142	742,900	..	46,528	432,099	..	826,723
Kazakhstan	176,296	..	..	..	..	..	..	..
Korea, Republic of	1,949,271	..	40,072	..	24,801	415,228	..	217,352
Mexico	691,868	..	..	..	..	10,102	..	..
Netherlands	767,094	..	..	..	..	..	13,483	..
Poland	449,540	..	..	..	..	..	65,203	..
Portugal	210,887	77,848	..	..	..	..	..	..
Russian Federation	304,846	..	..	..	..	..	..	..
Slovakia	226,185	..	..	..	..	..	..	..
Spain	1,436,483	543,425	..	..	93,360	..	..	..
Turkey	1,680,569	159,195	..	..	..	..	..	..
Ukraine	1,683,533	..	..	..	..	..	..	..
United Arab Emirates	689,700	..	..	..	..	..	..	4,940
United Kingdom	2,103,889	9,527	..	..	3,157	..	..	..
United States	3,750,340	..	..	3,351,320	38,537	..	..	..

**International trade of natural gas
(Principal importers/exporters)**

Terajoules

2011

Exporters							
Netherlands	Nigeria	Norway	Qatar	Russian Federation	Trinidad and Tobago	Turkmenistan	United States
..	..	71,639	..	323,630	..	..	..
..	..	..	..	678,933	..	..	..
210,548	..	263,723	110,955	2,565	..	..	..
..	..	..	85,338	..	..	..	1,007,405
..	..	..	145,095	11,185	..	461,936	7,810
..	..	10,679	..	344,849	..	..	..
..	..	..	..	156,304	..	..	..
327,066	138,816	654,345	114,692	262,447	..	..	..
892,506	..	1,069,605	..	1,281,120	..	..	..
..	..	..	..	199,691	..	..	..
138,951	..	139,103	236,411	752,208	..	..	..
..	..	18,769	781,642	424,809	14,335	..	19,195
..	..	..	..	86,370	..	..	..
..	63,949	19,241	438,807	149,207	79,735	..	9,033
..	44,084	..	65,628	..	..	..	526,382
..	..	463,920	..	67,414	..	..	..
..	..	..	..	384,337	..	..	..
..	116,664	..	..	..	..	..	..
..
..	..	..	..	226,185	..	..	..
..	282,899	117,738	186,538	..	99,613	..	..
..	47,788	..	..	973,146	..	..	..
..	..	..	..	1,321,368	..	65,335	..
..	..	..	664,620	..	..	..	..
248,404	..	878,972	830,225	..	20,938	..	5,587
..	2,766	17,292	107,983	..	142,628	..	..

Table 28

**International trade of natural gas
(Principal importers/exporters)**

Terajoules

2012

Importers	Exporters							
	World	Algeria	Australia	Canada	Egypt	Indonesia	Germany	Malaysia
Austria	541,064	..	..	..	..	..	..	..
Belarus	782,173	..	..	..	..	..	..	..
Belgium	869,853	..	..	..	..	..	..	..
Canada	1,213,081	..	..	..	..	..	..	..
China	1,568,254	..	..	..	13,444	112,018	..	..
Czech Republic	284,123	..	..	..	..	..	..	..
Finland	139,801	..	..	..	..	..	..	..
France	1,970,780	173,707	..	..	33,552	..	90,036	..
Germany	3,446,585	..	..	..	..	..	..	..
Hungary	313,776	..	..	..	..	..	..	..
Italy	2,580,323	836,409	..	..	5,601	..	110,642	..
Japan	4,747,801	9,372	932,290	..	60,308	315,695	..	779,885
Kazakhstan	169,698	..	..	..	..	..	..	..
Korea, Republic of	1,993,500	3,007	42,304	..	33,108	414,307	..	223,205
Mexico	865,987	..	..	..	..	15,682	..	..
Netherlands	869,745	..	..	..	..	..	19,542	..
Poland	467,218	..	..	..	..	..	71,889	..
Portugal	182,460	84,583	..	..	4,374	..	..	..
Russian Federation	307,331	..	..	..	..	..	..	..
Slovakia	184,190	..	..	..	..	..	..	..
Spain	1,419,084	600,987	..	..	22,558	..	..	..
Turkey	1,759,024	156,146	..	..	..	..	..	..
Ukraine	1,237,329	..	..	..	..	..	..	..
United Arab Emirates	728,520	..	..	..	..	..	..	..
United Kingdom	1,970,280	4,651	..	..	515	..	..	..
United States	3,382,686	..	..	3,185,474	3,085	..	..	..

**International trade of natural gas
(Principal importers/exporters)**

Terajoules

2012

Exporters							
Netherlands	Nigeria	Norway	Qatar	Russian Federation	Trinidad and Tobago	Turkmenistan	United States
..	..	75,102	..	339,275	..	..	..
..
251,266	..	259,756	85,368	..	..	..	..
..	..	..	36,919	..	..	..	1,043,676
..	..	..	257,922	17,449	..	722,339	..
..	..	110	..	284,013	..	..	..
..	..	..	..	139,801	..	..	..
298,246	155,124	774,169	78,750	268,956	..	..	..
1,011,835	..	954,485	..	1,172,265	..	..	..
..	..	..	..	137,212	..	..	..
93,955	..	107,175	225,743	688,505	..	..	..
..	..	13,107	833,610	457,235	18,086	..	15,323
..	..	..	..	60,493	..	37,524	..
..	95,012	3,274	576,235	115,061	48,164	..	..
..	41,963	..	70,113	..	6,426	..	654,115
..	..	554,391	..	97,711	..	..	..
..	..	..	..	372,876	..	..	..
..	75,007	..	6,637	..	..	..	..
..
..	..	..	..	184,190	..	..	..
..	219,448	163,140	163,903	..	95,863	..	..
..	50,636	..	..	1,014,710	..	..	..
..	..	..	..	1,123,134	..	..	..
..	..	..	699,379	..	..	..	..
281,729	..	1,066,662	519,361	..	..	..	3,192
..	..	7,079	40,147	..	124,427	..	..

Table 29

Production of manufactured and recovered gases - by type

Table Notes

Total production

Total production of gasworks gas, coke oven gas, blast furnace gas and other recovered gases.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification.

Figure 71: Production of manufactured gases by region, 1990-2012

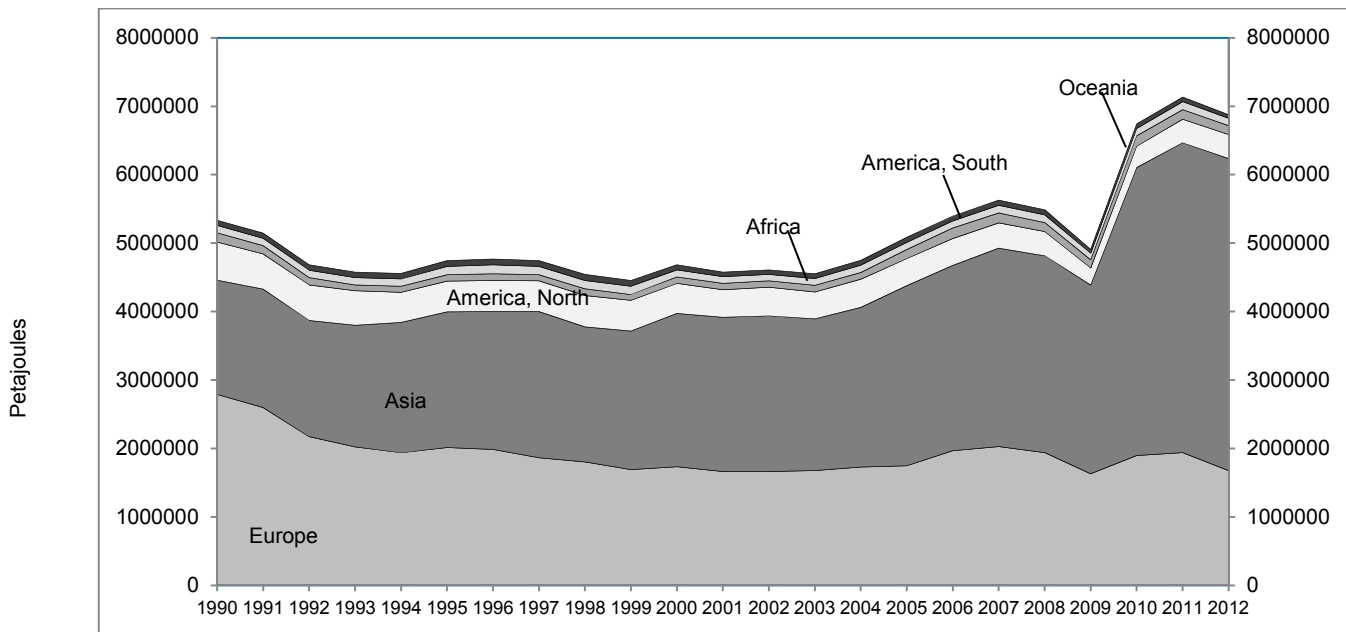
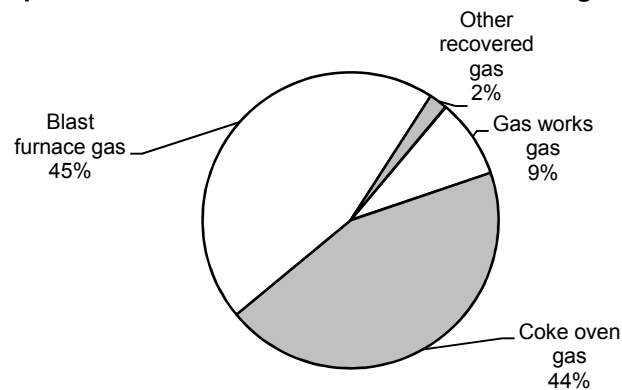


Figure 72: World production of manufactured and recovered gases by type, 2012



Production of manufactured and recovered gases - by type

Terajoules

Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
World	2009	4,922,827	336,652	2,489,951	1,978,241	117,983
	2010	6,751,564	505,326	2,941,662	3,166,978	137,598
	2011	7,139,578	594,164	3,107,384	3,302,909	135,121
	2012	6,882,383	599,121	3,043,645	3,102,819	136,798
Africa	2009	119,172	82,008	8,585	28,579	..
	2010	150,823	83,418	27,335	40,070	..
	2011	141,690	82,702	23,436	35,552	..
	2012	130,951	76,177	23,479	31,295	..
Algeria	2009	5,261	..	398	4,863	..
	2010	5,379	..	0	5,379	..
	2011	4,583	..	0	4,583	..
	2012	4,880	..	0	4,880	..
Egypt	2009	9,303	288	..	9,015	..
	2010	9,011	214	..	8,797	..
	2011	9,221	214	..	9,007	..
	2012	*4,670	195	..	*4,475	..
South Africa	2009	103,606	81,720	7,185	14,701	..
	2010	135,335	83,204	26,237	25,894	..
	2011	126,688	82,488	22,238	21,962	..
	2012	120,147	75,982	22,225	21,940	..
Zimbabwe	2009	1,002	..	1,002	0	..
	2010	1,098	..	1,098	0	..
	2011	1,198	..	1,198	0	..
	2012	1,254	..	1,254	..	..
America, North	2009	249,935	58,265	81,029	110,641	..
	2010	312,766	59,790	108,686	144,290	..
	2011	342,005	56,572	119,085	166,348	..
	2012	352,923	58,167	119,778	174,978	..
Canada	2009	39,390	..	20,200	19,190	..
	2010	43,419	..	22,266	21,153	..
	2011	46,921	..	24,062	22,859	..
	2012	45,540	..	23,354	22,186	..
Costa Rica	2009	922	..	..	922	..
	2010	856	..	..	856	..
	2011	782	..	..	782	..
	2012	*847	..	..	*847	..
Cuba	2009	3,642	3,518	..	*124	..
	2010	3,773	3,694	..	*79	..
	2011	3,886	3,852	..	*34	..
	2012	4,097	4,063	..	*34	..
Mexico	2009	10,600	..	7,013	3,587	..
	2010	13,560	..	8,788	4,772	..
	2011	13,091	..	8,442	4,649	..
	2012	9,368	..	6,163	3,205	..
United States	2009	195,381	54,747	53,816	86,818	..
	2010	251,158	56,096	77,632	117,430	..
	2011	277,325	52,720	86,581	138,024	..
	2012	293,071	54,104	90,261	148,706	..
America, South	2009	97,486	577	81,017	15,892	..
	2010	107,538	491	90,552	16,495	..
	2011	117,446	451	96,074	20,921	..
	2012	106,402	639	88,223	17,540	..

Table 29

Production of manufactured and recovered gases - by type

Terajoules

Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Argentina	2009	16,810	..	7,761	9,049	..
	2010	21,523	..	9,937	11,586	..
	2011	23,505	..	10,852	12,653	..
	2012	15,510	..	6,048	9,462	..
Brazil	2009	67,010	..	67,010	..	..
	2010	76,092	..	76,092	..	..
	2011	78,743	..	78,743	..	..
	2012	75,987	..	75,987	..	..
Chile	2009	9,198	577	4,056	4,565	..
	2010	7,349	491	3,652	3,206	..
	2011	11,152	451	4,466	6,235	..
	2012	10,949	639	3,964	6,346	..
Colombia	2009	4,468	..	2,190	2,278	..
	2010	2,574	..	871	1,703	..
	2011	4,046	..	2,013	2,033	..
	2012	3,956	..	2,224	1,732	..
Asia	2009	2,760,492	165,133	1,618,598	889,602	87,159
	2010	4,208,996	331,602	1,911,238	1,866,763	99,393
	2011	4,529,348	426,521	2,050,669	1,955,417	96,741
	2012	4,559,065	437,451	2,023,006	1,999,755	98,853
China	2009	1,246,767	128,547	1,118,220	..	..
	2010	2,485,282	294,675	1,335,339	855,268	..
	2011	2,790,745	388,989	1,485,202	916,555	..
	2012	2,778,464	399,882	1,464,312	914,270	..
China, Hong Kong SAR	2009	27,274	27,274	..	..	..
	2010	27,578	27,578	..	..	..
	2011	28,146	28,146	..	..	..
	2012	*28,146	*28,146	..	..	..
India	2009	229,291	751	..	228,540	..
	2010	226,117	788	..	225,329	..
	2011	236,049	825	..	235,224	..
	2012	262,070	862	..	261,208	..
Indonesia	2009	*3,300	*3,300	..	..	..
	2010	*3,300	*3,300	..	..	..
	2011	*3,300	*3,300	..	..	..
	2012	*3,300	*3,300	..	..	..
Iran(Islamic Rep. of)	2009	23,943	..	6,491	17,452	..
	2010	24,723	..	5,119	19,604	..
	2011	24,205	..	4,257	19,948	..
	2012	19,867	..	3,131	16,736	..
Japan	2009	793,386	..	332,337	393,685	67,364
	2010	885,354	..	363,852	448,708	72,794
	2011	831,823	..	337,116	429,625	65,082
	2012	850,427	..	339,721	442,758	67,948
Kazakhstan	2009	38,102	..	17,238	20,864	..
	2010	37,059	..	15,612	21,447	..
	2011	37,796	..	16,565	21,231	..
	2012	34,176	..	15,540	18,636	..
Korea, Dem.Ppl's.Rep.	2009	1,895	..	..	1,895	..
	2010	1,931	..	..	1,931	..
	2011	1,849	..	..	1,849	..
	2012	1,844	..	..	1,844	..

Production of manufactured and recovered gases - by type

Terajoules

Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Korea, Republic of	2009	241,305	..	78,035	149,479	13,791
	2010	323,903	..	108,214	196,301	19,388
	2011	381,648	..	125,092	233,841	22,715
	2012	382,844	..	126,679	234,178	21,987
Other Asia	2009	84,101	..	39,940	38,157	6,004
	2010	116,567	..	55,204	54,152	7,211
	2011	121,576	..	55,795	56,837	8,944
	2012	112,234	..	44,465	58,851	8,918
Pakistan	2009	2,666	..	..	2,666	..
	2010	2,644	..	..	2,644	..
	2011	1,697	..	..	1,697	..
	2012	*1,631	..	..	*1,631	..
Philippines	2009	1,715	..	..	1,715	..
	2010	2,188	..	..	2,188	..
	2011	2,493	..	..	2,493	..
	2012	*2,620	..	..	*2,620	..
Singapore	2009	5,261	5,261	..	..	..
	2010	*5,261	*5,261	..	..	..
	2011	*5,261	*5,261	..	..	..
	2012	*5,261	*5,261	..	..	..
Syrian Arab Republic	2009	45	..	..	45	..
	2010	45	..	..	45	..
	2011	45	..	..	45	..
	2012	6	..	..	6	..
Thailand	2009	327	..	..	327	..
	2010	*372	..	..	*372	..
	2011	384	..	..	384	..
	2012	305	..	..	305	..
Turkey	2009	61,114	..	26,337	34,777	..
	2010	66,672	..	27,898	38,774	..
	2011	62,331	..	26,643	35,688	..
	2012	75,870	..	29,158	46,712	..
Europe	2009	1,637,283	27,807	676,473	902,423	30,580
	2010	1,902,183	29,693	776,314	1,058,253	37,923
	2011	1,942,120	27,669	789,776	1,086,572	38,103
	2012	1,679,214	26,500	763,735	851,317	37,662
Austria	2009	34,127	..	9,072	25,055	..
	2010	43,210	..	10,233	32,977	..
	2011	45,240	..	10,647	34,593	..
	2012	43,578	..	10,606	32,972	..
Belgium	2009	24,693	..	10,318	14,375	..
	2010	40,787	..	15,670	24,106	1,011
	2011	42,547	..	15,622	23,953	2,972
	2012	38,387	..	14,021	21,190	3,176
Bosnia and Herzegovina	2009	8,127	..	4,921	3,206	..
	2010	11,481	..	7,295	4,186	..
	2011	11,753	..	7,212	4,541	..
	2012	10,642	..	5,778	4,864	..
Croatia	2009	220	220	..	..	..
	2010	197	197	..	..	..
	2011	144	144	..	..	..
	2012	109	109	..	..	..

Table 29

Production of manufactured and recovered gases - by type

Terajoules

Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Czech Republic	2009	55,449	16,588	18,606	18,621	1,634
	2010	61,499	17,724	20,144	21,795	1,836
	2011	61,617	17,962	20,602	21,181	1,872
	2012	58,546	16,917	19,843	20,013	1,773
Denmark	2009	558	558	..	..	..
	2010	607	607	..	..	..
	2011	615	615	..	..	..
	2012	613	613	..	..	..
Estonia	2009	6,360	6,360	..	..	..
	2010	7,127	7,127	..	..	..
	2011	7,204	7,204	..	..	..
	2012	7,422	7,422	..	..	..
Finland	2009	18,406	..	7,064	11,342	..
	2010	22,482	..	7,769	14,713	..
	2011	23,921	..	9,321	14,600	..
	2012	21,663	..	8,927	12,736	..
France	2009	67,411	..	24,878	42,533	..
	2010	76,304	..	24,117	52,187	..
	2011	68,011	..	21,552	46,459	..
	2012	68,179	..	22,366	45,813	..
Germany	2009	190,291	..	57,926	116,528	15,837
	2010	258,016	..	68,614	169,314	20,088
	2011	247,932	..	66,551	163,289	18,092
	2012	244,869	..	66,735	158,930	19,204
Hungary	2009	13,805	..	6,486	7,319	..
	2010	18,508	..	9,220	9,288	..
	2011	18,114	..	9,575	8,539	..
	2012	17,475	..	9,375	8,100	..
Italy	2009	36,992	..	12,897	22,107	1,988
	2010	48,306	..	16,088	29,591	2,627
	2011	55,285	..	19,198	34,635	1,452
	2012	63,363	..	30,354	32,249	760
Netherlands	2009	43,477	..	15,421	28,056	..
	2010	54,218	..	18,328	35,890	..
	2011	55,171	..	18,093	37,078	..
	2012	54,478	..	17,477	37,001	..
Norway	2009	1,420	..	..	1,420	..
	2010	2,487	..	..	2,487	..
	2011	2,559	..	..	2,559	..
	2012	2,947	..	..	2,947	..
Poland	2009	82,872	113	59,307	17,610	5,842
	2010	108,816	114	81,120	22,022	5,560
	2011	105,472	103	77,156	22,271	5,942
	2012	101,138	75	72,579	22,684	5,800
Romania	2009	11,279	..	2,341	8,938	..
	2010	9,360	..	14	9,346	..
	2011	7,462	..	0	7,462	..
	2012	8,899	..	0	8,899	..
Russian Federation	2009	612,381	..	240,914	371,467	..
	2010	668,855	..	272,945	395,910	..
	2011	718,111	..	287,171	430,940	..
	2012	489,998	..	269,890	220,108	..

Production of manufactured and recovered gases - by type

Terajoules

Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Serbia	2009	8,205	..	..	8,205	..
	2010	9,150	..	..	9,150	..
	2011	9,779	..	..	9,779	..
	2012	3,033	..	..	3,033	..
Slovakia	2009	33,804	..	12,311	19,329	2,164
	2010	39,889	..	13,544	23,004	3,341
	2011	37,347	..	13,263	20,718	3,366
	2012	36,529	..	12,976	21,165	2,388
Spain	2009	30,646	1,820	14,395	14,431	..
	2010	36,163	1,541	17,867	16,755	..
	2011	35,849	149	17,329	18,371	..
	2012	31,504	71	14,366	17,067	..
Sweden	2009	18,643	967	7,436	9,297	943
	2010	24,148	851	8,516	14,054	727
	2011	22,963	435	9,376	12,896	256
	2012	21,606	406	8,460	11,512	1,228
Ukraine	2009	267,843	1,181	142,221	122,269	2,172
	2010	286,770	1,532	152,083	130,422	2,733
	2011	295,138	1,057	155,034	134,896	4,151
	2012	282,171	887	150,008	127,943	3,333
United Kingdom	2009	70,274	..	29,959	40,315	..
	2010	73,803	..	32,747	41,056	..
	2011	69,886	..	32,074	37,812	..
	2012	72,065	..	29,974	42,091	..
Oceania	2009	58,459	2,862	24,249	31,104	244
	2010	69,258	332	27,537	41,107	282
	2011	66,969	249	28,344	38,099	277
	2012	53,828	187	25,424	27,934	283
Australia	2009	47,906	2,862	20,011	25,033	..
	2010	57,141	332	22,691	34,118	..
	2011	56,462	249	24,265	31,948	..
	2012	42,531	187	21,322	21,022	..
New Zealand	2009	10,553	..	4,238	6,071	244
	2010	12,117	..	4,846	6,989	282
	2011	10,507	..	4,079	6,151	277
	2012	11,297	..	4,102	6,912	283

Net installed capacity of electric plants - by type

Megawatts

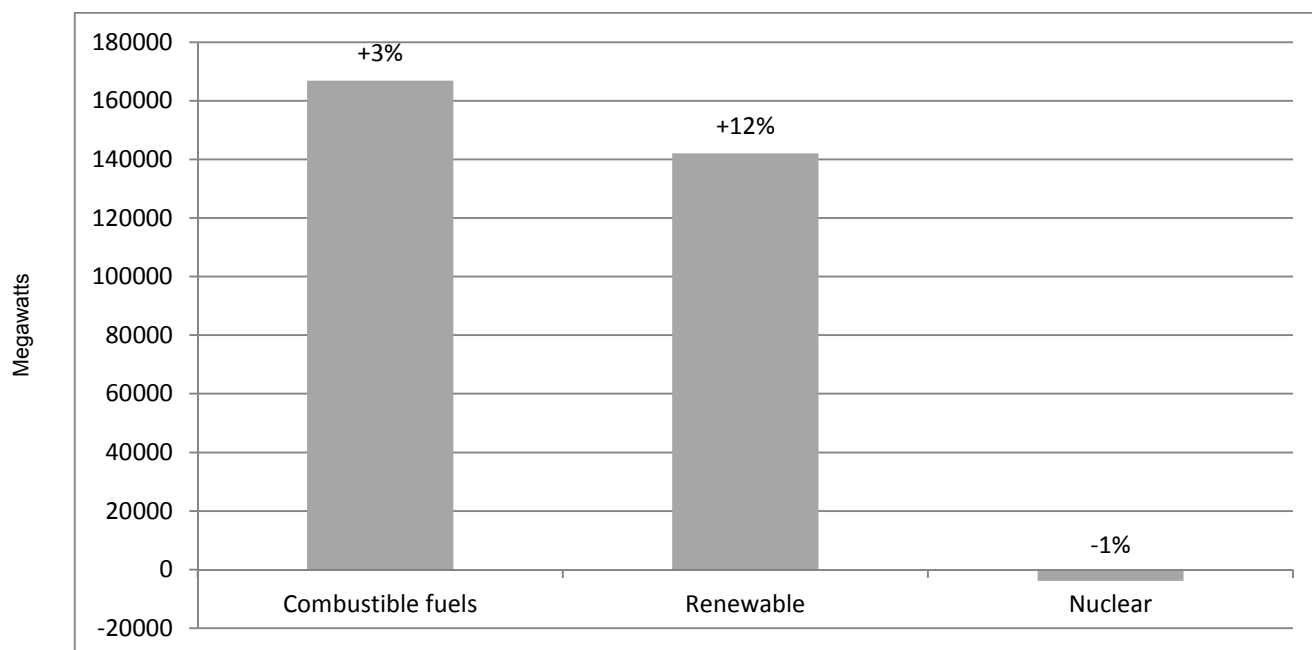
Table Notes

Electricity capacity broken down by source, and main activity producers against autoproducers. For total producers, Other refers to geothermal, tide, wave, marine and other non-specified net installed capacity. For autoproducers, Other refers to nuclear (if any), wind, solar, geothermal, tide, wave, marine and other non-specified net installed capacity. For main activity producers, Other refers to wind, solar, geothermal, tide, wave, marine and other non-specified net installed capacity.

For Austria data are given in gross maximum capacity.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification.

Figure 73: Change in net installed capacity of electricity generating plants* by region, 2010-2012



* Renewable includes capacity from other sources

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
World	2009	4,845,688	3,333,161	965,795	379,984	132,052	22,880	11,816
	2010	5,114,852	3,525,217	1,000,001	382,010	148,710	46,879	12,035
	2011	5,264,979	3,606,333	1,012,374	384,693	174,211	74,071	13,297
	2012	5,419,907	3,692,057	1,026,663	378,138	209,666	99,038	14,346
Africa	2009	136,066	108,155	25,002	1,890	800	52	167
	2010	140,104	111,335	25,581	1,890	857	245	196
	2011	146,675	117,374	25,975	1,890	940	299	198
	2012	150,714	121,328	25,919	1,890	1,050	321	207
Algeria	2009	11,325	11,050	275	..	..	..	..
	2010	11,332	11,057	275	..	..	..	..
	2011	11,546	11,271	275	..	..	..	..
	2012	13,088	12,788	300	..	..	..	..
Angola	2009	*1,155	*657	498	..	..	..	..
	2010	1,439	*657	782	..	..	..	..
	2011	1,530	*770	760	..	..	..	..
	2012	1,530	*770	760	..	..	..	..
Benin	2009	*174	*173	*1	..	..	..	..
	2010	*174	*173	*1	..	..	..	..
	2011	*174	*173	*1	..	..	..	..
	2012	*174	*173	*1	..	..	..	..
Botswana	2009	152	152	..	..	..	..	..
	2010	152	152	..	..	..	..	..
	2011	152	152	..	..	..	..	..
	2012	153	152	..	..	..	1	..
Burkina Faso	2009	251	219	32	..	..	..	..
	2010	238	206	32	..	..	..	..
	2011	261	229	32	..	..	..	..
	2012	298	266	32	..	..	..	..
Burundi	2009	*33	*1	*32	..	..	..	..
	2010	*33	*1	*32	..	..	..	..
	2011	*33	*1	*32	..	..	..	..
	2012	*33	*1	*32	..	..	..	..
Cabo Verde	2009	86	84	..	..	2	..	..
	2010	103	93	..	..	2	8	..
	2011	109	100	..	..	2	8	..
	2012	157	123	..	..	26	8	..
Cameroon	2009	1,022	*303	719	..	..	..	..
	2010	1,007	*288	719	..	..	..	..
	2011	1,022	*303	719	..	..	..	..
	2012	*1,022	*303	*719	..	..	..	..
Central African Rep.	2009	*44	*19	*25	..	..	..	..
	2010	*44	*19	*25	..	..	..	..
	2011	*44	*19	*25	..	..	..	..
	2012	*44	*19	*25	..	..	..	..
Chad	2009	*41	*41	..	..	..	..	..
	2010	*41	*41	..	..	..	..	..
	2011	*41	*41	..	..	..	..	..
	2012	*41	*41	..	..	..	..	..
Comoros	2009	*22	*21	*1	..	..	..	..
	2010	*22	*21	*1	..	..	..	..
	2011	*22	*21	*1	..	..	..	..
	2012	*22	*21	*1	..	..	..	..
Congo	2009	*148	*29	*119	..	..	..	..
	2010	*179	*60	*119	..	..	..	..
	2011	*310	*90	*220	..	..	..	..
	2012	*310	*90	*220	..	..	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
382,024	347,653	23,483	10,887	4,463,664	2,985,508	942,311	379,984	155,861
415,187	374,837	26,571	13,778	4,699,666	3,150,380	973,429	382,010	193,847
435,468	386,462	26,668	22,339	4,829,510	3,219,871	985,706	384,693	239,240
447,974	390,730	26,644	30,600	4,971,933	3,301,327	1,000,019	378,138	292,449
8,891	8,150	737	4	127,174	100,005	24,265	1,890	1,014
8,857	8,069	787	1	131,246	103,265	24,794	1,890	1,297
9,388	8,600	787	1	137,288	108,775	25,188	1,890	1,435
9,400	8,611	787	2	141,314	112,718	25,132	1,890	1,574
*298	*298	..	..	11,027	10,752	275	..	..
*298	*298	..	..	11,034	10,759	275	..	..
*454	*454	..	..	11,092	10,817	275	..	..
*454	*454	..	..	12,634	12,334	300	..	..
*130	*130	..	..	*1,025	*527	498	..	..
*130	*130	..	..	1,309	*527	782	..	..
*130	*130	..	..	1,400	*640	760	..	..
*130	*130	..	..	1,400	*640	760	..	..
*8	*8	..	..	*166	*165	*1	..	..
*8	*8	..	..	*166	*165	*1	..	..
*8	*8	..	..	*166	*165	*1	..	..
*8	*8	..	..	*166	*165	*1	..	..
*20	*20	..	..	132	132	..	..	..
*20	*20	..	..	132	132	..	..	..
*20	*20	..	..	132	132	..	..	..
*20	*20	..	..	133	132	..	..	1
..	..	..	..	251	219	32	..	..
..	..	..	..	238	206	32	..	..
61	61	..	..	200	168	32	..	..
61	61	..	..	237	205	32	..	..
..	..	..	..	*33	*1	*32	..	..
..	..	..	..	*33	*1	*32	..	..
..	..	..	..	*33	*1	*32	..	..
..	..	..	..	*33	*1	*32	..	..
*1	*1	..	..	85	83	..	..	2
*1	*1	..	..	102	92	..	..	10
0	0	..	..	109	100	..	..	10
0	0	..	..	157	123	..	..	34
*233	*233	..	..	789	*70	719	..	..
*218	*218	..	..	789	*70	719	..	..
*233	*233	..	..	789	*70	719	..	..
*233	*233	..	..	*789	*70	*719	..	..
..	..	..	..	*44	*19	*25	..	..
..	..	..	..	*44	*19	*25	..	..
..	..	..	..	*44	*19	*25	..	..
..	..	..	..	*44	*19	*25	..	..
..	..	..	..	*41	*41	..	..	..
..	..	..	..	*41	*41	..	..	..
..	..	..	..	*41	*41	..	..	..
..	..	..	..	*41	*41	..	..	..
..	..	..	..	*22	*21	*1	..	..
..	..	..	..	*22	*21	*1	..	..
..	..	..	..	*22	*21	*1	..	..
..	..	..	..	*22	*21	*1	..	..
..	..	..	..	*148	*29	*119	..	..
..	..	..	..	*179	*60	*119	..	..
..	..	..	..	*310	*90	*220	..	..
..	..	..	..	*310	*90	*220	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Côte d'Ivoire	2009	*1,541	*643	*898	..	..	..	..
	2010	*1,571	*673	*898	..	..	..	..
	2011	*1,621	*723	*898	..	..	..	..
	2012	*1,641	*743	*898	..	..	..	..
Dem. Rep. of the Congo	2009	*2,476	*34	*2,442	..	..	..	..
	2010	*2,506	*34	*2,472	..	..	..	..
	2011	*2,506	*34	*2,472	..	..	..	..
	2012	*2,506	*34	*2,472	..	..	..	..
Djibouti	2009	130	130	..	..	..	..	..
	2010	130	130	..	..	..	..	..
	2011	130	130	..	..	..	..	..
	2012	130	130	..	..	..	..	..
Egypt	2009	25,409	22,119	2,800	..	490	..	..
	2010	27,732	24,245	2,800	..	547	140	..
	2011	30,054	26,270	3,035	..	596	153	..
	2012	31,486	27,999	2,800	..	547	140	..
Equatorial Guinea	2009	*41	*37	*4	..	..	..	..
	2010	*41	*37	*4	..	..	..	..
	2011	*41	*37	*4	..	..	..	..
	2012	*41	*37	*4	..	..	..	..
Eritrea	2009	*140	*139	..	..	..	*1	..
	2010	*140	*139	..	..	..	*1	..
	2011	*140	*139	..	..	..	*1	..
	2012	*140	*139	..	..	..	*1	..
Ethiopia	2009	2,044	*188	1,849	..	..	..	*7
	2010	*2,044	*188	*1,849	..	..	..	*7
	2011	*2,044	*188	*1,849	..	..	..	*7
	2012	*2,059	*188	*1,849	..	*15	..	*7
Gabon	2009	443	273	170	..	..	..	..
	2010	443	273	170	..	..	..	..
	2011	443	273	170	..	..	..	..
	2012	463	293	170	..	..	..	..
Gambia	2009	62	62	..	..	..	..	..
	2010	*74	*74	..	..	..	..	..
	2011	*74	*74	..	..	..	..	..
	2012	*74	*74	..	..	..	..	..
Ghana	2009	*1,970	*790	*1,180	..	..	..	..
	2010	2,180	1,000	1,180	..	..	..	..
	2011	2,380	1,200	1,180	..	..	..	..
	2012	2,490	1,310	1,180	..	..	..	..
Guinea	2009	431	*282	149	..	..	..	..
	2010	431	*282	149	..	..	..	..
	2011	436	*288	149	..	..	..	..
	2012	*436	*288	*149	..	..	..	..
Guinea-Bissau	2009	27	27	..	..	..	..	..
	2010	*27	*27	..	..	..	..	..
	2011	*27	*27	..	..	..	..	..
	2012	*27	*27	..	..	..	..	..
Kenya	2009	1,600	712	730	..	0	..	158
	2010	1,701	784	728	..	0	..	189
	2011	1,802	872	735	..	*5	..	191
	2012	1,874	900	770	..	*5	..	200
Lesotho	2009	80	..	80	..	..	..	..
	2010	80	..	80	..	..	..	..
	2011	*80	..	*80	..	..	..	..
	2012	*80	..	*80	..	..	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*23	*23	..	..	*1,518	*620	*898	..	..
*23	*23	..	..	*1,548	*650	*898	..	..
*23	*23	..	..	*1,598	*700	*898	..	..
*23	*23	..	..	*1,618	*720	*898	..	..
*577	*4	*573	..	*1,899	*30	*1,869	..	..
*577	*4	*573	..	*1,929	*30	*1,899	..	..
*577	*4	*573	..	*1,929	*30	*1,899	..	..
*577	*4	*573	..	*1,929	*30	*1,899	..	..
..	..	..	..	130	130	..	..	..
..	..	..	..	130	130	..	..	..
..	..	..	..	130	130	..	..	..
..	..	..	..	130	130	..	..	..
*683	*683	..	..	24,726	21,436	2,800	..	490
*683	*683	..	..	27,049	23,562	2,800	..	687
683	683	..	..	29,371	25,587	3,035	..	749
683	683	..	..	30,803	27,316	2,800	..	687
..	..	..	..	*41	*37	*4	..	..
..	..	..	..	*41	*37	*4	..	..
..	..	..	..	*41	*37	*4	..	..
..	..	..	..	*41	*37	*4	..	..
*6	*6	..	..	*134	*133	..	..	*1
*6	*6	..	..	*134	*133	..	..	*1
*6	*6	..	..	*134	*133	..	..	*1
*6	*6	..	..	*134	*133	..	..	*1
..	..	..	..	2,044	*188	1,849	..	*7
..	..	..	..	*2,044	*188	*1,849	..	*7
..	..	..	..	*2,044	*188	*1,849	..	*7
..	..	..	..	*2,059	*188	*1,849	..	*22
70	70	..	..	373	203	170	..	..
70	70	..	..	373	203	170	..	..
70	70	..	..	373	203	170	..	..
70	70	..	..	393	223	170	..	..
34	34	..	..	28	28	..	..	..
*34	*34	..	..	*40	*40	..	..	..
*34	*34	..	..	*40	*40	..	..	..
*34	*34	..	..	*40	*40	..	..	..
*230	*230	..	..	*1,740	*560	*1,180	..	..
210	210	..	..	1,970	790	1,180	..	..
*210	*210	..	..	2,170	990	1,180	..	..
*210	*210	..	..	2,280	1,100	1,180	..	..
*180	*159	*21	..	251	123	128	..	..
*180	*159	*21	..	251	123	128	..	..
*180	*159	*21	..	256	129	128	..	..
*180	*159	*21	..	*256	*129	*128	..	..
*2	*2	..	..	25	25	..	..	..
*2	*2	..	..	*25	*25	..	..	..
*2	*2	..	..	*25	*25	..	..	..
*2	*2	..	..	*25	*25	..	..	..
289	289	..	..	1,311	423	730	..	158
289	289	..	..	1,412	495	728	..	189
*289	*289	..	..	1,513	583	735	..	196
*289	*289	..	..	1,585	611	770	..	205
..	..	..	..	80	..	80	..	..
..	..	..	..	80	..	80	..	..
..	..	..	..	*80	..	*80	..	..
..	..	..	..	*80	..	*80	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Liberia	2009	*78	*78	..	..	..	..	..
	2010	*78	*78	..	..	..	..	..
	2011	*91	*91	..	..	..	..	..
	2012	*91	*91	..	..	..	..	..
Libya	2009	6,766	6,766	..	..	..	..	..
	2010	7,066	7,066	..	..	..	..	..
	2011	8,907	8,907	..	..	..	..	..
	2012	8,907	8,907	..	..	..	..	..
Madagascar	2009	431	282	148	..	..	0	..
	2010	507	379	128	..	..	0	..
	2011	*507	*379	*128	..	..	0	..
	2012	*507	*379	*128	..	..	0	..
Malawi	2009	502	*211	291	..	..	..	..
	2010	502	*211	291	..	..	..	..
	2011	502	*211	291	..	..	..	..
	2012	*502	*211	*291	..	..	..	..
Mali	2009	528	276	252	..	..	..	..
	2010	528	276	252	..	..	..	..
	2011	528	*276	252	..	..	..	..
	2012	528	*276	252	..	..	..	..
Mauritania	2009	166	166	..	..	..	..	..
	2010	196	196	..	..	..	..	..
	2011	*196	*196	..	..	..	..	..
	2012	*196	*196	..	..	..	..	..
Mauritius	2009	740	680	59	..	*1	..	..
	2010	741	680	60	..	*1	..	..
	2011	738	677	60	..	1	..	..
	2012	781	718	60	..	1	1	..
Morocco	2009	6,466	4,496	1,749	..	221	..	..
	2010	6,679	4,688	1,770	..	221	..	..
	2011	6,713	4,693	1,770	..	250	..	..
	2012	7,013	4,993	1,770	..	250	..	..
Mozambique	2009	2,428	249	2,179	..	..	..	..
	2010	2,478	249	2,229	..	..	..	..
	2011	2,479	249	2,230	..	..	..	..
	2012	2,486	249	2,237	..	..	..	..
Namibia	2009	*467	*92	*375	..	..	..	..
	2010	*467	*92	*375	..	..	..	..
	2011	393	144	249	..	..	..	..
	2012	508	167	341	..	..	..	..
Niger	2009	135	134	..	..	..	1	..
	2010	*135	*134	..	..	..	*1	..
	2011	*135	*134	..	..	..	*1	..
	2012	*135	*134	..	..	..	*1	..
Nigeria	2009	*8,694	*6,764	*1,930	..	..	..	..
	2010	*8,417	*6,487	*1,930	..	..	..	..
	2011	*8,902	*6,972	*1,930	..	..	..	..
	2012	*8,902	*6,972	*1,930	..	..	..	..
Réunion	2009	649	471	121	..	15	43	..
	2010	708	471	133	..	15	89	..
	2011	766	477	146	..	15	129	..
	2012	868	567	134	..	15	152	..
Rwanda	2009	75	33	42	..	..	0	..
	2010	84	33	51	..	..	0	..
	2011	89	33	57	..	..	0	..
	2012	*99	*36	*63	..	..	0	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*70	*70	..	..	*8	*8	..	..	..
*70	*70	..	..	*8	*8	..	..	..
*70	*70	..	..	*21	*21	..	..	..
*70	*70	..	..	*21	*21	..	..	..
..	..	..	..	6,766	6,766	..	..	..
..	..	..	..	7,066	7,066	..	..	..
..	..	..	..	8,907	8,907	..	..	..
..	..	..	..	8,907	8,907	..	..	..
*32	*32	..	..	399	250	148	..	0
*32	*32	..	..	475	347	128	..	0
*32	*32	..	..	*475	*347	*128	..	0
*32	*32	..	..	*475	*347	*128	..	0
*215	*210	*5	..	287	1	286	..	..
*215	*210	5	..	287	1	286	..	..
*215	*210	*5	..	287	*1	286	..	..
*215	*210	*5	..	*287	*1	*286	..	..
65	65	..	..	463	211	252	..	..
65	65	..	..	463	211	252	..	..
65	65	..	..	463	*211	252	..	..
65	65	..	..	463	*211	252	..	..
*70	*70	..	..	96	96	..	..	..
*70	*70	..	..	126	126	..	..	..
*70	*70	..	..	*126	*126	..	..	..
*70	*70	..	..	*126	*126	..	..	..
297	297	..	..	443	383	59	..	*1
297	297	..	..	444	383	60	..	*1
288	288	..	..	450	389	60	..	1
274	273	..	1	506	445	60	..	1
331	331	..	..	6,135	4,165	1,749	..	221
331	331	..	..	6,348	4,357	1,770	..	221
336	336	..	..	6,377	4,357	1,770	..	250
336	336	..	..	6,677	4,657	1,770	..	250
..	..	..	..	2,428	249	2,179	..	..
*50	..	*50	..	2,428	249	2,179	..	..
*50	..	*50	..	2,429	249	2,180	..	..
*50	..	*50	..	2,436	249	2,187	..	..
..	..	..	..	*467	*92	*375	..	..
..	..	..	..	*467	*92	*375	..	..
..	..	..	..	393	144	249	..	..
..	..	..	..	508	167	341	..	..
30	29	..	1	105	105	..	..	..
*30	*29	..	*1	*105	*105	..	..	..
*30	*29	..	*1	*105	*105	..	..	..
*30	*29	..	*1	*105	*105	..	..	..
*2,069	*2,029	*40	..	*6,625	*4,735	*1,890	..	..
*1,986	*1,946	*40	..	*6,431	*4,541	*1,890	..	..
*2,132	*2,092	*40	..	*6,770	*4,880	*1,890	..	..
*2,132	*2,092	*40	..	*6,770	*4,880	*1,890	..	..
..	..	..	..	649	471	121	..	57
..	..	..	..	708	471	133	..	104
..	..	..	..	766	477	146	..	144
..	..	..	..	868	567	134	..	167
..	..	..	..	75	33	42	..	0
..	..	..	..	84	33	51	..	0
..	..	..	..	89	33	57	..	0
..	..	..	..	*99	*36	*63	..	0

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Sao Tome and Principe	2009	14	12	2	..	..	..	..
	2010	14	12	2	..	..	..	..
	2011	18	16	*2	..	..	..	..
	2012	*18	*16	*2	..	..	..	..
Senegal	2009	*639	*636	..	..	..	*1	*2
	2010	686	686	..	..	..	0	0
	2011	827	827	..	..	..	0	0
	2012	854	854	..	..	..	0	0
Seychelles	2009	89	89	..	..	..	..	..
	2010	89	89	..	..	..	..	..
	2011	89	89	..	..	..	..	..
	2012	89	89	..	..	..	..	..
Sierra Leone	2009	*77	27	*50	..	..	..	..
	2010	77	27	50	..	..	..	..
	2011	77	27	50	..	..	..	..
	2012	77	27	50	..	..	..	..
Somalia	2009	80	80	..	..	..	..	..
	2010	80	80	..	..	..	..	..
	2011	80	80	..	..	..	..	..
	2012	80	80	..	..	..	..	..
South Africa	2009	*44,813	*42,186	*714	*1,890	*17	*6	..
	2010	*44,813	*42,186	*714	*1,890	*17	*6	..
	2011	*44,813	*42,186	*714	*1,890	*17	*6	..
	2012	*44,820	*42,186	*714	*1,890	*17	*13	..
St. Helena and Depend.	2009	5	5	..	..	0	..	..
	2010	*5	*5	..	..	0	..	..
	2011	*5	*5	..	..	0	..	..
	2012	*5	*5	..	..	0	..	..
Sudan	2009	2,268	718	1,550	..	..	..	..
	2010	2,338	788	1,550	..	..	..	..
	2011	2,723	1,133	1,590	..	..	..	..
	2012	2,723	1,133	1,590	..	..	..	..
Swaziland	2009	*152	*89	64	..	..	..	..
	2010	*153	*89	64	..	..	..	..
	2011	*159	*95	64	..	..	..	..
	2012	*164	*100	64	..	..	..	..
Togo	2009	*85	*18	*67	..	..	..	..
	2010	*85	*18	*67	..	..	..	..
	2011	*85	*18	*67	..	..	..	..
	2012	*85	*18	*67	..	..	..	..
Tunisia	2009	*3,473	*3,358	62	..	53	..	..
	2010	*3,599	*3,484	62	..	53	0	..
	2011	*4,025	*3,909	62	..	53	1	..
	2012	*4,120	*3,882	62	..	173	3	..
Uganda	2009	502	164	338	..	..	..	..
	2010	549	187	362	..	..	..	..
	2011	579	137	442	..	..	..	..
	2012	612	144	468	..	..	..	..
United Rep. of Tanzania	2009	1,008	*446	562	..	..	..	..
	2010	1,108	*546	562	..	..	..	..
	2011	1,108	*546	562	..	..	..	..
	2012	1,108	*546	562	..	..	..	..
Zambia	2009	1,784	90	1,694	..	..	..	..
	2010	1,946	90	1,856	..	..	..	..
	2011	2,006	*90	1,916	..	..	..	..
	2012	2,006	*90	1,916	..	..	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	14	12	2	..	..
..	..	..	..	14	12	2	..	..
..	..	..	..	18	16	*2	..	..
..	..	..	..	*18	*16	*2	..	..
*162	*159	..	*3	*477	*477	..	..	..
193	193	..	0	493	493	..	..	..
344	344	..	0	483	483	..	..	..
365	365	..	0	489	489	..	..	..
..	..	..	..	89	89	..	..	..
..	..	..	..	89	89	..	..	..
..	..	..	..	89	89	..	..	..
..	..	..	..	89	89	..	..	..
..	..	..	..	*77	27	*50	..	..
..	..	..	..	77	27	50	..	..
..	..	..	..	77	27	50	..	..
..	..	..	..	77	27	50	..	..
..	..	..	..	80	80	..	..	..
..	..	..	..	80	80	..	..	..
..	..	..	..	80	80	..	..	..
..	..	..	..	80	80	..	..	..
*2,036	*2,000	*36	..	*42,777	*40,186	*678	*1,890	*23
*2,036	*2,000	*36	..	*42,777	*40,186	*678	*1,890	*23
*2,036	*2,000	*36	..	*42,777	*40,186	*678	*1,890	*23
*2,036	*2,000	*36	..	*42,784	*40,186	*678	*1,890	*30
..	..	..	..	5	5	..	..	0
..	..	..	..	*5	*5	..	..	0
..	..	..	..	*5	*5	..	..	0
..	..	..	..	*5	*5	..	..	0
..	..	..	..	2,268	718	1,550	..	..
..	..	..	..	2,338	788	1,550	..	..
..	..	..	..	2,723	1,133	1,590	..	..
..	..	..	..	2,723	1,133	1,590	..	..
*83	*79	*4	..	69	10	60	..	..
*83	*79	*4	..	70	10	60	..	..
*89	*85	*4	..	70	10	60	..	..
*94	*90	*4	..	70	10	60	..	..
*3	*3	..	..	*82	*15	*67	..	..
*3	*3	..	..	*82	*15	*67	..	..
*3	*3	..	..	*82	*15	*67	..	..
*3	*3	..	..	*82	*15	*67	..	..
*498	*498	..	..	*2,975	*2,860	62	..	53
*498	*498	..	..	*3,101	*2,986	62	..	53
*498	*498	..	..	*3,527	*3,411	62	..	54
*498	*498	..	..	*3,622	*3,384	62	..	176
*24	*14	10	..	478	150	328	..	..
*27	*17	*10	..	522	170	352	..	..
*27	*17	*10	..	552	120	432	..	..
*27	*17	*10	..	585	127	458	..	..
*20	*20	..	..	988	*426	562	..	..
*20	*20	..	..	1,088	*526	562	..	..
*20	*20	..	..	1,088	*526	562	..	..
*20	*20	..	..	1,088	*526	562	..	..
58	10	48	..	1,726	80	1,646	..	..
58	10	48	..	1,888	80	1,808	..	..
58	*10	48	..	1,948	*80	1,868	..	..
58	*10	48	..	1,948	*80	1,868	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Zimbabwe	2009	2,105	1,355	750	..	..	..	..
	2010	2,112	1,355	757	..	..	..	..
	2011	*2,112	*1,355	757	..	..	..	..
	2012	*2,112	*1,355	757	..	..	..	..
America, North	2009	1,249,842	897,911	192,164	115,034	38,212	2,259	4,263
	2010	1,268,598	908,191	193,143	115,197	44,121	3,686	4,260
	2011	1,283,956	912,057	193,993	115,449	51,958	6,259	4,240
	2012	1,299,038	906,321	194,558	116,160	67,071	9,597	5,331
Anguilla	2009	28	28	..	..	..	..	..
	2010	28	28	..	..	..	..	..
	2011	28	28	..	..	..	..	..
	2012	28	28	..	..	..	..	..
Antigua and Barbuda	2009	55	55	..	..	..	..	..
	2010	55	55	..	..	..	..	..
	2011	84	84	..	..	..	..	..
	2012	84	84	..	..	..	..	..
Aruba	2009	236	236	..	..	..	..	..
	2010	320	290	..	..	30	..	..
	2011	320	290	..	..	30	..	..
	2012	320	290	..	..	30	..	..
Bahamas	2009	591	591	..	..	..	..	..
	2010	591	591	..	..	..	..	..
	2011	591	591	..	..	..	..	..
	2012	591	591	..	..	..	..	..
Barbados	2009	225	225	..	..	..	..	..
	2010	267	267	..	..	..	..	..
	2011	249	249	..	..	..	..	..
	2012	249	249	..	..	..	..	..
Belize	2009	139	93	46	..	..	..	..
	2010	144	91	53	..	..	..	..
	2011	144	91	53	..	..	..	..
	2012	144	91	53	..	..	..	..
Bermuda	2009	*169	*169	..	..	..	..	..
	2010	*169	*169	..	..	..	..	..
	2011	169	169	..	..	..	..	..
	2012	171	171	..	..	..	..	..
British Virgin Islands	2009	44	44	..	..	..	..	..
	2010	44	44	..	..	..	..	..
	2011	45	44	..	..	1	0	..
	2012	45	44	..	..	1	0	..
Canada	2009	131,678	40,929	74,687	12,665	3,282	95	20
	2010	132,375	40,424	75,078	12,665	3,967	221	20
	2011	132,795	38,944	75,404	12,665	5,265	497	20
	2012	134,203	38,949	75,573	12,665	6,201	795	20
Cayman Islands	2009	153	153	..	..	..	..	..
	2010	151	151	..	..	..	..	..
	2011	151	151	..	..	..	..	..
	2012	150	150	..	..	..	..	..
Costa Rica	2009	2,415	619	1,542	..	*76	*12	166
	2010	2,953	906	1,554	..	315	*12	166
	2011	*2,888	*862	*1,682	..	*121	*12	*211
	2012	*2,723	*656	*1,701	..	*137	*12	*217
Cuba	2009	5,551	5,493	58	..	..	..	..
	2010	5,853	5,790	63	..	..	..	..
	2011	5,914	5,849	65	..	..	..	..
	2012	5,699	5,637	62	..	..	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
45	45	..	..	2,060	1,310	750	..	..
45	45	..	..	2,067	1,310	757	..	..
*45	*45	..	..	*2,067	*1,310	757	..	..
*45	*45	..	..	*2,067	*1,310	757	..	..
51,836	43,556	5,955	2,325	1,198,007	854,355	186,208	115,034	42,409
54,947	45,578	5,894	3,475	1,213,651	862,613	187,249	115,197	48,592
56,610	45,528	5,865	5,218	1,227,345	866,529	188,128	115,449	57,239
59,069	45,806	5,864	7,400	1,239,969	860,516	188,695	116,160	74,599
..	..	..	..	28	28	..	..	..
..	..	..	..	28	28	..	..	..
..	..	..	..	28	28	..	..	..
..	..	..	..	28	28	..	..	..
1	1	..	..	54	54	..	..	..
1	1	..	..	54	54	..	..	..
*1	*1	..	..	83	83	..	..	..
*1	*1	..	..	83	83	..	..	..
..	..	..	..	236	236	..	..	..
..	..	..	..	320	290	..	..	30
..	..	..	..	320	290	..	..	30
..	..	..	..	320	290	..	..	30
*55	*55	..	..	536	536	..	..	..
*55	*55	..	..	536	536	..	..	..
*55	*55	..	..	536	536	..	..	..
*55	*55	..	..	536	536	..	..	..
*10	*10	..	..	215	215	..	..	..
*10	*10	..	..	257	257	..	..	..
*10	*10	..	..	239	239	..	..	..
*10	*10	..	..	239	239	..	..	..
28	28	..	..	111	65	46	..	..
28	28	..	..	116	63	53	..	..
28	28	..	..	116	63	53	..	..
28	28	..	..	116	63	53	..	..
4	4	..	..	*165	*165	..	..	..
4	4	..	..	*165	*165	..	..	..
4	4	..	..	165	165	..	..	..
4	4	..	..	167	167	..	..	..
..	..	..	..	44	44	..	..	..
..	..	..	..	44	44	..	..	..
..	..	..	..	45	44	..	..	1
..	..	..	..	45	44	..	..	1
10,183	5,037	5,146	..	121,495	35,892	69,541	12,665	3,397
10,330	5,160	5,170	..	122,045	35,264	69,908	12,665	4,208
10,192	5,105	5,087	..	122,603	33,839	70,317	12,665	5,782
9,903	5,110	4,793	..	124,300	33,839	70,780	12,665	7,016
..	..	..	..	153	153	..	..	..
..	..	..	..	151	151	..	..	..
..	..	..	..	151	151	..	..	..
..	..	..	..	150	150	..	..	..
*302	*24	*205	*73	2,113	595	1,337	..	181
*265	*24	*168	*73	2,688	882	1,386	..	420
*279	*24	*182	*73	*2,609	*838	*1,500	..	*271
*281	*24	*184	*73	*2,442	*632	*1,517	..	*293
547	547	..	..	5,004	4,946	58	..	..
549	549	..	..	5,304	5,241	63	..	..
544	544	..	..	5,370	5,305	65	..	..
519	519	..	..	5,180	5,118	62	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Dominica	2009	24	19	5	..	..	..	..
	2010	27	20	7	..	..	..	..
	2011	27	20	7	..	..	..	..
	2012	27	20	7	..	..	..	..
Dominican Republic	2009	3,333	2,810	523	..	..	..	..
	2010	3,330	2,807	523	..	..	..	..
	2011	3,375	2,818	523	..	33	..	..
	2012	3,690	2,999	605	..	85	..	..
El Salvador	2009	1,471	795	472	..	..	..	204
	2010	1,461	785	472	..	..	..	204
	2011	1,477	801	472	..	..	..	204
	2012	1,477	801	472	..	..	..	204
Greenland	2009	*174	*106	68	..	..	..	..
	2010	*174	*106	68	..	..	..	..
	2011	*174	*106	*68	..	..	..	..
	2012	*172	*96	76	..	..	..	..
Grenada	2009	33	33	..	..	..	..	..
	2010	49	49	..	..	..	..	..
	2011	50	50	..	..	..	..	..
	2012	49	49	..	..	..	..	..
Guadeloupe	2009	441	368	10	..	21	*27	15
	2010	440	359	8	..	21	*37	15
	2011	467	359	8	..	21	*63	16
	2012	496	380	9	..	27	64	16
Guatemala	2009	2,382	1,555	778	..	..	..	49
	2010	2,458	1,556	853	..	..	..	49
	2011	2,576	1,640	*887	..	..	..	49
	2012	*2,576	*1,640	*887	..	..	..	*49
Haiti	2009	240	178	62	..	..	..	..
	2010	267	207	61	..	..	..	..
	2011	267	207	61	..	..	..	..
	2012	267	207	61	..	..	..	..
Honduras	2009	1,606	1,084	522	..	..	..	..
	2010	1,611	1,084	527	..	..	..	..
	2011	1,721	1,088	531	..	102	..	..
	2012	1,783	1,143	538	..	102	..	..
Jamaica	2009	815	772	23	..	21	..	..
	2010	819	776	23	..	21	..	..
	2011	840	776	23	..	42	..	..
	2012	905	841	23	..	42	..	..
Martinique	2009	*415	*400	..	..	1	14	..
	2010	*415	*400	..	..	1	*14	..
	2011	*415	*400	..	..	1	*14	..
	2012	*461	*400	..	..	1	60	..
Mexico	2009	59,693	45,320	11,543	1,365	475	25	965
	2010	62,290	47,736	11,626	1,365	569	29	965
	2011	61,600	47,070	11,646	1,365	601	31	887
	2012	62,136	46,707	11,650	1,610	1,304	53	812
Montserrat	2009	*5	*5	..	..	..	..	..
	2010	*5	*5	..	..	..	..	..
	2011	*5	*5	..	..	..	..	..
	2012	*5	*5	..	..	..	..	..
Netherlands Antilles	2009	*325	*325	..	..	..	..	..
	2010	*325	*325	..	..	..	..	..
	2011	*325	*325	..	..	..	..	..
	2012	*325	*325	..	..	..	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	24	19	5	..	..
..	..	..	..	27	20	7	..	..
..	..	..	..	27	20	7	..	..
..	..	..	..	27	20	7	..	..
370	370	..	..	2,963	2,439	523	..	..
370	370	..	..	2,960	2,436	523	..	..
370	370	..	..	3,005	2,448	523	..	33
370	370	..	..	3,320	2,629	605	..	85
200	180	20	..	1,271	615	452	..	204
177	177	0	..	1,284	608	472	..	204
193	193	0	..	1,284	608	472	..	204
193	193	0	..	1,284	608	472	..	204
*16	*16	..	..	*158	*90	68	..	..
*16	*16	..	..	*158	*90	68	..	..
*16	*16	..	..	*158	*90	*68	..	..
*16	*16	..	..	*156	*80	76	..	..
..	..	..	..	33	33	..	..	..
..	..	..	..	49	49	..	..	..
..	..	..	..	50	50	..	..	..
..	..	..	..	49	49	..	..	..
..	..	..	..	441	368	10	..	63
..	..	..	..	440	359	8	..	*73
..	..	..	..	467	359	8	..	*100
..	..	..	..	496	380	9	..	107
375	371	4	..	2,007	1,184	774	..	49
386	382	4	..	2,072	1,174	849	..	49
455	451	*4	..	2,122	1,190	*883	..	49
*455	*451	*4	..	*2,122	*1,190	*883	..	*49
23	23	..	..	217	155	62	..	..
74	74	..	..	193	133	61	..	..
74	74	..	..	193	133	61	..	..
74	74	..	..	193	133	61	..	..
76	74	2	..	1,530	1,010	520	..	..
76	74	2	..	1,535	1,010	525	..	..
108	106	2	..	1,613	982	529	..	102
117	115	2	..	1,666	1,028	536	..	102
217	196	..	21	598	576	23	..	..
211	190	..	21	608	586	23	..	..
229	190	..	39	611	586	23	..	3
294	255	..	39	611	586	23	..	3
4	4	..	..	*411	*396	..	..	15
4	4	..	..	*411	*396	..	..	*15
4	4	..	..	*411	*396	..	..	*15
4	4	..	..	*457	*396	..	..	61
8,007	7,432	160	415	51,686	37,888	11,383	1,365	1,050
9,344	8,708	123	513	52,946	39,028	11,503	1,365	1,050
9,089	8,397	147	545	52,511	38,673	11,499	1,365	974
9,602	8,692	152	758	52,534	38,015	11,498	1,610	1,411
..	..	..	..	*5	*5	..	..	..
..	..	..	..	*5	*5	..	..	..
..	..	..	..	*5	*5	..	..	..
..	..	..	..	*5	*5	..	..	..
*133	*133	..	..	*192	*192	..	..	..
*133	*133	..	..	*192	*192	..	..	..
*133	*133	..	..	*192	*192	..	..	..
*133	*133	..	..	*192	*192	..	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Nicaragua	2009	982	749	105	..	40	..	88
	2010	1,073	817	105	..	63	..	88
	2011	1,129	871	105	..	65	..	88
	2012	1,207	871	106	..	65	..	165
Panama	2009	1,819	940	879	..	..	..	..
	2010	1,976	1,040	936	..	..	..	..
	2011	2,391	1,040	1,351	..	..	..	..
	2012	2,422	954	1,468	..	..	..	..
Puerto Rico	2009	*5,571	*5,415	*156	..	..	..	..
	2010	*5,571	*5,415	*156	..	..	..	..
	2011	*5,571	*5,415	*156	..	..	..	..
	2012	*5,571	*5,415	*156	..	..	..	..
St. Kitts-Nevis	2009	33	33	..	..	..	..	..
	2010	37	37	..	..	..	..	..
	2011	40	40	..	..	..	..	..
	2012	48	48	..	..	..	..	..
St. Lucia	2009	76	76	..	..	..	..	..
	2010	76	76	..	..	..	..	..
	2011	76	76	..	..	..	..	..
	2012	86	86	..	..	..	..	..
St. Pierre-Miquelon	2009	27	26	..	..	1	..	..
	2010	27	26	..	..	1	..	..
	2011	27	26	..	..	1	..	..
	2012	27	26	..	..	1	..	..
St. Vincent-Grenadines	2009	*41	*34	*7	..	..	..	..
	2010	*41	*34	*7	..	..	..	..
	2011	*41	*34	*7	..	..	..	..
	2012	*41	*34	*7	..	..	..	..
Trinidad and Tobago	2009	*1,807	*1,807	..	..	..	..	..
	2010	1,796	1,796	..	..	..	..	..
	2011	2,295	2,295	..	..	..	..	..
	2012	2,577	2,577	..	..	..	..	..
Turks and Caicos Islands	2009	54	54	..	..	..	..	..
	2010	57	57	..	..	..	..	..
	2011	65	65	..	..	..	..	..
	2012	76	76	..	..	..	..	..
United States	2009	1,026,869	786,050	100,678	101,004	34,296	2,086	2,755
	2010	1,041,000	793,551	101,023	101,167	39,134	3,373	2,752
	2011	1,055,278	798,833	100,944	101,419	45,676	5,642	2,764
	2012	1,067,878	793,352	101,106	101,885	59,075	8,613	3,847
United States Virgin Is.	2009	*323	*323	..	..	..	..	..
	2010	*323	*323	..	..	..	..	..
	2011	345	345	..	..	..	..	..
	2012	330	330	..	..	..	..	..
America, South	2009	219,331	81,240	134,196	3,025	845	0	25
	2010	227,735	87,236	136,590	3,025	859	0	25
	2011	236,291	92,438	139,065	3,025	1,758	5	0
	2012	245,908	99,513	140,945	3,025	2,378	47	0
Argentina	2009	32,125	21,035	10,044	1,018	28	0	..
	2010	32,876	21,783	10,045	1,018	30	0	..
	2011	33,810	22,660	10,045	1,018	*82	*5	..
	2012	35,023	23,807	10,053	1,018	134	11	..
Bolivia (Plur. State of)	2009	1,529	1,041	488	..	..	..	..
	2010	1,645	1,157	488	..	..	..	..
	2011	1,682	1,188	494	..	..	..	..
	2012	1,880	1,387	494	..	..	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
122	122	..	..	860	627	105	..	128
62	62	..	..	1,011	755	105	..	151
63	63	..	..	1,066	808	105	..	153
63	63	..	..	1,144	808	106	..	230
216	155	61	..	1,603	785	818	..	..
224	159	65	..	1,752	881	871	..	..
224	159	65	..	2,167	881	1,286	..	..
224	159	65	..	2,198	795	1,403	..	..
*61	*61	..	..	*5,510	*5,354	*156	..	..
*61	*61	..	..	*5,510	*5,354	*156	..	..
*61	*61	..	..	*5,510	*5,354	*156	..	..
*61	*61	..	..	*5,510	*5,354	*156	..	..
*6	*6	..	..	27	27	..	..	..
*6	*6	..	..	31	31	..	..	..
*6	*6	..	..	34	34	..	..	..
*6	*6	..	..	42	42	..	..	..
..	..	..	..	76	76	..	..	..
..	..	..	..	76	76	..	..	..
..	..	..	..	76	76	..	..	..
..	..	..	..	86	86	..	..	..
..	..	..	..	27	26	..	..	1
..	..	..	..	27	26	..	..	1
..	..	..	..	27	26	..	..	1
..	..	..	..	27	26	..	..	1
..	..	..	..	*41	*34	*7	..	..
..	..	..	..	*41	*34	*7	..	..
..	..	..	..	*41	*34	*7	..	..
..	..	..	..	*41	*34	*7	..	..
*196	*196	..	..	*1,611	*1,611	..	..	..
*196	*196	..	..	1,600	1,600	..	..	..
*196	*196	..	..	2,099	2,099	..	..	..
*196	*196	..	..	2,381	2,381	..	..	..
..	..	..	..	54	54	..	..	..
..	..	..	..	57	57	..	..	..
..	..	..	..	65	65	..	..	..
..	..	..	..	76	76	..	..	..
30,669	28,495	358	1,816	996,200	757,555	100,320	101,004	37,321
32,350	29,120	362	2,868	1,008,650	764,431	100,661	101,167	42,391
34,262	29,323	378	4,561	1,021,016	769,510	100,566	101,419	49,521
36,461	29,267	664	6,530	1,031,417	764,085	100,442	101,885	65,005
*15	*15	..	..	*308	*308	..	..	..
*15	*15	..	..	*308	*308	..	..	..
*15	*15	..	..	330	330	..	..	..
0	0	..	..	330	330	..	..	..
21,523	17,550	3,938	35	197,808	63,690	130,259	3,025	835
24,932	20,965	3,930	38	202,803	66,271	132,660	3,025	847
27,108	22,146	4,944	18	209,183	70,292	134,120	3,025	1,746
28,107	23,075	5,002	29	217,802	76,438	135,943	3,025	2,396
3,795	3,775	20	..	28,330	17,260	10,024	1,018	28
3,866	3,844	20	2	29,010	17,939	10,025	1,018	28
3,923	3,901	20	2	29,887	18,759	10,025	1,018	*85
4,014	3,992	20	2	31,008	19,815	10,033	1,018	143
126	99	27	..	1,403	942	461	..	..
137	110	27	..	1,508	1,047	462	..	..
119	93	26	..	1,563	1,096	467	..	..
135	108	26	..	1,746	1,279	467	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Brazil	2009	106,573	25,353	78,611	2,007	602	..	..
	2010	112,400	29,154	80,637	2,007	602	..	..
	2011	117,134	31,243	82,459	2,007	1,425	..	..
	2012	120,973	32,786	84,294	2,007	1,886	..	..
Chile	2009	15,731	10,091	5,452	..	163	..	25
	2010	16,231	10,576	5,467	..	163	..	25
	2011	17,549	11,419	5,946	..	184	..	0
	2012	18,153	11,957	5,992	..	202	2	0
Colombia	2009	13,732	4,688	9,026	..	18	..	..
	2010	13,732	4,688	9,026	..	18	..	..
	2011	14,424	5,221	9,185	..	18	..	..
	2012	14,478	5,275	9,185	..	18	..	..
Ecuador	2009	4,391	2,360	2,029	..	2	..	..
	2010	4,761	2,544	2,215	..	2	..	..
	2011	4,793	2,584	2,207	..	2	..	..
	2012	5,064	2,824	2,237	..	3	..	..
Falkland Is. (Malvinas)	2009	*9	*9	..	..	0	..	..
	2010	*12	*9	..	..	*3	..	..
	2011	*12	*9	..	..	*3	..	..
	2012	*12	*9	..	..	*3	..	..
French Guiana	2009	243	129	114	..	..	0	..
	2010	243	129	114	..	..	0	..
	2011	247	129	118	..	..	0	..
	2012	281	129	118	..	..	34	..
Guyana	2009	342	342	..	..	..	..	..
	2010	348	348	..	..	..	..	..
	2011	349	349	..	..	..	..	..
	2012	362	362	..	..	..	..	..
Paraguay	2009	8,816	6	8,810	..	..	..	..
	2010	8,816	6	8,810	..	..	..	..
	2011	8,816	6	8,810	..	..	..	..
	2012	8,816	6	8,810	..	..	..	..
Peru	2009	7,983	4,709	3,273	..	1	..	..
	2010	8,614	5,175	3,438	..	1	..	..
	2011	8,556	5,103	3,452	..	1	..	..
	2012	9,984	6,490	3,414	..	80	..	..
Suriname	2009	389	200	189	..	..	..	..
	2010	410	221	189	..	..	..	..
	2011	412	223	189	..	..	..	..
	2012	412	223	189	..	..	..	..
Uruguay	2009	2,621	1,053	1,538	..	30	..	..
	2010	2,792	1,214	1,538	..	41	..	..
	2011	2,803	1,221	1,538	..	44	..	..
	2012	2,969	1,379	1,538	..	53	..	..
Venezuela(Bolivar. Rep.)	2009	24,846	10,224	14,622	..	..	..	..
	2010	24,854	10,232	14,622	..	..	..	..
	2011	25,705	11,083	14,622	..	..	..	..
	2012	27,502	12,880	14,622	..	..	..	..
Asia	2009	1,963,811	1,509,923	346,229	86,137	14,297	3,387	3,838
	2010	2,157,848	1,662,486	374,816	88,795	15,401	12,484	3,866
	2011	2,237,247	1,724,705	381,689	90,815	22,132	14,068	3,837
	2012	2,321,430	1,789,682	391,230	91,445	28,976	16,199	3,898
Afghanistan	2009	*489	115	*374	..	..	..	..
	2010	*489	115	*374	..	..	..	..
	2011	431	115	316	..	..	..	..
	2012	431	115	316	..	..	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
12,274	8,873	3,401	..	94,299	16,480	75,210	2,007	602
15,533	12,141	3,392	..	96,867	17,013	77,245	2,007	602
17,775	13,338	4,437	..	99,359	17,905	78,022	2,007	1,425
18,818	14,338	4,480	..	102,155	18,448	79,814	2,007	1,886
1,311	1,198	88	25	14,420	8,893	5,364	..	163
1,300	1,191	84	25	14,931	9,385	5,383	..	163
1,191	1,175	14	2	16,358	10,244	5,932	..	182
1,037	983	42	12	17,116	10,974	5,950	..	192
*272	*229	43	..	13,460	4,459	8,983	..	18
*272	*229	43	..	13,460	4,459	8,983	..	18
353	261	92	..	14,071	4,960	9,093	..	18
356	264	92	..	14,122	5,011	9,093	..	18
642	562	80	..	3,749	1,798	1,949	..	2
712	630	82	..	4,049	1,914	2,133	..	2
710	637	73	..	4,083	1,947	2,134	..	2
740	664	76	..	4,324	2,160	2,161	..	3
*2	*2	..	..	*7	*7	..	..	0
*2	*2	..	..	*10	*7	..	..	*3
*2	*2	..	..	*10	*7	..	..	*3
*2	*2	..	..	*10	*7	..	..	*3
..	..	..	..	243	129	114	..	0
..	..	..	..	243	129	114	..	0
..	..	..	..	247	129	118	..	0
..	..	..	..	281	129	118	..	34
179	179	..	..	163	163	..	..	..
179	179	..	..	170	170	..	..	..
179	179	..	..	170	170	..	..	..
179	179	..	..	182	182	..	..	..
..	..	..	..	8,816	6	8,810	..	..
..	..	..	..	8,816	6	8,810	..	..
..	..	..	..	8,816	6	8,810	..	..
..	..	..	..	8,816	6	8,810	..	..
1,259	1,169	90	..	6,724	3,540	3,183	..	1
1,304	1,211	93	..	7,310	3,964	3,345	..	1
1,244	1,151	93	..	7,312	3,952	3,359	..	1
1,204	1,127	77	..	8,780	5,363	3,337	..	80
329	140	189	..	60	60	..	..	..
330	141	189	..	80	80	..	..	..
312	123	189	..	100	100	..	..	..
312	123	189	..	100	100	..	..	..
196	186	..	10	2,425	867	1,538	..	20
159	149	..	11	2,633	1,065	1,538	..	30
162	149	..	14	2,641	1,073	1,538	..	30
172	156	..	15	2,798	1,223	1,538	..	37
1,138	1,138	..	..	23,708	9,086	14,622	..	..
*1,138	*1,138	..	..	23,716	9,094	14,622	..	..
*1,138	*1,138	..	..	24,567	9,945	14,622	..	..
*1,138	*1,138	..	..	26,364	11,742	14,622	..	..
212,392	198,693	8,677	5,022	1,751,419	1,311,230	337,552	86,137	16,500
236,505	218,633	11,643	6,229	1,921,343	1,443,853	363,173	88,795	25,522
248,001	229,456	10,656	7,889	1,989,245	1,495,249	371,033	90,815	32,148
256,044	235,514	10,706	9,824	2,065,386	1,554,168	380,524	91,445	39,249
*182	55	*127	..	*307	60	*247	..	..
*182	55	*127	..	*307	60	*247	..	..
182	55	127	..	249	60	189	..	..
182	55	127	..	249	60	189	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Armenia	2009	3,175	1,662	1,102	408	3	..	..
	2010	3,480	1,906	1,162	408	4	..	..
	2011	3,509	1,906	1,191	408	4	..	..
	2012	4,055	2,394	1,249	408	4	..	..
Azerbaijan	2009	6,388	5,401	987	..	..	..	..
	2010	6,396	5,401	995	..	..	..	..
	2011	6,350	5,352	998	..	..	..	..
	2012	6,420	5,397	1,023	..	..	..	..
Bahrain	2009	*5,868	*5,868	..	..	..	..	..
	2010	*5,868	*5,868	..	..	..	..	..
	2011	*5,868	*5,868	..	..	..	..	..
	2012	*5,868	*5,868	..	..	..	..	..
Bangladesh	2009	5,719	5,489	230	..	..	..	..
	2010	5,827	5,597	230	..	..	..	..
	2011	6,639	6,409	230	..	..	..	..
	2012	8,100	7,870	230	..	..	..	..
Bhutan	2009	1,505	17	1,488	..	..	0	..
	2010	1,505	17	1,488	..	..	0	..
	2011	1,505	17	1,488	..	..	0	..
	2012	1,505	17	1,488	..	..	0	..
Brunei Darussalam	2009	*768	*768	..	..	..	..	..
	2010	*785	*785	..	..	..	..	..
	2011	*802	*802	..	..	..	..	..
	2012	*825	*825	..	..	..	..	..
Cambodia	2009	373	359	13	..	..	*1	..
	2010	362	347	13	..	..	*2	..
	2011	571	362	207	..	..	2	..
	2012	584	357	225	..	..	*2	..
China	2009	*859,900	*669,300	*171,000	*9,000	*10,600	..	..
	2010	*999,494	*776,000	*194,000	*11,000	*10,600	*7,894	..
	2011	*1,005,536	*776,000	*194,000	*11,000	*16,642	*7,894	..
	2012	*1,012,871	*776,000	*194,000	*12,344	*22,633	*7,894	..
China, Hong Kong SAR	2009	12,624	12,623	..	..	*1	..	..
	2010	12,624	12,623	..	..	*1	..	..
	2011	12,624	12,622	..	..	*2	..	..
	2012	12,625	12,623	..	..	*2	..	..
China, Macao SAR	2009	497	497	..	..	..	..	..
	2010	497	497	..	..	..	..	..
	2011	497	497	..	..	..	..	..
	2012	497	497	..	..	..	..	..
Cyprus	2009	1,358	1,355	..	..	..	3	..
	2010	1,540	1,455	..	..	82	3	..
	2011	1,068	982	..	..	*82	4	..
	2012	*1,596	*1,510	..	..	*82	*4	..
Georgia	2009	*4,538	*1,688	*2,850	..	..	..	..
	2010	*4,538	*1,688	*2,850	..	..	..	..
	2011	*4,350	*1,688	*2,662	..	..	..	..
	2012	*4,350	*1,688	*2,662	..	..	..	..
India	2009	187,872	146,388	36,924	4,560	..	..	..
	2010	206,526	164,118	37,628	4,780	..	..	..
	2011	236,387	192,556	39,051	4,780	..	..	..
	2012	259,854	215,522	39,552	4,780	..	..	..
Indonesia	2009	32,504	26,251	5,063	..	1	0	1,189
	2010	*34,240	*27,972	5,078	..	1	0	1,189
	2011	*39,899	*34,743	*3,945	..	1	1	1,209
	2012	51,351	45,341	4,661	..	1	4	1,344

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	3,175	1,662	1,102	408	3
..	..	..	..	3,480	1,906	1,162	408	4
..	..	..	..	3,509	1,906	1,191	408	4
..	..	..	..	4,055	2,394	1,249	408	4
100	100	..	..	6,288	5,301	987	..	..
100	100	..	..	6,296	5,301	995	..	..
100	100	..	..	6,250	5,252	998	..	..
126	126	..	..	6,294	5,271	1,023	..	..
*3,000	*3,000	..	..	*2,868	*2,868	..	..	..
*3,000	*3,000	..	..	*2,868	*2,868	..	..	..
*3,000	*3,000	..	..	*2,868	*2,868	..	..	..
*3,000	*3,000	..	..	*2,868	*2,868	..	..	..
*1,907	*1,907	..	..	3,812	3,582	230	..	..
1,911	1,911	..	..	3,916	3,686	230	..	..
1,911	1,911	..	..	4,728	4,498	230	..	..
2,375	2,375	..	..	5,725	5,495	230	..	..
..	..	..	..	1,505	17	1,488	..	0
..	..	..	..	1,505	17	1,488	..	0
..	..	..	..	1,505	17	1,488	..	0
..	..	..	..	1,505	17	1,488	..	0
*68	*68	..	..	*700	*700	..	..	..
*70	*70	..	..	*715	*715	..	..	..
*72	*72	..	..	*730	*730	..	..	..
*75	*75	..	..	*750	*750	..	..	..
..	..	..	..	373	359	13	..	*1
..	..	..	..	362	347	13	..	*2
..	..	..	..	571	362	207	..	2
..	..	..	..	584	357	225	..	*2
*57,000	*52,000	*5,000	..	*802,900	*617,300	*166,000	*9,000	*10,600
*57,000	*52,000	*5,000	..	*942,494	*724,000	*189,000	*11,000	*18,494
*57,000	*52,000	*5,000	..	*948,536	*724,000	*189,000	*11,000	*24,536
*57,000	*52,000	*5,000	..	*955,871	*724,000	*189,000	*12,344	*30,527
..	..	..	..	12,624	12,623	..	..	*1
..	..	..	..	12,624	12,623	..	..	*1
..	..	..	..	12,624	12,622	..	..	*2
..	..	..	..	12,625	12,623	..	..	*2
*25	*25	..	..	472	472	..	..	..
*25	*25	..	..	472	472	..	..	..
*25	*25	..	..	472	472	..	..	..
*25	*25	..	..	472	472	..	..	..
*18	*17	..	*1	1,340	1,338	..	..	2
*18	*17	..	*1	1,522	1,438	..	..	84
*18	*17	..	*1	1,050	965	..	..	*85
*18	*17	..	*1	*1,578	*1,493	..	..	*85
..	..	..	..	*4,538	*1,688	*2,850	..	..
..	..	..	..	*4,538	*1,688	*2,850	..	..
..	..	..	..	*4,350	*1,688	*2,662	..	..
..	..	..	..	*4,350	*1,688	*2,662	..	..
28,474	28,413	61	..	159,398	117,975	36,863	4,560	..
32,900	32,839	61	..	173,626	131,279	37,567	4,780	..
*36,510	*36,449	*61	..	199,877	156,107	38,990	4,780	..
*36,510	*36,449	*61	..	223,344	179,073	39,491	4,780	..
5,909	4,541	1,368	..	26,595	21,710	3,695	..	1,190
*5,711	*4,343	*1,368	..	*28,529	*23,629	3,710	..	1,190
*5,920	*5,420	*500	..	*33,979	*29,323	*3,445	..	1,211
*6,098	*5,583	*515	..	45,253	39,758	4,146	..	1,349

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Iran (Islamic Rep. of)	2009	56,508	48,711	7,705	..	90	0	2
	2010	61,461	52,873	8,488	..	93	0	7
	2011	65,222	55,351	8,746	1,020	98	0	7
	2012	68,894	58,015	9,746	1,020	106	0	7
Iraq	2009	14,384	11,871	2,513	..	..	..	..
	2010	14,171	11,658	2,513	..	..	..	..
	2011	16,952	14,439	2,513	..	..	..	..
	2012	16,952	14,439	2,513	..	..	..	..
Israel	2009	12,264	12,166	7	..	6	25	60
	2010	13,058	12,940	7	..	6	70	35
	2011	13,990	13,662	7	..	6	190	125
	2012	14,401	14,163	7	..	6	200	25
Japan	2009	284,486	183,237	47,243	48,847	1,997	2,627	535
	2010	287,027	183,882	47,736	48,960	2,294	3,618	537
	2011	292,058	186,810	48,418	48,960	2,419	4,914	537
	2012	295,231	190,405	48,972	46,148	2,562	6,632	512
Jordan	2009	2,948	2,932	12	..	4	..	..
	2010	3,178	3,162	12	..	4	..	..
	2011	3,715	3,687	12	..	16	..	..
	2012	3,715	3,687	12	..	16	..	..
Kazakhstan	2009	*18,734	*16,517	*2,217	..	0	..	..
	2010	*18,734	*16,517	*2,217	..	0	..	..
	2011	*18,734	*16,517	*2,217	..	0	..	..
	2012	*18,736	*16,517	*2,217	..	*2	..	..
Korea, Dem. Ppl's. Rep.	2009	*9,500	*4,500	*5,000	..	..	..	..
	2010	*9,500	*4,500	*5,000	..	..	..	..
	2011	*9,500	*4,500	*5,000	..	..	..	..
	2012	*9,500	*4,500	*5,000	..	..	..	..
Korea, Republic of	2009	80,610	56,482	5,515	17,716	351	524	22
	2010	84,700	60,389	5,525	17,716	382	650	38
	2011	84,654	58,303	6,418	18,716	425	730	62
	2012	94,189	65,538	6,447	20,716	464	1,024	0
Kuwait	2009	12,679	12,679	..	..	..	..	..
	2010	12,679	12,679	..	..	..	..	..
	2011	14,803	14,803	..	..	..	..	..
	2012	14,803	14,803	..	..	..	..	..
Kyrgyzstan	2009	3,741	796	2,945	..	..	..	..
	2010	3,860	795	3,065	..	..	..	..
	2011	*3,860	*795	*3,065	..	..	..	..
	2012	*3,860	*795	*3,065	..	..	..	..
Lao People's Dem. Rep.	2009	2,031	*50	1,805	..	..	*176	..
	2010	2,746	*50	2,520	..	..	*176	..
	2011	2,796	*50	2,570	..	..	*176	..
	2012	*2,796	*50	*2,570	..	..	*176	..
Lebanon	2009	2,908	2,634	274	..	..	..	..
	2010	3,212	2,938	*274	..	..	..	..
	2011	3,209	2,988	221	..	..	..	..
	2012	3,209	2,988	221	..	..	..	..
Malaysia	2009	*25,398	*23,278	*2,120	..	..	..	..
	2010	*25,398	*23,278	*2,120	..	..	..	..
	2011	28,749	25,734	3,015	..	..	..	..
	2012	29,143	25,826	3,317	..	..	..	..
Maldives	2009	75	75	..	..	..	..	..
	2010	77	77	..	..	..	..	..
	2011	78	78	..	..	..	..	..
	2012	81	81	..	..	..	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
4,231	4,231	..	..	52,277	44,480	7,705	..	92
5,024	5,024	..	..	56,438	47,850	8,488	..	100
5,134	5,134	..	..	60,088	50,217	8,746	1,020	105
5,581	5,581	..	..	63,313	52,434	9,746	1,020	113
..	..	..	..	14,384	11,871	2,513	..	..
..	..	..	..	14,171	11,658	2,513	..	..
..	..	..	..	16,952	14,439	2,513	..	..
..	..	..	..	16,952	14,439	2,513	..	..
407	320	2	85	11,857	11,846	5	..	6
475	393	2	80	12,583	12,547	5	..	31
685	393	2	290	13,305	13,269	5	..	31
630	428	2	200	13,771	13,735	5	..	31
46,713	40,663	1,403	4,647	237,773	142,574	45,840	48,847	512
59,030	48,812	4,369	5,849	227,997	135,070	43,367	48,960	600
62,150	50,678	4,250	7,222	229,908	136,132	44,168	48,960	648
63,973	50,610	4,282	9,081	231,258	139,795	44,690	46,148	625
*199	*199	..	..	2,749	2,733	12	..	4
*199	*199	..	..	2,979	2,963	12	..	4
*199	*199	..	..	3,516	3,488	12	..	16
*199	*199	..	..	3,516	3,488	12	..	16
..	..	..	..	*18,734	*16,517	*2,217	..	0
..	..	..	..	*18,734	*16,517	*2,217	..	0
..	..	..	..	*18,734	*16,517	*2,217	..	0
..	..	..	..	*18,736	*16,517	*2,217	..	*2
..	..	..	..	*9,500	*4,500	*5,000	..	..
..	..	..	..	*9,500	*4,500	*5,000	..	..
..	..	..	..	*9,500	*4,500	*5,000	..	..
..	..	..	..	*9,500	*4,500	*5,000	..	..
5,888	5,776	..	112	74,722	50,706	5,515	17,716	785
5,598	5,476	..	122	79,102	54,913	5,525	17,716	948
5,702	5,503	..	199	78,952	52,800	6,418	18,716	1,018
6,811	6,452	..	359	87,378	59,086	6,447	20,716	1,129
*100	*100	..	..	12,579	12,579	..	..	..
*100	*100	..	..	12,579	12,579	..	..	..
*100	*100	..	..	14,703	14,703	..	..	..
*100	*100	..	..	14,703	14,703	..	..	..
*1	..	*1	..	3,740	796	2,944	..	..
*1	..	*1	..	3,859	795	3,064	..	..
*1	..	*1	..	*3,859	*795	*3,064	..	..
*1	..	*1	..	*3,859	*795	*3,064	..	..
*176	..	..	*176	1,855	*50	1,805	..	..
*176	..	..	*176	2,570	*50	2,520	..	..
*176	..	..	*176	2,620	*50	2,570	..	..
*176	..	..	*176	*2,620	*50	*2,570	..	..
*600	*600	..	..	2,308	2,034	274	..	..
*900	*900	..	..	2,312	2,038	*274	..	..
*950	*950	..	..	2,259	2,038	221	..	..
*950	*950	..	..	2,259	2,038	221	..	..
*1,405	*1,405	..	..	*23,993	*21,873	*2,120	..	..
1,405	1,405	..	..	*23,993	*21,873	*2,120	..	..
2,998	2,998	..	..	25,751	22,736	3,015	..	..
3,174	3,174	..	..	25,969	22,652	3,317	..	..
..	..	..	..	75	75	..	..	..
..	..	..	..	77	77	..	..	..
..	..	..	..	78	78	..	..	..
..	..	..	..	81	81	..	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Mongolia	2009	832	832	..	..	..	..	..
	2010	*832	*832	..	..	..	..	..
	2011	*910	*910	..	..	..	..	..
	2012	*910	*910	..	..	..	..	..
Myanmar	2009	2,544	890	1,654	..	..	..	..
	2010	3,413	891	2,522	..	..	..	..
	2011	*3,413	*891	*2,522	..	..	..	..
	2012	*3,413	*891	*2,522	..	..	..	..
Nepal	2009	*630	*57	*573	..	..	..	..
	2010	*630	*57	*573	..	..	..	..
	2011	*762	53	*709	..	..	..	..
	2012	*762	53	*709	..	..	..	..
Oman	2009	4,202	4,202	..	..	..	..	..
	2010	4,265	4,265	..	..	..	..	..
	2011	4,861	4,861	..	..	..	..	..
	2012	5,808	5,808	..	..	..	..	..
Other Asia	2009	47,985	37,907	*4,539	5,144	*375	*20	..
	2010	48,905	38,662	*4,580	5,144	*476	*43	..
	2011	48,794	38,366	*4,643	5,144	*523	*118	..
	2012	48,424	37,803	*4,683	5,144	*571	*223	..
Pakistan	2009	20,921	13,978	6,481	462	..	..	..
	2010	22,477	15,209	6,481	787	..	..	..
	2011	22,797	15,454	6,556	787	..	..	..
	2012	*23,914	*16,488	*6,541	*885	..	..	..
Philippines	2009	15,635	10,311	3,307	..	63	1	1,953
	2010	16,386	10,931	3,416	..	71	2	1,966
	2011	16,189	10,782	3,507	..	115	2	1,783
	2012	17,052	11,514	3,537	..	150	3	1,848
Qatar	2009	*5,321	*5,321	..	..	..	..	..
	2010	7,830	7,830	..	..	..	..	..
	2011	7,830	7,830	..	..	..	..	..
	2012	7,830	7,830	..	..	..	..	..
Saudi Arabia	2009	44,582	44,582	..	..	..	..	..
	2010	46,374	46,374	..	..	..	..	..
	2011	51,149	51,149	..	..	..	..	..
	2012	62,132	62,132	..	..	..	..	..
Singapore	2009	*10,657	*10,657	..	..	..	..	..
	2010	*10,261	*10,261	..	..	..	..	..
	2011	*10,216	*10,216	..	..	..	..	..
	2012	*10,478	*10,478	..	..	..	..	..
Sri Lanka	2009	2,698	1,317	1,378	..	3	0	..
	2010	2,818	1,402	1,383	..	33	0	..
	2011	3,140	1,702	1,401	..	36	1	..
	2012	3,368	1,706	1,585	..	76	1	..
State of Palestine	2009	140	140	..	..	..	..	..
	2010	140	140	..	..	..	..	..
	2011	140	140	..	..	..	..	..
	2012	140	140	..	..	..	..	..
Syrian Arab Republic	2009	8,322	7,422	900	..	..	..	..
	2010	8,206	7,356	850	..	..	..	..
	2011	8,206	7,356	850	..	..	..	..
	2012	*8,206	*7,356	*850	..	..	..	..
Tajikistan	2009	5,078	319	4,759	..	..	..	..
	2010	5,105	318	4,787	..	..	..	..
	2011	5,079	324	4,755	..	..	..	..
	2012	6,168	314	5,854	..	..	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
60	60	..	..	772	772	..	..	..
*60	*60	..	..	*772	*772	..	..	..
*60	*60	..	..	*850	*850	..	..	..
*60	*60	..	..	*850	*850	..	..	..
..	..	..	..	2,544	890	1,654	..	..
..	..	..	..	3,413	891	2,522	..	..
..	..	..	..	*3,413	*891	*2,522	..	..
..	..	..	..	*3,413	*891	*2,522	..	..
*155	..	*155	..	*475	*57	*418	..	..
*155	..	*155	..	*475	*57	*418	..	..
*155	..	*155	..	*607	53	*554	..	..
*155	..	*155	..	*607	53	*554	..	..
..	..	..	..	4,202	4,202	..	..	..
..	..	..	..	4,265	4,265	..	..	..
..	..	..	..	4,861	4,861	..	..	..
..	..	..	..	5,808	5,808	..	..	..
15,420	15,420	..	..	32,565	22,487	*4,539	5,144	*395
15,652	15,652	..	..	33,253	23,010	*4,580	5,144	*519
15,648	15,648	..	..	33,146	22,718	*4,643	5,144	*641
15,683	15,683	..	..	32,741	22,120	*4,683	5,144	*794
7,123	7,123	..	..	13,798	6,855	6,481	462	..
8,363	8,363	..	..	14,114	6,846	6,481	787	..
8,353	8,353	..	..	14,444	7,101	6,556	787	..
*9,361	*9,361	..	..	*14,553	*7,127	*6,541	*885	..
*26	*10	*16	..	15,609	10,301	3,291	..	2,017
*26	*10	*16	..	16,360	10,921	3,400	..	2,039
*26	*10	*16	..	16,163	10,772	3,491	..	1,900
*26	*10	*16	..	17,026	11,504	3,521	..	2,001
*3,671	*3,671	..	..	*1,650	*1,650	..	..	..
5,432	5,432	..	..	2,398	2,398	..	..	..
5,432	5,432	..	..	2,398	2,398	..	..	..
5,432	5,432	..	..	2,398	2,398	..	..	..
*6,780	*6,780	..	..	37,802	37,802	..	..	..
*10,351	*10,351	..	..	36,023	36,023	..	..	..
*12,230	*12,230	..	..	38,919	38,919	..	..	..
*14,857	*14,857	..	..	47,275	47,275	..	..	..
*320	*320	..	..	*10,337	*10,337	..	..	..
*308	*308	..	..	*9,953	*9,953	..	..	..
*306	*306	..	..	*9,910	*9,910	..	..	..
*314	*314	..	..	*10,164	*10,164	..	..	..
0	0	..	..	2,698	1,317	1,378	..	3
0	0	..	..	2,818	1,402	1,383	..	33
0	0	..	..	3,140	1,702	1,401	..	37
0	0	..	..	3,368	1,706	1,585	..	77
..	..	..	..	140	140	..	..	..
..	..	..	..	140	140	..	..	..
..	..	..	..	140	140	..	..	..
..	..	..	..	140	140	..	..	..
1,184	1,184	..	..	7,138	6,238	900	..	..
996	996	..	..	7,210	6,360	850	..	..
996	996	..	..	7,210	6,360	850	..	..
*996	*996	..	..	*7,210	*6,360	*850	..	..
..	..	..	..	5,078	319	4,759	..	..
..	..	..	..	5,105	318	4,787	..	..
..	..	..	..	5,079	324	4,755	..	..
..	..	..	..	6,168	314	5,854	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Thailand	2009	46,578	43,077	3,488	..	3	10	0
	2010	47,456	43,939	3,488	..	3	26	0
	2011	*47,456	*43,939	*3,488	..	*3	*26	0
	2012	*47,456	*43,939	*3,488	..	*3	*26	0
Timor-Leste	2009	44	44	..	..	..	..	..
	2010	*44	*44	..	..	..	..	..
	2011	*44	*44	..	..	..	..	..
	2012	*44	*44	..	..	..	..	..
Turkey	2009	44,761	29,339	14,553	..	792	..	77
	2010	49,524	32,279	15,831	..	1,320	..	94
	2011	52,911	33,931	17,137	..	1,729	..	114
	2012	57,059	35,027	19,609	..	2,261	..	162
Turkmenistan	2009	2,852	2,851	1	..	..	..	..
	2010	*3,001	*3,000	*1	..	..	..	..
	2011	*3,201	*3,200	*1	..	..	..	..
	2012	*3,201	*3,200	*1	..	..	..	..
United Arab Emirates	2009	19,814	19,814	..	..	..	..	..
	2010	20,414	20,414	..	..	..	..	..
	2011	26,142	26,132	..	..	..	10	..
	2012	26,142	26,132	..	..	..	10	..
Uzbekistan	2009	*11,580	*9,870	*1,710	..	..	..	..
	2010	*11,580	*9,870	*1,710	..	..	..	..
	2011	*12,400	*10,569	*1,831	..	..	..	..
	2012	*12,722	*10,867	*1,855	..	..	..	..
Viet Nam	2009	*17,458	*11,950	5,500	..	8	..	..
	2010	*22,881	*16,950	5,900	..	31	..	..
	2011	*25,731	*17,700	*8,000	..	*31	..	..
	2012	*28,240	*17,700	*10,503	..	*37	..	..
Yemen	2009	1,334	1,334	..	..	..	..	..
	2010	1,334	1,334	..	..	..	..	..
	2011	1,520	1,520	..	..	..	..	..
	2012	1,520	1,520	..	..	..	..	..
Europe	2009	1,207,670	684,416	253,761	173,898	75,655	17,070	2,870
	2010	1,248,534	701,849	255,334	173,103	85,046	30,266	2,937
	2011	1,287,415	705,048	257,100	173,514	94,623	52,858	4,271
	2012	1,327,521	719,919	259,413	165,618	106,958	71,454	4,159
Albania	2009	1,462	*30	1,432	..	..	..	..
	2010	*1,462	*30	*1,432	..	..	..	..
	2011	*1,462	*30	*1,432	..	..	..	..
	2012	*1,462	*30	*1,432	..	..	..	..
Andorra	2009	*32	*5	*27	..	..	..	..
	2010	*32	*5	*27	..	..	..	..
	2011	*32	*5	*27	..	..	..	..
	2012	*32	*5	*27	..	..	..	..
Austria	2009	20,790	7,278	12,446	..	994	71	1
	2010	21,187	7,345	12,706	..	981	154	1
	2011	22,556	8,178	12,980	..	1,080	317	1
	2012	22,917	8,161	13,076	..	1,316	363	1
Belarus	2009	*8,106	*8,089	*15	..	2	..	..
	2010	8,275	8,259	15	..	2	..	..
	2011	8,375	8,356	15	..	3	..	..
	2012	8,975	8,939	33	..	3	..	..
Belgium	2009	17,497	9,184	1,417	5,902	608	386	..
	2010	18,322	9,154	1,425	5,927	912	904	..
	2011	20,098	10,285	1,426	5,927	1,069	1,391	..
	2012	20,769	9,469	1,427	5,927	1,365	2,581	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
15,971	15,971	..	..	30,607	27,106	3,488	..	13
*15,971	*15,971	..	..	31,485	27,968	3,488	..	29
*15,971	*15,971	..	..	*31,485	*27,968	*3,488	..	*29
*15,971	*15,971	..	..	*31,485	*27,968	*3,488	..	*29
..	..	..	..	44	44	..	..	..
..	..	..	..	*44	*44	..	..	..
..	..	..	..	*44	*44	..	..	..
..	..	..	..	*44	*44	..	..	..
3,056	2,511	544	1	41,705	26,828	14,009	..	868
3,143	2,598	544	1	46,381	29,681	15,287	..	1,413
3,018	2,473	544	1	49,893	31,458	16,593	..	1,842
3,201	2,656	544	1	53,858	32,371	19,065	..	2,422
..	..	..	..	2,852	2,851	1	..	..
..	..	..	..	*3,001	*3,000	*1	..	..
..	..	..	..	*3,201	*3,200	*1	..	..
..	..	..	..	*3,201	*3,200	*1	..	..
..	..	..	..	19,814	19,814	..	..	..
..	..	..	..	20,414	20,414	..	..	..
..	..	..	..	26,142	26,132	..	..	10
..	..	..	..	26,142	26,132	..	..	10
*155	*155	..	..	*11,425	*9,715	*1,710	..	..
*155	*155	..	..	*11,425	*9,715	*1,710	..	..
*155	*155	..	..	*12,245	*10,414	*1,831	..	..
*157	*157	..	..	*12,565	*10,710	*1,855	..	..
1,950	1,950	..	..	*15,508	*10,000	5,500	..	8
1,950	1,950	..	..	*20,931	*15,000	5,900	..	31
2,700	2,700	..	..	*23,031	*15,000	*8,000	..	*31
2,709	2,700	3	6	*25,531	*15,000	*10,500	..	*31
*118	*118	..	..	1,216	1,216	..	..	..
*118	*118	..	..	1,216	1,216	..	..	..
*118	*118	..	..	1,402	1,402	..	..	..
*118	*118	..	..	1,402	1,402	..	..	..
82,609	75,142	4,098	3,370	1,125,061	609,275	249,663	173,898	92,225
85,096	77,060	4,215	3,821	1,163,438	624,789	251,119	173,103	114,428
89,013	76,083	4,314	8,615	1,198,403	628,965	252,787	173,514	143,137
88,976	72,884	4,183	11,909	1,238,546	647,035	255,231	165,618	170,662
0	0	..	..	1,462	*30	1,432	..	..
0	0	..	..	*1,462	*30	*1,432	..	..
0	0	..	..	*1,462	*30	*1,432	..	..
0	0	..	..	*1,462	*30	*1,432	..	..
..	..	..	..	*32	*5	*27	..	..
..	..	..	..	*32	*5	*27	..	..
..	..	..	..	*32	*5	*27	..	..
..	..	..	..	*32	*5	*27	..	..
2,115	1,566	549	..	18,675	5,712	11,897	..	1,066
2,311	1,763	548	..	18,876	5,582	12,158	..	1,136
2,374	1,839	535	..	20,182	6,339	12,445	..	1,398
2,349	1,814	535	..	20,568	6,347	12,541	..	1,680
*377	*370	*5	2	*7,729	*7,719	*10	..	..
454	447	5	2	7,822	7,812	9	..	..
471	462	6	3	7,904	7,895	9	..	..
584	574	7	3	8,391	8,365	26	..	..
1,328	945	..	383	16,169	8,239	1,417	5,902	611
2,126	1,306	..	820	16,196	7,848	1,425	5,927	996
3,369	2,201	..	1,168	16,729	8,084	1,426	5,927	1,292
3,302	1,287	..	2,015	17,467	8,182	1,427	5,927	1,931

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Bosnia and Herzegovina	2009	*4,304	*2,187	*2,117	..	..	..	..
	2010	*4,304	*2,187	*2,117	..	..	..	..
	2011	*4,304	*2,187	*2,117	..	..	..	..
	2012	*4,304	*2,187	*2,117	..	..	..	..
Bulgaria	2009	9,597	4,369	3,001	1,892	333	2	..
	2010	10,027	4,574	3,048	1,892	488	25	..
	2011	10,236	4,541	3,108	1,892	541	154	..
	2012	11,637	4,912	3,129	1,906	677	1,013	..
Croatia	2009	3,976	1,876	2,083	..	17	..	..
	2010	4,010	1,781	2,113	..	79	..	37
	2011	4,015	1,787	2,110	..	118	..	..
	2012	4,218	1,897	2,141	..	180	..	..
Czech Republic	2009	18,326	11,654	2,184	3,830	193	465	..
	2010	19,829	11,793	2,196	3,900	213	1,727	..
	2011	20,181	11,888	2,197	3,970	213	1,913	..
	2012	20,447	11,915	2,212	4,040	258	2,022	..
Denmark	2009	13,393	9,897	9	..	3,482	5	..
	2010	13,438	9,620	9	..	3,802	7	..
	2011	13,587	9,609	9	..	3,952	17	..
	2012	14,072	9,501	9	..	4,163	399	..
Estonia	2009	2,665	2,554	7	..	104	..	..
	2010	2,751	2,637	6	..	108	..	..
	2011	2,825	2,640	5	..	180	..	..
	2012	2,923	2,649	8	..	266	..	..
Faeroe Islands	2009	100	65	32	..	*3	..	..
	2010	100	65	32	..	*3	..	..
	2011	100	65	32	..	*3	..	..
	2012	100	65	32	..	*3	..	..
Finland	2009	16,343	10,374	3,145	2,671	147	6	..
	2010	16,693	10,634	3,155	2,700	197	7	..
	2011	16,763	10,630	3,196	2,730	199	8	..
	2012	16,908	10,695	3,198	2,750	257	8	..
France	2009	119,023	25,624	25,184	63,130	4,582	263	240
	2010	124,550	28,824	25,332	63,130	5,994	1,030	240
	2011	127,263	27,792	25,347	63,130	6,679	2,803	1,512
	2012	129,243	27,764	25,367	63,130	7,517	3,953	1,512
Germany	2009	151,678	83,245	11,238	20,480	25,692	10,566	457
	2010	162,698	85,823	11,218	20,467	27,180	17,554	456
	2011	175,896	89,421	11,436	20,467	29,060	25,039	473
	2012	177,291	89,649	11,257	12,068	31,304	32,643	370
Gibraltar	2009	*43	*43	..	..	..	..	..
	2010	*43	*43	..	..	..	..	..
	2011	*43	*43	..	..	..	..	..
	2012	*43	*43	..	..	..	..	..
Greece	2009	14,627	10,209	3,201	..	1,171	46	..
	2010	15,312	10,597	3,215	..	1,298	202	..
	2011	16,524	11,048	3,224	..	1,640	612	..
	2012	22,307	15,782	3,236	..	1,753	1,536	..
Guernsey	2009	115	115	..	..	..	..	..
	2010	115	115	..	..	..	..	..
	2011	115	115	..	..	..	..	..
	2012	*115	*115	..	..	..	..	..
Hungary	2009	8,867	6,670	53	1,940	203	1	..
	2010	8,993	6,645	53	2,000	293	2	..
	2011	9,654	7,264	55	2,000	331	4	..
	2012	9,400	7,007	56	2,000	325	12	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*230	*230	..	..	*4,074	*1,957	*2,117	..	..
*230	*230	..	..	*4,074	*1,957	*2,117	..	..
*230	*230	..	..	*4,074	*1,957	*2,117	..	..
*230	*230	..	..	*4,074	*1,957	*2,117	..	..
44	44	..	..	9,553	4,325	3,001	1,892	335
52	52	..	..	9,975	4,522	3,048	1,892	513
46	46	..	..	10,190	4,495	3,108	1,892	695
*50	*50	..	..	11,587	4,862	3,129	1,906	1,690
214	210	*4	..	3,762	1,666	2,079	..	17
214	210	*4	..	3,796	1,571	2,109	..	116
*214	*210	*4	..	3,801	1,577	2,106	..	118
201	199	2	..	4,017	1,698	2,139	..	180
2,189	2,028	161	..	16,137	9,626	2,023	3,830	658
1,861	1,688	173	..	17,968	10,105	2,023	3,900	1,940
1,887	1,713	174	..	18,294	10,175	2,023	3,970	2,126
1,893	1,710	183	..	18,554	10,205	2,029	4,040	2,280
652	647	..	5	12,741	9,250	9	..	3,482
643	636	..	7	12,795	8,984	9	..	3,802
649	632	..	17	12,938	8,977	9	..	3,952
1,029	630	..	399	13,043	8,871	9	..	4,163
18	17	0	1	2,647	2,537	7	..	103
22	21	0	1	2,729	2,616	6	..	107
19	19	0	0	2,806	2,621	5	..	180
19	19	0	0	2,904	2,630	8	..	266
..	..	..	..	100	65	32	..	*3
..	..	..	..	100	65	32	..	*3
..	..	..	..	100	65	32	..	*3
..	..	..	..	100	65	32	..	*3
2,411	2,216	195	..	13,932	8,158	2,950	2,671	153
2,411	2,216	195	..	14,282	8,418	2,960	2,700	204
2,407	2,212	195	..	14,356	8,418	3,001	2,730	207
2,407	2,212	195	..	14,501	8,483	3,003	2,750	265
5,506	5,018	256	232	113,517	20,606	24,928	63,130	4,853
6,259	5,645	255	359	118,291	23,179	25,077	63,130	6,905
7,289	4,138	347	2,804	119,974	23,654	25,000	63,130	8,190
7,916	4,273	367	3,276	121,327	23,491	25,000	63,130	9,706
9,870	9,454	80	336	141,808	73,791	11,158	20,480	36,379
9,903	9,472	74	357	152,795	76,351	11,144	20,467	44,833
9,755	9,371	69	315	166,141	80,050	11,367	20,467	54,257
7,019	6,737	72	210	170,272	82,912	11,185	12,068	64,107
..	..	..	..	*43	*43	..	..	..
..	..	..	..	*43	*43	..	..	..
..	..	..	..	*43	*43	..	..	..
..	..	..	..	*43	*43	..	..	..
542	542	..	..	14,085	9,667	3,201	..	1,217
522	522	..	..	14,790	10,075	3,215	..	1,500
540	540	..	..	15,984	10,508	3,224	..	2,252
522	522	..	..	21,785	15,260	3,236	..	3,289
..	..	..	..	115	115	..	..	..
..	..	..	..	115	115	..	..	..
..	..	..	..	115	115	..	..	..
..	..	..	..	*115	*115	..	..	..
124	123	..	1	8,743	6,547	53	1,940	203
150	148	..	2	8,843	6,497	53	2,000	293
171	167	..	4	9,483	7,097	55	2,000	331
113	101	..	12	9,287	6,906	56	2,000	325

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Iceland	2009	2,571	121	1,875	..	..	..	575
	2010	2,579	121	1,883	..	..	..	575
	2011	2,669	120	1,884	..	..	..	665
	2012	2,656	114	1,877	..	..	..	665
Ireland	2009	7,630	5,640	526	..	1,264	..	200
	2010	8,525	6,407	529	..	1,389	..	200
	2011	8,791	6,431	529	..	1,631	..	200
	2012	8,770	6,278	529	..	1,763	..	200
Isle of Man	2009	182	181	1	..	..	..	..
	2010	180	179	1	..	..	..	..
	2011	180	179	1	..	..	..	..
	2012	180	179	1	..	..	..	..
Italy	2009	101,447	73,041	21,371	..	4,879	1,142	1,014
	2010	106,488	74,658	21,520	..	5,794	3,470	1,046
	2011	118,443	75,977	21,737	..	6,918	12,773	1,038
	2012	124,234	76,793	21,880	..	8,102	16,420	1,039
Jersey	2009	*217	*217	..	..	..	..	..
	2010	*217	*217	..	..	..	..	..
	2011	*219	*219	..	..	..	..	..
	2012	*219	*219	..	..	..	..	..
Latvia	2009	2,502	937	1,536	..	29	..	0
	2010	2,557	951	1,576	..	30	..	0
	2011	2,577	965	1,576	..	36	..	0
	2012	2,660	1,023	1,576	..	59	..	2
Lithuania	2009	*4,725	*2,516	*898	*1,211	*40	..	*60
	2010	*3,648	*2,615	*933	0	*40	..	*60
	2011	*3,699	*2,623	*946	0	*70	..	*60
	2012	3,806	2,710	*966	0	*70	..	*60
Luxembourg	2009	1,704	501	1,134	..	43	26	..
	2010	1,711	504	1,134	..	44	29	..
	2011	1,741	521	1,134	..	45	41	..
	2012	1,789	522	1,134	..	58	75	..
Malta	2009	*922	*922	..	..	..	0	..
	2010	*923	*923	..	..	..	0	..
	2011	*939	*923	..	..	..	*16	..
	2012	*940	*924	..	..	..	*16	..
Montenegro	2009	868	210	658	..	..	..	..
	2010	868	210	658	..	..	..	..
	2011	868	210	658	..	..	..	..
	2012	868	210	658	..	..	..	..
Netherlands	2009	25,992	23,083	37	510	2,222	68	72
	2010	26,686	23,743	37	510	2,237	88	71
	2011	28,049	24,970	37	510	2,316	145	71
	2012	29,920	26,518	37	510	2,433	365	57
Norway	2009	31,264	1,258	29,539	..	423	9	35
	2010	31,697	1,535	29,693	..	425	9	35
	2011	32,091	1,566	29,969	..	512	9	35
	2012	32,283	1,566	29,969	..	703	10	35
Poland	2009	33,032	29,985	2,338	..	709	..	..
	2010	33,360	29,910	2,342	..	1,108	..	..
	2011	34,554	30,407	2,346	..	1,800	1	..
	2012	35,283	30,367	2,351	..	2,564	1	..
Portugal	2009	17,403	8,846	5,091	..	3,326	115	25
	2010	18,932	9,871	5,106	..	3,796	134	25
	2011	19,924	9,936	5,535	..	4,256	172	25
	2012	19,752	9,360	5,717	..	4,412	238	25

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
0	0	0	..	2,571	121	1,875	..	575
0	0	0	..	2,579	121	1,883	..	575
0	0	0	..	2,669	120	1,884	..	665
0	0	0	..	2,656	114	1,877	..	665
301	301	..	..	7,329	5,339	526	..	1,464
309	309	..	..	8,216	6,098	529	..	1,589
327	327	..	..	8,464	6,104	529	..	1,831
332	332	..	..	8,438	5,946	529	..	1,963
..	..	..	..	182	181	1	..	..
..	..	..	..	180	179	1	..	..
..	..	..	..	180	179	1	..	..
..	..	..	..	180	179	1	..	..
6,114	5,810	176	128	95,333	67,231	21,195	..	6,907
6,163	5,861	172	130	100,325	68,797	21,348	..	10,180
5,776	5,476	169	131	112,667	70,501	21,568	..	20,598
4,195	3,941	128	126	120,039	72,852	21,752	..	25,435
*5	*5	..	..	*212	*212	..	..	..
*5	*5	..	..	*212	*212	..	..	..
*7	*7	..	..	*212	*212	..	..	..
*7	*7	..	..	*212	*212	..	..	..
24	16	5	3	2,478	921	1,531	..	26
23	16	5	2	2,534	935	1,571	..	28
27	21	5	1	2,550	944	1,571	..	35
42	39	3	0	2,618	984	1,573	..	61
*123	*63	..	*60	*4,602	*2,453	*898	*1,211	*40
*126	*66	..	*60	*3,522	*2,549	*933	0	*40
*127	*67	..	*60	*3,572	*2,556	*946	0	*70
*160	*100	..	*60	3,646	2,610	*966	0	*70
88	60	2	26	1,616	441	1,132	..	43
92	61	2	29	1,619	443	1,132	..	44
101	58	2	41	1,640	463	1,132	..	45
136	59	2	75	1,653	463	1,132	..	58
*1	*1	..	..	*921	*921	..	..	0
*2	*2	..	..	*921	*921	..	..	0
*2	*2	..	..	*937	*921	..	..	*16
*3	*3	..	..	*937	*921	..	..	*16
..	..	..	..	868	210	658	..	..
..	..	..	..	868	210	658	..	..
..	..	..	..	868	210	658	..	..
..	..	..	..	868	210	658	..	..
5,307	4,747	..	560	20,685	18,336	37	510	1,802
5,331	4,750	..	581	21,355	18,993	37	510	1,815
6,258	5,361	..	897	21,791	19,609	37	510	1,635
6,407	5,315	..	1,092	23,513	21,203	37	510	1,763
1,648	729	888	31	29,616	529	28,651	..	436
2,083	993	1,059	31	29,614	542	28,634	..	438
2,083	993	1,059	31	30,008	573	28,910	..	525
2,084	993	1,059	32	30,199	573	28,910	..	716
1,657	1,656	1	..	31,375	28,329	2,337	..	709
1,796	1,795	1	..	31,564	28,115	2,341	..	1,108
1,731	1,729	1	1	32,823	28,678	2,345	..	1,800
1,769	1,767	1	1	33,514	28,600	2,350	..	2,564
1,685	1,679	6	..	15,718	7,167	5,085	..	3,466
1,826	1,820	6	..	17,106	8,051	5,100	..	3,955
1,955	1,885	6	64	17,969	8,051	5,529	..	4,389
2,112	2,003	6	103	17,640	7,357	5,711	..	4,572

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Republic of Moldova	2009	504	488	16	..	..	..	..
	2010	502	486	16	..	..	..	..
	2011	503	487	16	..	..	..	..
	2012	487	471	16	..	..	..	..
Romania	2009	19,551	11,675	6,450	1,411	15	0	..
	2010	19,911	11,638	6,474	1,411	388	0	..
	2011	20,499	11,616	6,483	1,411	988	1	..
	2012	21,767	11,945	6,548	1,411	1,822	41	..
Russian Federation	2009	225,499	153,800	47,308	24,300	10	..	81
	2010	222,935	151,114	47,430	24,300	10	..	81
	2011	222,984	151,114	47,479	24,300	10	..	81
	2012	232,685	157,845	49,445	25,304	10	..	81
Serbia	2009	8,385	5,554	2,831	..	..	..	..
	2010	*8,490	*5,559	*2,931	..	..	..	..
	2011	*8,490	*5,559	*2,931	..	..	..	..
	2012	*8,490	*5,559	*2,931	..	..	..	..
Slovakia	2009	7,153	2,824	2,487	1,820	3	..	19
	2010	7,873	3,496	2,516	1,820	3	19	19
	2011	8,363	3,382	2,523	1,940	3	496	19
	2012	8,412	3,416	2,522	1,939	3	513	19
Slovenia	2009	3,050	1,310	1,070	666	..	4	..
	2010	3,193	1,261	1,254	666	..	12	..
	2011	3,268	1,270	1,253	688	..	57	..
	2012	3,351	1,267	1,254	688	..	142	..
Spain	2009	103,880	54,760	18,705	7,365	19,180	3,780	*90
	2010	109,092	57,457	18,735	7,450	20,697	4,663	*90
	2011	110,110	56,786	18,740	7,450	21,533	5,511	*90
	2012	112,468	56,786	18,750	7,450	22,779	6,613	*90
Sweden	2009	35,285	8,337	16,652	8,839	1,448	9	..
	2010	36,454	8,715	16,732	8,977	2,019	11	..
	2011	35,227	6,546	16,577	9,323	2,769	12	..
	2012	37,843	8,362	16,414	9,436	3,607	24	..
Switzerland	2009	19,508	881	15,292	3,238	18	79	..
	2010	19,706	947	15,339	3,253	42	125	..
	2011	20,059	925	15,587	3,278	46	223	..
	2012	20,310	959	15,587	3,278	49	437	..
T.F.Yug.Rep. Macedonia	2009	1,599	1,046	553	..	..	..	..
	2010	1,641	1,086	555	..	..	..	..
	2011	1,644	1,086	556	..	..	2	..
	2012	1,685	1,086	595	..	..	4	..
Ukraine	2009	54,385	35,043	5,421	13,835	86	..	..
	2010	54,567	35,186	5,458	13,835	88	..	..
	2011	54,624	35,026	5,469	13,835	146	148	..
	2012	55,001	35,129	5,470	13,835	248	319	..
United Kingdom	2009	87,469	67,772	4,382	10,858	4,429	27	1
	2010	93,658	72,928	4,384	10,865	5,386	94	1
	2011	92,871	70,319	4,419	10,663	6,476	993	1
	2012	94,499	69,525	4,430	9,946	8,889	1,706	3
Oceania	2009	68,968	51,517	14,442	..	2,244	113	653
	2010	72,034	54,121	14,537	..	2,426	198	751
	2011	73,394	54,710	14,552	..	2,799	582	751
	2012	75,295	55,293	14,598	..	3,233	1,420	751
American Samoa	2009	49	49	..	..	..	..	..
	2010	45	45	..	..	..	..	..
	2011	41	41	..	..	..	..	..
	2012	*42	*41	..	..	..	1	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
158	158	..	..	346	330	16	..	..
156	156	..	..	346	330	16	..	..
157	157	..	..	346	330	16	..	..
141	141	..	..	346	330	16	..	..
815	731	82	2	18,736	10,944	6,368	1,411	13
765	676	*83	6	19,146	10,962	6,391	1,411	382
765	668	72	25	19,734	10,948	6,411	1,411	964
2,033	1,520	93	420	19,734	10,425	6,455	1,411	1,443
17,216	16,657	559	..	208,283	137,143	46,749	24,300	91
17,530	16,971	559	..	205,405	134,143	46,871	24,300	91
17,530	16,971	559	..	205,454	134,143	46,920	24,300	91
18,365	18,061	304	..	214,320	139,784	49,141	25,304	91
*30	*30	..	..	8,355	5,524	2,831	..	..
*35	*35	..	..	*8,455	*5,524	*2,931	..	..
*35	*35	..	..	*8,455	*5,524	*2,931	..	..
*35	*35	..	..	*8,455	*5,524	*2,931	..	..
625	578	25	22	6,528	2,246	2,462	1,820	..
615	551	25	39	7,258	2,945	2,491	1,820	2
1,001	562	29	410	7,362	2,820	2,494	1,940	108
1,042	583	29	430	7,370	2,833	2,493	1,939	105
187	68	116	3	2,863	1,242	954	666	1
184	57	116	11	3,009	1,204	1,138	666	1
228	57	116	55	3,040	1,213	1,137	688	2
293	40	116	137	3,058	1,227	1,138	688	5
*7,304	*7,000	*200	*104	96,576	47,760	18,505	7,365	22,946
*7,304	*7,000	*200	*104	101,788	50,457	18,535	7,450	25,346
*7,304	*7,000	*200	*104	102,806	49,786	18,540	7,450	27,030
*7,304	*7,000	*200	*104	105,164	49,786	18,550	7,450	29,378
1,239	1,236	3	..	34,046	7,101	16,649	8,839	1,457
1,120	1,117	3	..	35,334	7,598	16,729	8,977	2,030
1,402	1,399	3	..	33,825	5,147	16,574	9,323	2,781
1,241	1,238	3	..	36,602	7,124	16,411	9,436	3,631
1,465	786	600	79	18,043	95	14,692	3,238	18
1,504	841	538	125	18,202	106	14,801	3,253	42
1,594	818	553	223	18,465	107	15,034	3,278	46
1,947	852	658	437	18,363	107	14,929	3,278	49
3	3	..	..	1,596	1,043	553	..	..
3	3	..	..	1,638	1,083	555	..	..
3	3	..	..	1,641	1,083	556	..	2
3	3	..	..	1,682	1,083	595	..	4
3,259	3,253	6	..	51,126	31,790	5,415	13,835	86
3,261	3,256	5	..	51,306	31,930	5,453	13,835	88
3,138	3,132	6	..	51,486	31,894	5,463	13,835	294
3,356	3,351	5	..	51,645	31,778	5,465	13,835	567
7,736	6,165	179	1,392	79,733	61,607	4,203	10,858	3,065
7,705	6,363	187	1,155	85,953	66,565	4,197	10,865	4,326
8,040	5,575	204	2,261	84,831	64,744	4,215	10,663	5,209
8,334	5,142	215	2,977	86,165	64,383	4,215	9,946	7,621
4,773	4,563	78	132	64,195	46,954	14,364	..	2,877
4,850	4,533	102	215	67,184	49,589	14,435	..	3,161
5,349	4,649	102	598	68,046	50,062	14,450	..	3,534
6,379	4,842	102	1,435	68,917	50,452	14,496	..	3,969
..	..	..	..	49	49	..	..	..
..	..	..	..	45	45	..	..	..
..	..	..	..	41	41	..	..	..
..	..	..	..	*42	*41	..	..	1

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Australia	2009	57,059	46,628	8,619	..	1,703	108	1
	2010	59,857	49,028	8,773	..	1,864	191	1
	2011	61,116	49,626	8,788	..	2,127	574	1
	2012	63,222	50,459	8,790	..	2,561	1,411	1
Cook Islands	2009	*8	*8	..	..	..	..	..
	2010	*8	*8	..	..	..	..	..
	2011	*8	*8	..	..	..	..	..
	2012	*8	*8	..	..	..	..	..
Fiji	2009	*215	*94	*111	..	*10	..	..
	2010	*215	*94	*111	..	*10	..	..
	2011	*215	*94	*111	..	*10	..	..
	2012	*255	*94	*151	..	*10	..	..
French Polynesia	2009	228	177	47	..	0	3	..
	2010	*228	*177	*47	..	0	*3	..
	2011	*228	*177	*47	..	0	*3	..
	2012	*228	*177	*47	..	0	*3	..
Guam	2009	552	552	..	..	..	..	..
	2010	552	552	..	..	..	..	..
	2011	552	552	..	..	..	..	..
	2012	552	552	..	..	..	..	..
Kiribati	2009	*6	*5	..	..	..	*1	..
	2010	*6	*5	..	..	..	*1	..
	2011	*6	*5	..	..	..	*1	..
	2012	*6	*5	..	..	..	*1	..
Marshall Islands	2009	*17	*17	..	..	..	0	..
	2010	*17	*17	..	..	..	0	..
	2011	*17	*17	..	..	..	0	..
	2012	*17	*17	..	..	..	0	..
Micronesia(Fed. States of)	2009	33	32	..	..	..	*1	..
	2010	33	32	..	..	..	*2	..
	2011	33	32	..	..	..	*2	..
	2012	33	32	..	..	..	*2	..
Nauru	2009	*6	*6	..	..	..	..	..
	2010	*6	*6	..	..	..	..	..
	2011	5	5	..	..	..	..	..
	2012	5	5	..	..	..	..	..
New Caledonia	2009	493	383	78	..	32	..	..
	2010	500	383	78	..	37	2	..
	2011	494	376	78	..	37	3	..
	2012	*494	*376	*78	..	*37	*3	..
New Zealand	2009	9,395	2,922	5,325	..	496	..	652
	2010	9,630	3,118	5,250	..	512	..	750
	2011	9,740	3,118	5,250	..	622	..	750
	2012	9,494	2,868	5,254	..	622	..	750
Niue	2009	*1	*1	..	..	..	..	..
	2010	*1	*1	..	..	..	..	..
	2011	*1	*1	..	..	..	..	..
	2012	*1	*1	..	..	..	..	..
Northern Mariana Islands	2009	*59	*59	..	..	..	..	..
	2010	*59	*59	..	..	..	..	..
	2011	*59	*59	..	..	..	..	..
	2012	*59	*59	..	..	..	..	..
Palau	2009	*52	*42	*10	..	..	..	..
	2010	*52	*42	*10	..	..	..	..
	2011	*52	*42	*10	..	..	..	..
	2012	*52	*42	*10	..	..	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
4,072	3,967	..	105	52,987	42,661	8,619	..	1,707
4,127	3,939	..	188	55,730	45,089	8,773	..	1,868
4,626	4,055	..	571	56,490	45,571	8,788	..	2,131
5,656	4,248	..	1,408	57,566	46,211	8,790	..	2,565
..	..	..	..	*8	*8	..	..	..
..	..	..	..	*8	*8	..	..	..
..	..	..	..	*8	*8	..	..	..
..	..	..	..	*8	*8	..	..	..
*44	*44	..	..	*171	*50	*111	..	*10
*44	*44	..	..	*171	*50	*111	..	*10
*44	*44	..	..	*171	*50	*111	..	*10
*44	*44	..	..	*211	*50	*151	..	*10
..	..	..	..	228	177	47	..	3
..	..	..	..	*228	*177	*47	..	*3
..	..	..	..	*228	*177	*47	..	*3
..	..	..	..	*228	*177	*47	..	*3
..	..	..	..	552	552	..	..	..
..	..	..	..	552	552	..	..	..
..	..	..	..	552	552	..	..	..
..	..	..	..	552	552	..	..	..
..	..	..	..	*6	*5	..	..	*1
..	..	..	..	*6	*5	..	..	*1
..	..	..	..	*6	*5	..	..	*1
..	..	..	..	*6	*5	..	..	*1
..	..	..	..	*17	*17	..	..	0
..	..	..	..	*17	*17	..	..	0
..	..	..	..	*17	*17	..	..	0
..	..	..	..	*17	*17	..	..	0
..	..	..	..	33	32	..	..	*1
..	..	..	..	33	32	..	..	*2
..	..	..	..	33	32	..	..	*2
..	..	..	..	33	32	..	..	*2
..	..	..	..	*6	*6	..	..	..
..	..	..	..	*6	*6	..	..	..
..	..	..	..	5	5	..	..	..
..	..	..	..	5	5	..	..	..
..	..	..	..	493	383	78	..	32
..	..	..	..	500	383	78	..	39
..	..	..	..	494	376	78	..	40
..	..	..	..	*494	*376	*78	..	*40
253	223	3	27	9,142	2,699	5,322	..	1,121
251	221	3	27	9,379	2,897	5,247	..	1,235
251	221	3	27	9,489	2,897	5,247	..	1,345
251	221	3	27	9,243	2,647	5,251	..	1,345
..	..	..	..	*1	*1	..	..	..
..	..	..	..	*1	*1	..	..	..
..	..	..	..	*1	*1	..	..	..
..	..	..	..	*1	*1	..	..	..
..	..	..	..	*59	*59	..	..	..
..	..	..	..	*59	*59	..	..	..
..	..	..	..	*59	*59	..	..	..
..	..	..	..	*59	*59	..	..	..
*2	*2	..	..	*50	*40	*10	..	..
*2	*2	..	..	*50	*40	*10	..	..
*2	*2	..	..	*50	*40	*10	..	..
*2	*2	..	..	*50	*40	*10	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Papua New Guinea	2009	*666	*428	*238	..	..	..	..
	2010	*691	*437	254	..	..	..	..
	2011	*691	*437	254	..	..	..	..
	2012	*691	*437	*254	..	..	..	..
Samoa	2009	42	30	12	..	..	..	..
	2010	*42	*30	*12	..	..	..	..
	2011	*42	*30	*12	..	..	..	..
	2012	*42	*30	*12	..	..	..	..
Solomon Islands	2009	*36	*36	0	..	..	..	..
	2010	*36	*36	0	..	..	..	..
	2011	*36	*36	0	..	..	..	..
	2012	*36	*36	0	..	..	..	..
Tonga	2009	*12	*12	..	..	..	..	..
	2010	14	14	..	..	..	..	..
	2011	*14	*14	..	..	..	..	..
	2012	*14	*14	..	..	..	..	..
Tuvalu	2009	*2	*2	..	..	..	..	..
	2010	*2	*2	..	..	..	..	..
	2011	*2	*2	..	..	..	..	..
	2012	*2	*2	..	..	..	..	..
Vanuatu	2009	28	25	1	..	2	..	..
	2010	29	25	1	..	3	..	..
	2011	31	27	1	..	3	0	..
	2012	31	27	1	..	3	0	..
Wallis and Futuna Is.	2009	9	9	0	..	..	0	..
	2010	11	11	0	..	..	0	..
	2011	11	11	0	..	..	0	..
	2012	11	11	0	..	..	0	..

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*394	*319	*75	..	*272	*109	*163	..	..
*418	*319	99	..	273	118	155	..	..
*418	*319	99	..	273	118	155	..	..
*418	*319	*99	..	*273	*118	*155	..	..
3	3	..	..	39	27	12	..	..
*3	*3	..	..	*39	*27	*12	..	..
*3	*3	..	..	*39	*27	*12	..	..
*3	*3	..	..	*39	*27	*12	..	..
*5	*5	..	..	*31	*31	0	..	..
*5	*5	..	..	*31	*31	0	..	..
*5	*5	..	..	*31	*31	0	..	..
*5	*5	..	..	*31	*31	0	..	..
..	..	..	..	*12	*12	..	..	..
..	..	..	..	14	14	..	..	..
..	..	..	..	*14	*14	..	..	..
..	..	..	..	*14	*14	..	..	..
..	..	..	..	*2	*2	..	..	..
..	..	..	..	*2	*2	..	..	..
..	..	..	..	*2	*2	..	..	..
..	..	..	..	*2	*2	..	..	..
..	..	..	..	28	25	1	..	2
..	..	..	..	29	25	1	..	3
..	..	..	..	31	27	1	..	3
..	..	..	..	31	27	1	..	3
..	..	..	..	9	9	0	..	0
..	..	..	..	11	11	0	..	0
..	..	..	..	11	11	0	..	0
..	..	..	..	11	11	0	..	0

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Table Notes

Data on utilization are derived by dividing the data on electricity production shown in Table 32 by the net installed capacity shown in Table 30, and then by the total number of hours in a year to yield a percentage of theoretical maximal utilization.

For this table, Other under total refers to geothermal, tide, wave, marine and other non-specified sources. Other under autoproducers refers to nuclear (if any), wind, solar, tide, wave, marine and other non-specified sources. Other under main activity producers refers to wind, solar, tide, wave, marine and other non-specified sources.

For Austria data are given in gross maximum capacity.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification.

Figure 74: Utilization of installed electric generating capacity, by region, 2012

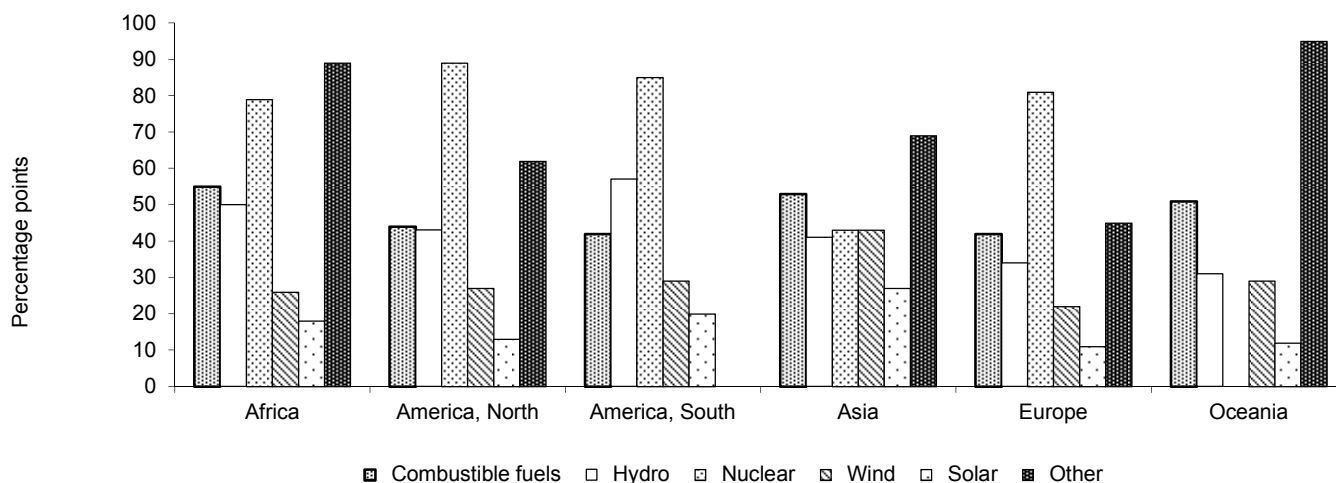


Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
World	2009	48	47	39	81	24	10	69
	2010	48	48	40	82	25	16	70
	2011	48	49	40	77	27	13	65
	2012	48	49	42	74	27	14	60
Africa	2009	53	54	47	77	25	10	90
	2010	55	56	51	73	32	14	85
	2011	55	55	50	82	30	24	87
	2012	55	55	50	79	26	18	89
Algeria	2009	39	39	13	..	..	..	..
	2010	46	47	7	..	..	..	..
	2011	51	51	21	..	..	..	..
	2012	50	51	24	..	..	..	..
Angola	2009	47	29	71	..	..	..	..
	2010	43	30	54	..	..	..	..
	2011	42	24	60	..	..	..	..
	2012	42	24	60	..	..	..	..
Benin	2009	8	8	..	..	..	..	..
	2010	10	10	..	..	..	..	..
	2011	10	10	..	..	..	..	..
	2012	11	11	..	..	..	..	..
Botswana	2009	47	47	..	..	..	..	..
	2010	40	40	..	..	..	..	..
	2011	33	33	..	..	..	..	..
	2012	19	19	..	..	..	..	..
Burkina Faso	2009	32	30	47	..	..	..	..
	2010	27	25	42	..	..	..	..
	2011	23	22	29	..	..	..	..
	2012	24	23	34	..	..	..	..
Burundi	2009	43	23	43	..	..	..	..
	2010	50	23	51	..	..	..	..
	2011	50	23	50	..	..	..	..
	2012	50	23	51	..	..	..	..
Cabo Verde	2009	39	39	..	..	25	..	..
	2010	39	42	..	..	11	3	..
	2011	38	39	..	..	85	14	..
	2012	27	28	..	..	27	11	..
Cameroon	2009	65	67	64	..	..	..	..
	2010	67	65	68	..	..	..	..
	2011	68	63	70	..	..	..	..
	2012	70	64	72	..	..	..	..
Central African Rep.	2009	42	14	62	..	..	..	..
	2010	42	15	62	..	..	..	..
	2011	45	16	67	..	..	..	..
	2012	46	16	68	..	..	..	..
Chad	2009	51	51	..	..	..	..	..
	2010	56	56	..	..	..	..	..
	2011	61	61	..	..	..	..	..
	2012	57	57	..	..	..	..	..
Comoros	2009	22	21	57	..	..	..	..
	2010	22	21	57	..	..	..	..
	2011	22	21	57	..	..	..	..
	2012	22	21	57	..	..	..	..
Congo	2009	42	82	32	..	..	..	..
	2010	50	68	41	..	..	..	..
	2011	48	64	41	..	..	..	..
	2012	49	66	43	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
41	42	42	18	48	48	39	81	26
43	44	38	17	49	48	40	82	26
44	46	42	15	48	49	40	77	26
44	46	42	15	48	49	42	74	25
33	35	12	0	55	56	48	77	35
36	38	18	0	57	58	52	73	37
40	42	18	0	56	56	51	82	37
44	46	18	65	55	56	51	79	33
11	11	..	..	40	40	13	..	..
21	21	..	..	47	48	7	..	..
59	59	..	..	50	51	21	..	..
83	83	..	..	49	49	24	..	..
28	28	..	..	49	29	71	..	..
30	30	..	..	45	30	54	..	..
29	29	..	..	43	24	60	..	..
28	28	..	..	43	23	60	..	..
23	23	..	..	8	8	..	..	..
39	39	..	..	8	9	..	..	..
40	40	..	..	9	9	..	..	..
41	41	..	..	9	9	..	..	..
..	..	..	..	54	54	..	..	..
..	..	..	..	46	46	..	..	..
..	..	..	..	38	38	..	..	..
..	..	..	..	21	22	..	..	..
..	..	..	..	32	30	47	..	..
..	..	..	..	27	25	42	..	..
16	16	..	..	25	24	29	..	..
28	28	..	..	23	21	34	..	..
..	..	..	..	43	23	43	..	..
..	..	..	..	50	23	51	..	..
..	..	..	..	50	23	50	..	..
..	..	..	..	50	23	51	..	..
11	11	..	..	39	40	..	..	25
11	11	..	..	39	42	..	..	5
..	..	..	..	38	39	..	..	29
..	..	..	..	27	28	..	..	23
65	65	..	..	64	71	64	..	..
66	66	..	..	67	60	68	..	..
65	65	..	..	69	57	70	..	..
65	65	..	..	71	60	72	..	..
..	..	..	..	42	14	62	..	..
..	..	..	..	42	15	62	..	..
..	..	..	..	45	16	67	..	..
..	..	..	..	46	16	68	..	..
..	..	..	..	51	51	..	..	..
..	..	..	..	56	56	..	..	..
..	..	..	..	61	61	..	..	..
..	..	..	..	57	57	..	..	..
..	..	..	..	22	21	57	..	..
..	..	..	..	22	21	57	..	..
..	..	..	..	22	21	57	..	..
..	..	..	..	22	21	57	..	..
..	..	..	..	42	82	32	..	..
..	..	..	..	50	68	41	..	..
..	..	..	..	48	64	41	..	..
..	..	..	..	49	66	43	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Côte d'Ivoire	2009	43	66	27	..	..	..	..
	2010	43	74	21	..	..	..	..
	2011	43	68	23	..	..	..	..
	2012	49	80	23	..	..	..	..
Dem. Rep. of the Congo	2009	36	12	36	..	..	..	..
	2010	36	12	36	..	..	..	..
	2011	36	12	36	..	..	..	..
	2012	36	12	37	..	..	..	..
Djibouti	2009	31	31	..	..	..	..	..
	2010	33	33	..	..	..	..	..
	2011	34	34	..	..	..	..	..
	2012	35	35	..	..	..	..	..
Egypt	2009	64	66	52	..	26	..	..
	2010	62	64	53	..	31	17	..
	2011	61	64	49	..	29	36	..
	2012	60	61	53	..	26	19	..
Equatorial Guinea	2009	28	29	20	..	..	..	..
	2010	28	29	20	..	..	..	..
	2011	27	28	20	..	..	..	..
	2012	27	28	20	..	..	..	..
Eritrea	2009	24	24	..	..	..	23	..
	2010	25	25	..	..	..	23	..
	2011	27	28	..	..	..	23	..
	2012	29	29	..	..	..	23	..
Ethiopia	2009	22	27	22	..	..	..	39
	2010	28	2	30	..	..	..	29
	2011	35	2	39	..	..	..	13
	2012	37	2	41	..	22	..	26
Gabon	2009	48	39	63	..	..	..	..
	2010	51	45	61	..	..	..	..
	2011	53	52	56	..	..	..	..
	2012	54	50	61	..	..	..	..
Gambia	2009	45	45	..	..	..	..	..
	2010	38	38	..	..	..	..	..
	2011	39	39	..	..	..	..	..
	2012	41	41	..	..	..	..	..
Ghana	2009	52	30	67	..	..	..	..
	2010	53	36	68	..	..	..	..
	2011	55	36	73	..	..	..	..
	2012	56	36	78	..	..	..	..
Guinea	2009	26	19	40	..	..	..	..
	2010	25	19	37	..	..	..	..
	2011	23	18	32	..	..	..	..
	2012	23	18	32	..	..	..	..
Guinea-Bissau	2009	13	13	..	..	..	..	..
	2010	13	13	..	..	..	..	..
	2011	14	14	..	..	..	..	..
	2012	14	14	..	..	..	..	..
Kenya	2009	46	48	34	..	..	..	93
	2010	46	32	51	..	..	..	87
	2011	50	38	54	..	34	..	90
	2012	50	30	64	..	34	..	91
Lesotho	2009	76	..	76	..	..	..	..
	2010	81	..	81	..	..	..	..
	2011	78	..	78	..	..	..	..
	2012	66	..	66	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
37	37	..	..	44	67	27	..	..
40	40	..	..	43	75	21	..	..
32	32	..	..	43	69	23	..	..
34	34	..	..	49	82	23	..	..
6	83	6	..	45	2	46	..	..
7	83	6	..	45	2	45	..	..
7	83	6	..	45	2	45	..	..
7	83	7	..	45	2	46	..	..
..	..	..	..	31	31	..	..	..
..	..	..	..	33	33	..	..	..
..	..	..	..	34	34	..	..	..
..	..	..	..	35	35	..	..	..
62	62	..	..	64	67	52	..	26
62	62	..	..	62	64	53	..	28
63	63	..	..	61	64	49	..	31
90	90	..	..	59	60	53	..	25
..	..	..	..	28	29	20	..	..
..	..	..	..	28	29	20	..	..
..	..	..	..	27	28	20	..	..
..	..	..	..	27	28	20	..	..
19	19	..	..	24	24	..	..	23
21	21	..	..	26	26	..	..	23
21	21	..	..	28	28	..	..	23
21	21	..	..	30	30	..	..	23
..	..	..	..	22	27	22	..	39
..	..	..	..	28	2	30	..	29
..	..	..	..	35	2	39	..	13
..	..	..	..	37	2	41	..	23
35	35	..	..	51	40	63	..	..
37	37	..	..	54	48	61	..	..
38	38	..	..	56	56	56	..	..
38	38	..	..	57	54	61	..	..
9	9	..	..	87	87	..	..	..
10	10	..	..	62	62	..	..	..
10	10	..	..	65	65	..	..	..
10	10	..	..	67	67	..	..	..
0	0	..	..	59	42	67	..	..
8	8	..	..	58	44	68	..	..
9	9	..	..	59	42	73	..	..
10	10	..	..	60	41	78	..	..
22	25	..	..	30	12	47	..	..
22	25	..	..	28	11	43	..	..
22	25	..	..	24	11	37	..	..
22	25	..	..	24	11	37	..	..
38	38	..	..	11	11	..	..	..
40	40	..	..	11	11	..	..	..
43	43	..	..	12	12	..	..	..
45	45	..	..	12	12	..	..	..
45	45	..	..	46	50	34	..	93
21	21	..	..	51	38	51	..	87
13	12	..	..	57	50	54	..	88
13	12	..	..	57	39	64	..	90
..	..	..	..	76	..	76	..	..
..	..	..	..	81	..	81	..	..
..	..	..	..	78	..	78	..	..
..	..	..	..	66	..	66	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Liberia	2009	37	37	..	..	..	..	..
	2010	37	37	..	..	..	..	..
	2011	38	38	..	..	..	..	..
	2012	38	38	..	..	..	..	..
Libya	2009	52	52	..	..	..	..	..
	2010	53	53	..	..	..	..	..
	2011	35	35	..	..	..	..	..
	2012	44	44	..	..	..	..	..
Madagascar	2009	34	22	57	..	..	10	..
	2010	31	20	63	..	..	10	..
	2011	32	22	62	..	..	10	..
	2012	34	23	67	..	..	10	..
Malawi	2009	44	10	69	..	..	..	..
	2010	46	10	72	..	..	..	..
	2011	45	10	71	..	..	..	..
	2012	38	10	58	..	..	..	..
Mali	2009	34	37	31	..	..	..	..
	2010	37	41	32	..	..	..	..
	2011	37	41	32	..	..	..	..
	2012	37	42	32	..	..	..	..
Mauritania	2009	45	45	..	..	..	..	..
	2010	42	42	..	..	..	..	..
	2011	43	43	..	..	..	..	..
	2012	48	48	..	..	..	..	..
Mauritius	2009	40	41	24	..	13	..	..
	2010	41	43	19	..	22	..	..
	2011	42	45	11	..	25	..	..
	2012	41	43	14	..	32	7	..
Morocco	2009	37	45	19	..	20	..	..
	2010	39	45	23	..	34	..	..
	2011	41	52	14	..	32	..	..
	2012	43	55	12	..	33	..	..
Mozambique	2009	80	1	89	..	..	..	..
	2010	77	1	85	..	..	..	..
	2011	78	1	86	..	..	..	..
	2012	70	1	77	..	..	..	..
Namibia	2009	43	39	44	..	..	..	..
	2010	36	28	38	..	..	..	..
	2011	47	1	73	..	..	..	..
	2012	35	5	49	..	..	..	..
Niger	2009	21	22	..	..	..	0	..
	2010	25	25	..	..	..	0	..
	2011	25	25	..	..	..	0	..
	2012	36	36	..	..	..	0	..
Nigeria	2009	26	26	27	..	..	..	..
	2010	35	35	38	..	..	..	..
	2011	35	35	35	..	..	..	..
	2012	37	38	33	..	..	..	..
Réunion	2009	46	50	50	..	11	6	..
	2010	43	50	46	..	13	10	..
	2011	41	53	31	..	9	13	..
	2012	37	43	42	..	14	14	..
Rwanda	2009	38	52	27	..	..	18	..
	2010	38	59	25	..	..	14	..
	2011	44	69	30	..	..	14	..
	2012	45	67	33	..	..	11	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
33	33	..	..	71	71	..	..	..
33	33	..	..	71	71	..	..	..
33	33	..	..	54	54	..	..	..
33	33	..	..	54	54	..	..	..
..	..	..	..	52	52	..	..	..
..	..	..	..	53	53	..	..	..
..	..	..	..	35	35	..	..	..
..	..	..	..	44	44	..	..	..
61	61	..	..	32	17	57	..	10
61	61	..	..	29	16	63	..	10
61	61	..	..	30	19	62	..	10
61	61	..	..	32	20	67	..	10
10	10	9	..	70	52	70	..	..
10	10	9	..	73	52	73	..	..
10	10	11	..	72	52	72	..	..
10	10	11	..	59	52	59	..	..
9	9	..	..	38	46	31	..	..
9	9	..	..	40	51	32	..	..
9	9	..	..	41	51	32	..	..
9	9	..	..	41	52	32	..	..
45	45	..	..	45	45	..	..	..
49	49	..	..	39	39	..	..	..
50	50	..	..	39	39	..	..	..
53	53	..	..	45	45	..	..	..
58	58	..	..	28	28	24	..	13
61	61	..	..	28	30	19	..	22
63	63	..	..	29	31	11	..	25
69	69	..	7	26	27	14	..	32
4	4	..	..	39	48	19	..	20
5	5	..	..	41	48	23	..	34
7	7	..	..	43	56	14	..	32
5	5	..	..	45	58	12	..	33
..	..	..	..	80	1	89	..	..
82	..	82	..	77	1	85	..	..
79	..	79	..	77	1	86	..	..
60	..	60	..	70	1	78	..	..
..	..	..	..	43	39	44	..	..
..	..	..	..	36	28	38	..	..
..	..	..	..	47	1	73	..	..
..	..	..	..	35	5	49	..	..
8	8	..	0	25	25	..	..	..
8	9	..	0	29	29	..	..	..
8	9	..	0	30	30	..	..	..
8	9	..	0	43	43	..	..	..
28	28	26	..	25	25	27	..	..
39	39	37	..	34	33	38	..	..
37	38	34	..	34	33	35	..	..
40	40	33	..	36	37	33	..	..
..	..	..	..	46	50	50	..	7
..	..	..	..	43	50	46	..	10
..	..	..	..	41	53	31	..	12
..	..	..	..	37	43	42	..	14
..	..	..	..	38	52	27	..	18
..	..	..	..	38	59	25	..	14
..	..	..	..	44	69	30	..	14
..	..	..	..	45	67	33	..	11

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Sao Tome and Principe	2009	42	43	35	..	..	..	..
	2010	46	50	24	..	..	..	..
	2011	37	39	30	..	..	..	..
	2012	42	43	35	..	..	..	..
Senegal	2009	44	45	..	..	..	0	..
	2010	44	44	..	..	..	..	..
	2011	35	35	..	..	..	..	..
	2012	39	39	..	..	..	..	..
Seychelles	2009	35	35	..	..	..	..	..
	2010	38	38	..	..	..	..	..
	2011	41	41	..	..	..	..	..
	2012	43	43	..	..	..	..	..
Sierra Leone	2009	20	19	20	..	..	..	..
	2010	25	9	34	..	..	..	..
	2011	26	10	35	..	..	..	..
	2012	27	26	27	..	..	..	..
Somalia	2009	47	47	..	..	..	..	..
	2010	47	47	..	..	..	..	..
	2011	47	47	..	..	..	..	..
	2012	48	48	..	..	..	..	..
South Africa	2009	64	63	66	77	57	40	..
	2010	66	66	81	73	69	13	..
	2011	67	66	80	82	69	13	..
	2012	66	65	78	79	69	44	..
St. Helena and Depend.	2009	19	19	..	..	15	..	..
	2010	19	20	..	..	15	..	..
	2011	20	21	..	..	14	..	..
	2012	20	21	..	..	14	..	..
Sudan	2009	33	52	24	..	..	..	..
	2010	37	19	46	..	..	..	..
	2011	35	20	46	..	..	..	..
	2012	40	28	48	..	..	..	..
Swaziland	2009	39	35	44	..	..	..	..
	2010	42	35	51	..	..	..	..
	2011	47	39	59	..	..	..	..
	2012	43	40	48	..	..	..	..
Togo	2009	20	27	19	..	..	..	..
	2010	24	55	16	..	..	..	..
	2011	17	14	18	..	..	..	..
	2012	15	14	15	..	..	..	..
Tunisia	2009	51	52	15	..	21	..	..
	2010	52	53	9	..	30	23	..
	2011	47	48	10	..	23	16	..
	2012	50	52	20	..	13	12	..
Uganda	2009	50	63	43	..	..	..	..
	2010	51	52	51	..	..	..	..
	2011	51	75	44	..	..	..	..
	2012	49	73	42	..	..	..	..
United Rep. of Tanzania	2009	54	54	54	..	..	..	..
	2010	53	54	53	..	..	..	..
	2011	54	72	37	..	..	..	..
	2012	60	86	34	..	..	..	..
Zambia	2009	67	4	70	..	..	..	..
	2010	66	4	69	..	..	..	..
	2011	65	6	68	..	..	..	..
	2012	67	5	70	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	42	43	35	..	..
..	..	..	..	46	50	24	..	..
..	..	..	..	37	39	30	..	..
..	..	..	..	42	43	35	..	..
42	43	..	0	45	45	..	..	..
48	48	..	..	42	42	..	..	..
40	40	..	..	32	32	..	..	..
47	47	..	..	33	33	..	..	..
..	..	..	..	35	35	..	..	..
..	..	..	..	38	38	..	..	..
..	..	..	..	41	41	..	..	..
..	..	..	..	43	43	..	..	..
..	..	..	..	20	19	20	..	..
..	..	..	..	25	9	34	..	..
..	..	..	..	26	10	35	..	..
..	..	..	..	27	26	27	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	48	48	..	..	..
47	48	40	..	64	64	68	77	53
47	47	49	..	67	67	83	73	55
61	61	49	..	67	66	82	82	55
58	59	47	..	66	65	79	79	58
..	..	..	..	19	19	..	..	15
..	..	..	..	19	20	..	..	15
..	..	..	..	20	21	..	..	14
..	..	..	..	20	21	..	..	14
..	..	..	..	33	52	24	..	..
..	..	..	..	37	19	46	..	..
..	..	..	..	35	20	46	..	..
..	..	..	..	40	28	48	..	..
37	39	..	..	41	1	47	..	..
37	39	..	..	47	0	55	..	..
41	43	..	..	55	0	63	..	..
42	43	..	..	46	9	52	..	..
38	38	..	..	20	24	19	..	..
38	38	..	..	24	58	16	..	..
42	42	..	..	16	8	18	..	..
42	42	..	..	14	8	15	..	..
20	20	..	..	56	57	15	..	21
23	23	..	..	56	58	9	..	30
16	16	..	..	51	52	10	..	23
14	14	..	..	55	58	20	..	13
28	24	32	..	51	67	44	..	..
34	19	59	..	52	55	50	..	..
36	20	63	..	52	82	43	..	..
37	21	64	..	50	79	42	..	..
0	0	..	..	55	56	54	..	..
0	0	..	..	54	56	53	..	..
0	0	..	..	55	75	37	..	..
7	0	..	..	61	89	34	..	..
49	7	58	..	67	4	70	..	..
54	7	63	..	67	4	69	..	..
54	7	64	..	66	6	68	..	..
56	7	66	..	68	5	70	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Zimbabwe	2009	40	15	83	..	..	..	..
	2010	47	24	87	..	..	..	..
	2011	49	33	78	..	..	..	..
	2012	49	31	81	..	..	..	..
America, North	2009	47	44	42	92	24	14	75
	2010	48	45	41	93	27	13	76
	2011	48	44	46	91	29	12	81
	2012	47	44	43	89	27	13	62
Anguilla	2009	37	37	..	..	..	..	..
	2010	40	40	..	..	..	..	..
	2011	39	39	..	..	..	..	..
	2012	36	36	..	..	..	..	..
Antigua and Barbuda	2009	68	68	..	..	..	..	..
	2010	68	68	..	..	..	..	..
	2011	44	44	..	..	..	..	..
	2012	44	44	..	..	..	..	..
Aruba	2009	45	45	..	..	..	..	..
	2010	33	33	..	..	41	..	..
	2011	33	32	..	..	43	..	..
	2012	33	31	..	..	52	..	..
Bahamas	2009	34	34	..	..	..	..	..
	2010	35	35	..	..	..	..	..
	2011	34	34	..	..	..	..	..
	2012	39	39	..	..	..	..	..
Barbados	2009	54	54	..	..	..	..	..
	2010	44	44	..	..	..	..	..
	2011	48	48	..	..	..	..	..
	2012	52	52	..	..	..	..	..
Belize	2009	21	8	47	..	..	..	..
	2010	33	19	57	..	..	..	..
	2011	30	18	53	..	..	..	..
	2012	32	18	55	..	..	..	..
Bermuda	2009	50	50	..	..	..	..	..
	2010	50	50	..	..	..	..	..
	2011	49	49	..	..	..	..	..
	2012	46	46	..	..	..	..	..
British Virgin Islands	2009	32	32	..	..	..	..	..
	2010	33	33	..	..	..	..	..
	2011	34	34	..	..	..	..	..
	2012	33	34	..	..	..	..	..
Canada	2009	53	41	56	81	23	12	17
	2010	52	43	53	82	25	6	16
	2011	55	46	57	84	22	6	785
	2012	54	43	57	86	21	5	15
Cayman Islands	2009	47	47	..	..	..	..	..
	2010	47	47	..	..	..	..	..
	2011	47	47	..	..	..	..	..
	2012	46	46	..	..	..	..	..
Costa Rica	2009	44	11	53	..	49	0	82
	2010	37	10	53	..	13	0	81
	2011	39	13	48	..	39	0	69
	2012	43	18	49	..	44	1	74
Cuba	2009	36	37	30	..	..	..	..
	2010	34	34	18	..	..	..	..
	2011	34	34	17	..	..	..	..
	2012	37	37	20	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
26	26	..	..	40	15	83	..	..
26	26	..	..	47	24	87	..	..
26	26	..	..	50	33	78	..	..
25	25	..	..	50	31	81	..	..
52	52	68	15	47	43	42	92	29
52	54	60	17	48	45	41	93	31
52	55	66	16	48	44	45	91	33
53	57	71	15	47	44	42	89	29
..	..	..	..	37	37	..	..	..
..	..	..	..	40	40	..	..	..
..	..	..	..	39	39	..	..	..
..	..	..	..	36	36	..	..	..
11	11	..	..	69	69	..	..	..
11	11	..	..	69	69	..	..	..
11	11	..	..	45	45	..	..	..
11	11	..	..	45	45	..	..	..
..	..	..	..	45	45	..	..	..
..	..	..	..	33	33	..	..	41
..	..	..	..	33	32	..	..	43
..	..	..	..	33	31	..	..	52
15	15	..	..	36	36	..	..	..
15	15	..	..	37	37	..	..	..
15	15	..	..	36	36	..	..	..
15	15	..	..	42	42	..	..	..
59	59	..	..	54	54	..	..	..
56	56	..	..	43	43	..	..	..
6	6	..	..	50	50	..	..	..
5	5	..	..	54	54	..	..	..
1	1	..	..	26	12	47	..	..
33	33	..	..	33	13	57	..	..
29	29	..	..	31	13	53	..	..
31	31	..	..	32	13	55	..	..
39	39	..	..	51	51	..	..	..
37	37	..	..	51	51	..	..	..
36	36	..	..	49	49	..	..	..
36	36	..	..	46	46	..	..	..
..	..	..	..	32	32	..	..	..
..	..	..	..	33	33	..	..	..
..	..	..	..	34	34	..	..	..
..	..	..	..	33	34	..	..	..
59	47	70	..	53	40	55	81	23
55	50	60	..	52	42	53	82	24
62	56	68	..	54	45	56	84	23
66	56	76	..	53	41	56	86	19
..	..	..	..	47	47	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	46	46	..	..	..
71	59	72	72	40	9	51	..	66
88	69	94	79	32	8	48	..	28
82	66	82	86	34	12	44	..	48
89	85	84	102	37	15	44	..	50
18	18	..	..	38	39	30	..	..
17	17	..	..	36	36	18	..	..
17	17	..	..	36	36	17	..	..
18	18	..	..	39	39	20	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Dominica	2009	44	41	56	..	..	..	..
	2010	42	43	40	..	..	..	..
	2011	43	37	62	..	..	..	..
	2012	43	42	46	..	..	..	..
Dominican Republic	2009	49	53	32	..	..	..	..
	2010	53	57	31	..	..	..	..
	2011	54	58	33	..	5	..	..
	2012	52	57	34	..	13	..	..
El Salvador	2009	45	40	36	..	..	..	85
	2010	47	35	50	..	..	..	85
	2011	45	33	49	..	..	..	86
	2012	46	37	45	..	..	..	85
Greenland	2009	27	16	42	..	..	..	..
	2010	26	13	47	..	..	..	..
	2011	27	10	53	..	..	..	..
	2012	27	11	47	..	..	..	..
Grenada	2009	70	70	..	..	..	..	..
	2010	49	49	..	..	..	..	..
	2011	47	47	..	..	..	..	..
	2012	47	47	..	..	..	..	..
Guadeloupe	2009	44	48	16	..	28	17	38
	2010	47	52	20	..	29	17	40
	2011	43	49	20	..	29	17	36
	2012	42	48	18	..	22	17	37
Guatemala	2009	43	42	43	..	..	..	90
	2010	41	35	52	..	..	..	63
	2011	41	33	54	..	..	..	57
	2012	42	33	57	..	..	..	57
Haiti	2009	34	33	38	..	..	..	..
	2010	25	23	33	..	..	..	..
	2011	40	45	23	..	..	..	..
	2012	49	55	30	..	..	..	..
Honduras	2009	47	40	61	..	..	..	..
	2010	48	39	67	..	..	..	..
	2011	48	45	61	..	13	..	..
	2012	49	45	59	..	38	..	..
Jamaica	2009	59	59	79	..	28	..	..
	2010	59	59	76	..	29	..	..
	2011	57	58	76	..	25	..	..
	2012	52	53	75	..	30	..	..
Martinique	2009	48	48	..	..	16	37	..
	2010	50	50	..	..	17	35	..
	2011	49	49	..	..	17	35	..
	2012	44	50	..	..	17	8	..
Mexico	2009	50	55	26	88	14	5	80
	2010	50	53	36	49	25	12	78
	2011	55	59	36	84	31	11	84
	2012	54	60	31	62	32	15	82
Montserrat	2009	58	58	..	..	..	..	..
	2010	58	58	..	..	..	..	..
	2011	58	58	..	..	..	..	..
	2012	58	58	..	..	..	..	..
Netherlands Antilles	2009	46	46	..	..	..	..	..
	2010	46	46	..	..	..	..	..
	2011	47	47	..	..	..	..	..
	2012	47	47	..	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	44	41	56	..	..
..	..	..	..	42	43	40	..	..
..	..	..	..	43	37	62	..	..
..	..	..	..	43	42	46	..	..
85	85	..	..	45	48	32	..	..
89	89	..	..	48	52	31	..	..
90	90	..	..	49	53	33	..	5
94	94	..	..	48	52	34	..	13
37	41	..	..	46	39	38	..	85
40	40	..	..	48	33	50	..	85
37	37	..	..	46	31	49	..	86
38	38	..	..	47	37	45	..	85
47	47	..	..	25	11	42	..	..
46	46	..	..	24	7	47	..	..
40	40	..	..	26	5	53	..	..
39	39	..	..	26	5	47	..	..
..	..	..	..	70	70	..	..	..
..	..	..	..	49	49	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	44	48	16	..	26
..	..	..	..	47	52	20	..	25
..	..	..	..	43	49	20	..	23
..	..	..	..	42	48	18	..	21
24	24	63	..	47	48	43	..	90
19	18	63	..	46	41	51	..	63
15	15	63	..	46	40	54	..	57
18	17	66	..	47	39	57	..	57
..	..	..	..	38	38	38	..	..
..	..	..	..	35	35	33	..	..
5	5	..	..	54	68	23	..	..
7	7	..	..	65	81	30	..	..
2	2	..	..	49	43	61	..	..
2	2	..	..	50	42	67	..	..
1	1	..	..	51	49	61	..	13
1	1	..	..	52	49	59	..	38
70	74	..	28	55	54	79	..	..
76	81	..	29	53	52	76	..	..
70	79	..	27	52	51	76	..	..
60	64	..	32	49	48	75	..	..
86	86	..	..	47	48	..	..	35
86	86	..	..	49	50	..	..	34
86	86	..	..	48	49	..	..	34
86	86	..	..	44	49	..	..	8
37	39	19	10	52	58	27	88	76
35	35	35	25	52	56	36	49	74
37	38	36	28	58	63	36	84	80
38	39	40	30	57	64	31	62	61
..	..	..	..	58	58	..	..	..
..	..	..	..	58	58	..	..	..
..	..	..	..	58	58	..	..	..
..	..	..	..	58	58	..	..	..
59	59	..	..	36	36	..	..	..
60	60	..	..	37	37	..	..	..
60	60	..	..	37	37	..	..	..
61	61	..	..	37	37	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Nicaragua	2009	40	42	32	..	31	..	39
	2010	39	38	55	..	30	..	39
	2011	39	38	48	..	37	..	35
	2012	38	36	45	..	58	..	36
Panama	2009	43	37	51	..	..	..	..
	2010	43	35	51	..	..	..	..
	2011	38	41	35	..	..	..	..
	2012	41	39	42	..	..	..	..
Puerto Rico	2009	47	48	11	..	..	..	..
	2010	48	49	12	..	..	..	..
	2011	46	46	16	..	..	..	..
	2012	46	47	16	..	..	..	..
St. Kitts-Nevis	2009	64	64	..	..	..	..	..
	2010	59	59	..	..	..	..	..
	2011	56	56	..	..	..	..	..
	2012	49	49	..	..	..	..	..
St. Lucia	2009	55	55	..	..	..	..	..
	2010	57	57	..	..	..	..	..
	2011	58	58	..	..	..	..	..
	2012	51	51	..	..	..	..	..
St. Pierre-Miquelon	2009	19	19	..	..	15	..	..
	2010	19	19	..	..	20	..	..
	2011	19	19	..	..	21	..	..
	2012	19	19	..	..	17	..	..
St. Vincent-Grenadines	2009	39	39	39	..	..	..	..
	2010	39	39	40	..	..	..	..
	2011	40	40	39	..	..	..	..
	2012	40	40	39	..	..	..	..
Trinidad and Tobago	2009	50	50	..	..	..	..	..
	2010	54	54	..	..	..	..	..
	2011	44	44	..	..	..	..	..
	2012	40	40	..	..	..	..	..
Turks and Caicos Islands	2009	44	44	..	..	..	..	..
	2010	43	43	..	..	..	..	..
	2011	38	38	..	..	..	..	..
	2012	34	34	..	..	..	..	..
United States	2009	47	43	34	94	25	14	73
	2010	48	45	32	95	28	13	77
	2011	47	43	39	92	30	12	78
	2012	46	43	34	90	27	13	57
United States Virgin Is.	2009	33	33	..	..	..	..	..
	2010	34	34	..	..	..	..	..
	2011	31	31	..	..	..	..	..
	2012	30	30	..	..	..	..	..
America, South	2009	49	36	57	80	20	12	44
	2010	51	41	56	82	35	17	51
	2011	51	38	59	83	21	8	..
	2012	51	42	57	85	29	16	..
Argentina	2009	43	43	39	92	15	35	..
	2010	44	44	39	80	10	40	..
	2011	44	46	36	71	4	5	..
	2012	44	47	34	72	31	8	..
Bolivia (Plur. State of)	2009	46	42	54	..	..	11	..
	2010	48	47	51	..	..	17	..
	2011	49	47	54	..	..	17	..
	2012	46	44	54	..	..	17	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
38	38	..	..	40	43	32	..	36
79	79	..	..	36	34	55	..	35
76	76	..	..	36	35	48	..	36
91	91	..	..	35	32	45	..	42
1	1	..	..	49	44	54	..	..
1	2	..	..	48	42	55	..	..
1	2	..	..	41	48	36	..	..
1	2	..	..	45	46	44	..	..
47	47	..	..	47	48	11	..	..
47	47	..	..	48	49	12	..	..
47	47	..	..	46	46	16	..	..
47	47	..	..	46	47	16	..	..
13	13	..	..	75	75	..	..	..
11	11	..	..	68	68	..	..	..
11	11	..	..	63	63	..	..	..
10	10	..	..	54	54	..	..	..
..	..	..	..	55	55	..	..	..
..	..	..	..	57	57	..	..	..
..	..	..	..	58	58	..	..	..
..	..	..	..	51	51	..	..	..
..	..	..	..	19	19	..	..	15
..	..	..	..	19	19	..	..	20
..	..	..	..	19	19	..	..	21
..	..	..	..	19	19	..	..	17
..	..	..	..	39	39	39	..	..
..	..	..	..	39	39	40	..	..
..	..	..	..	40	40	39	..	..
..	..	..	..	40	40	39	..	..
2	2	..	..	55	55	..	..	..
4	4	..	..	60	60	..	..	..
4	4	..	..	47	47	..	..	..
4	4	..	..	43	43	..	..	..
..	..	..	..	44	44	..	..	..
..	..	..	..	43	43	..	..	..
..	..	..	..	38	38	..	..	..
..	..	..	..	34	34	..	..	..
56	58	63	14	46	42	34	94	28
58	62	56	14	48	44	32	95	31
55	61	56	13	47	43	39	92	32
54	64	41	12	46	43	34	90	29
36	36	..	..	32	32	..	..	..
36	36	..	..	34	34	..	..	..
30	30	..	..	31	31	..	..	..
..	..	..	..	30	30	..	..	..
47	44	64	40	50	34	57	80	19
47	44	67	33	51	41	56	82	36
47	44	59	6	51	36	59	83	21
46	44	53	10	51	41	57	85	29
43	43	52	..	43	43	39	92	15
45	45	53	..	43	44	39	80	10
44	44	33	..	44	47	36	71	4
43	43	33	..	44	48	34	72	30
8	10	..	11	49	45	57	..	..
9	11	..	17	52	51	54	..	..
10	13	..	17	52	50	57	..	..
10	12	..	17	49	46	57	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Brazil	2009	50	27	57	74	23	..	..
	2010	52	38	57	83	41	..	..
	2011	52	31	59	89	22	..	..
	2012	52	40	56	91	31	..	..
Chile	2009	44	40	53	..	6	..	44
	2010	43	41	45	..	23	..	51
	2011	43	44	40	..	21	..	..
	2012	44	47	38	..	23	..	..
Colombia	2009	48	39	52	..	37	..	..
	2010	50	47	51	..	25	..	..
	2011	47	22	62	..	26	..	..
	2012	48	27	60	..	35	..	..
Ecuador	2009	48	45	52	..	14	..	..
	2010	47	49	45	..	14	..	..
	2011	49	42	58	..	14	..	..
	2012	52	43	62	..	9	..	..
Falkland Is. (Malvinas)	2009	21	22	..	..	9	..	..
	2010	17	15	..	..	22	..	..
	2011	17	15	..	..	22	..	..
	2012	17	15	..	..	22	..	..
French Guiana	2009	37	39	35	..	..	..	..
	2010	39	34	44	..	..	..	..
	2011	39	33	44	..	..	..	..
	2012	35	24	51	..	..	17	..
Guyana	2009	24	24	..	..	..	..	..
	2010	28	28	..	..	..	..	..
	2011	30	30	..	..	..	..	..
	2012	30	30	..	..	..	..	..
Paraguay	2009	71	1	71	..	..	..	..
	2010	70	1	70	..	..	..	..
	2011	75	1	75	..	..	..	..
	2012	78	2	78	..	..	..	..
Peru	2009	47	33	68	..	16	..	..
	2010	48	35	67	..	16	..	..
	2011	52	39	71	..	16	..	..
	2012	46	33	71	..	0	23	..
Suriname	2009	47	43	53	..	..	..	..
	2010	48	41	56	..	..	..	..
	2011	54	46	63	..	..	..	..
	2012	55	47	64	..	..	..	..
Uruguay	2009	38	38	39	..	12	..	..
	2010	44	21	62	..	18	..	..
	2011	42	35	48	..	29	..	..
	2012	41	42	40	..	25	..	..
Venezuela(Bolivar. Rep.)	2009	55	38	67	..	..	..	..
	2010	54	46	60	..	..	..	..
	2011	54	40	65	..	..	..	..
	2012	53	39	64	..	..	..	..
Asia	2009	49	51	35	75	42	12	69
	2010	49	50	37	75	40	36	67
	2011	50	53	36	53	43	25	69
	2012	51	53	41	43	43	27	69
Afghanistan	2009	21	11	24	..	..	..	..
	2010	21	12	23	..	..	..	..
	2011	27	17	30	..	..	..	..
	2012	27	14	32	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
53	48	65	..	50	16	56	74	23
54	49	70	..	52	29	57	83	41
49	46	58	..	52	20	59	89	22
47	46	52	..	53	36	56	91	31
48	47	64	44	44	39	53	..	6
32	31	46	51	43	43	45	..	23
52	52	46	34	42	43	40	..	21
64	65	49	21	43	45	38	..	23
78	82	56	..	47	37	52	..	37
38	34	59	..	50	48	51	..	25
44	30	83	..	47	22	61	..	26
34	23	66	..	48	28	60	..	35
76	76	82	..	44	36	51	..	14
61	61	64	..	44	45	44	..	14
72	71	79	..	45	32	57	..	14
74	74	77	..	48	33	62	..	9
11	11	..	..	24	25	..	..	9
11	11	..	..	18	16	..	..	22
11	11	..	..	18	16	..	..	22
11	11	..	..	18	16	..	..	22
..	..	..	..	37	39	35	..	..
..	..	..	..	39	34	44	..	..
..	..	..	..	39	33	44	..	..
..	..	..	..	35	24	51	..	17
9	9	..	..	41	41	..	..	..
19	19	..	..	38	38	..	..	..
20	20	..	..	41	41	..	..	..
18	18	..	..	41	41	..	..	..
..	..	..	..	71	1	71	..	..
..	..	..	..	70	1	70	..	..
..	..	..	..	75	1	75	..	..
..	..	..	..	78	2	78	..	..
18	15	61	..	52	38	68	..	16
21	18	59	..	52	40	67	..	16
27	24	67	..	57	44	72	..	16
24	21	72	..	49	35	71	..	3
51	49	53	..	28	28	..	..	..
54	52	56	..	22	22	..	..	..
65	67	63	..	20	20	..	..	..
66	68	64	..	20	20	..	..	..
46	47	..	37	38	37	39	..	..
59	64	..	0	43	15	62	..	25
57	62	..	1	41	31	48	..	41
58	63	..	1	40	39	40	..	35
17	17	..	..	57	40	67	..	..
17	17	..	..	56	50	60	..	..
15	15	..	..	56	42	65	..	..
18	18	..	..	54	42	64	..	..
37	39	15	16	50	53	35	75	50
38	40	18	15	50	52	37	75	48
41	43	23	15	51	55	36	53	45
41	43	22	15	52	55	41	43	46
17	1	24	..	23	21	24	..	..
17	1	24	..	23	23	23	..	..
18	1	25	..	33	33	33	..	..
19	1	27	..	33	26	35	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Armenia	2009	20	8	21	70	..	..	..
	2010	21	9	25	70	..	..	..
	2011	24	14	24	71	..	..	..
	2012	23	16	21	65	..	..	..
Azerbaijan	2009	34	35	27	..	..	..	..
	2010	33	32	40	..	..	..	..
	2011	36	38	31	..	..	..	..
	2012	41	45	20	..	..	..	..
Bahrain	2009	44	44	..	..	..	..	..
	2010	46	46	..	..	..	..	..
	2011	46	46	..	..	..	..	..
	2012	48	48	..	..	..	..	..
Bangladesh	2009	74	77	21	..	..	..	..
	2010	82	84	36	..	..	..	..
	2011	76	77	43	..	..	..	..
	2012	69	70	39	..	..	..	..
Bhutan	2009	53	0	54	..	..	..	..
	2010	56	0	56	..	..	..	..
	2011	54	0	54	..	..	..	..
	2012	52	0	52	..	..	..	..
Brunei Darussalam	2009	54	54	..	..	..	..	..
	2010	55	55	..	..	..	..	..
	2011	53	53	..	..	..	..	..
	2012	54	54	..	..	..	..	..
Cambodia	2009	38	39	32	..	..	23	..
	2010	31	32	22	..	..	17	..
	2011	21	32	2	..	..	17	..
	2012	28	29	26	..	..	17	..
China	2009	49	51	41	89	50	..	..
	2010	48	49	42	77	48	50	..
	2011	54	56	41	90	48	34	..
	2012	56	57	51	90	48	42	..
China, Hong Kong SAR	2009	35	35	..	..	11	..	..
	2010	35	35	..	..	11	..	..
	2011	35	35	..	..	11	..	..
	2012	35	35	..	..	11	..	..
China, Macao SAR	2009	34	34	..	..	..	..	..
	2010	25	25	..	..	..	..	..
	2011	19	19	..	..	..	..	..
	2012	11	11	..	..	..	..	..
Cyprus	2009	44	44	..	..	..	15	..
	2010	39	41	..	..	4	27	..
	2011	53	56	..	..	16	34	..
	2012	34	34	..	..	26	63	..
Georgia	2009	21	7	29	..	..	..	..
	2010	25	4	37	..	..	..	..
	2011	28	18	35	..	..	..	..
	2012	27	17	32	..	..	..	..
India	2009	55	60	33	47	..	..	..
	2010	53	57	35	63	..	..	..
	2011	47	50	30	77	..	..	..
	2012	45	47	33	79	..	..	..
Indonesia	2009	55	60	26	..	1	..	89
	2010	62	65	40	..	0	..	90
	2011	52	53	36	..	0	11	88
	2012	44	44	31	..	0	9	80

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	20	8	21	70	15
..	..	..	..	21	9	25	70	20
..	..	..	..	24	14	24	71	17
..	..	..	..	23	16	21	65	11
31	31	..	..	34	35	27	..	..
30	30	..	..	33	32	40	..	..
34	34	..	..	37	38	31	..	..
148	148	..	..	39	42	20	..	..
40	40	..	..	48	48	..	..	..
39	39	..	..	53	53	..	..	..
40	40	..	..	52	52	..	..	..
40	40	..	..	57	57	..	..	..
60	60	..	..	81	85	21	..	..
76	76	..	..	85	88	36	..	..
78	78	..	..	75	77	43	..	..
66	66	..	..	70	72	39	..	..
..	..	..	..	53	0	54	..	..
..	..	..	..	56	0	56	..	..
..	..	..	..	54	0	54	..	..
..	..	..	..	52	0	52	..	..
58	58	..	..	53	53	..	..	..
57	57	..	..	55	55	..	..	..
52	52	..	..	53	53	..	..	..
62	62	..	..	54	54	..	..	..
..	..	..	..	38	39	32	..	23
..	..	..	..	31	32	22	..	17
..	..	..	..	21	32	2	..	17
..	..	..	..	28	29	26	..	17
48	53	..	..	49	51	42	89	50
54	59	..	..	48	48	44	77	49
62	68	..	..	53	56	42	90	44
63	69	..	..	56	56	53	90	47
..	..	..	..	35	35	..	..	11
..	..	..	..	35	35	..	..	11
..	..	..	..	35	35	..	..	11
..	..	..	..	35	35	..	..	11
53	53	..	..	33	33	..	..	..
61	61	..	..	23	23	..	..	..
49	49	..	..	18	18	..	..	..
52	52	..	..	9	9	..	..	..
49	51	..	11	44	44	..	..	17
48	50	..	23	39	41	..	..	5
43	44	..	23	53	56	..	..	17
38	39	..	23	34	34	..	..	28
..	..	..	..	21	7	29	..	..
..	..	..	..	25	4	37	..	..
..	..	..	..	28	18	35	..	..
..	..	..	..	27	17	32	..	..
41	41	43	..	57	65	33	47	..
38	38	43	..	56	61	35	63	..
40	40	43	..	48	52	30	77	..
40	40	43	..	46	48	33	79	..
1	2	0	..	67	72	35	..	89
34	44	0	..	68	69	54	..	90
65	67	48	..	50	50	34	..	88
89	93	50	..	38	37	29	..	80

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Iran(Islamic Rep. of)	2009	45	50	11	..	28	8	..
	2010	43	48	13	..	20	10	..
	2011	42	47	16	4	25	6	..
	2012	42	47	15	21	22	7	..
Iraq	2009	37	41	15	..	..	..	..
	2010	39	43	22	..	..	..	..
	2011	37	40	19	..	..	..	..
	2012	42	44	25	..	..	..	..
Israel	2009	51	51	39	..	17	11	51
	2010	51	52	51	..	15	11	10
	2011	49	50	47	..	13	12	7
	2012	50	50	54	..	11	21	0
Japan	2009	42	42	20	65	21	12	62
	2010	44	45	22	67	20	12	56
	2011	41	52	22	24	22	12	57
	2012	40	55	19	4	22	12	58
Jordan	2009	55	55	56	..	9	..	..
	2010	53	53	58	..	9	..	..
	2011	45	45	52	..	2	..	..
	2012	51	51	58	..	2	..	..
Kazakhstan	2009	48	50	35	..	..	..	..
	2010	50	52	41	..	..	..	..
	2011	53	54	41	..	..	..	..
	2012	56	58	39	..	17	..	..
Korea, Dem.Ppl's.Rep.	2009	25	22	29	..	..	..	..
	2010	26	21	31	..	..	..	..
	2011	23	15	30	..	..	..	..
	2012	23	15	31	..	..	..	..
Korea, Republic of	2009	64	61	12	95	22	12	46
	2010	67	65	13	96	24	14	59
	2011	71	70	14	94	23	14	54
	2012	65	65	14	83	23	12	..
Kuwait	2009	48	48	..	..	..	..	..
	2010	51	51	..	..	..	..	..
	2011	44	44	..	..	..	..	..
	2012	48	48	..	..	..	..	..
Kyrgyzstan	2009	34	12	40	..	..	..	..
	2010	36	14	41	..	..	..	..
	2011	45	15	53	..	..	..	..
	2012	45	14	53	..	..	..	..
Lao People's Dem. Rep.	2009	22	68	21	..	..	13	..
	2010	16	68	15	..	..	13	..
	2011	16	68	15	..	..	13	..
	2012	16	68	15	..	..	13	..
Lebanon	2009	54	57	26	..	..	..	..
	2010	56	58	35	..	..	..	..
	2011	58	59	42	..	..	..	..
	2012	53	53	52	..	..	..	..
Malaysia	2009	48	49	36	..	..	..	..
	2010	53	54	34	..	..	..	..
	2011	50	52	29	..	..	..	..
	2012	53	55	31	..	..	..	..
Maldives	2009	45	45	..	..	..	..	..
	2010	38	38	..	..	..	..	..
	2011	40	40	..	..	..	..	..
	2012	42	42	..	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
20	20	..	..	47	53	11	..	28
17	17	..	..	46	51	13	..	19
22	22	..	..	44	49	16	4	24
22	22	..	..	44	50	15	21	21
..	..	..	..	37	41	15	..	..
..	..	..	..	39	43	22	..	..
..	..	..	..	37	40	19	..	..
..	..	..	..	42	44	25	..	..
51	55	23	38	51	51	46	..	32
41	48	23	11	52	52	62	..	13
30	45	29	11	50	50	55	..	4
28	31	23	21	51	51	66	..	2
31	31	76	16	44	46	19	65	60
28	28	43	15	49	52	20	67	49
26	26	47	15	45	61	19	24	48
26	26	43	15	44	66	17	4	50
15	15	..	..	58	58	56	..	9
17	17	..	..	56	56	58	..	9
15	15	..	..	47	47	52	..	2
14	14	..	..	53	53	58	..	2
..	..	..	..	48	50	35	..	..
..	..	..	..	50	52	41	..	..
..	..	..	..	53	54	41	..	..
..	..	..	..	56	58	39	..	17
..	..	..	..	25	22	29	..	..
..	..	..	..	26	21	31	..	..
..	..	..	..	23	15	30	..	..
..	..	..	..	23	15	31	..	..
46	47	..	7	66	62	12	95	18
58	59	..	10	68	65	13	96	20
59	61	..	13	71	71	14	94	21
52	54	..	7	66	66	14	83	22
..	..	..	..	48	48	..	..	..
..	..	..	..	52	52	..	..	..
..	..	..	..	45	45	..	..	..
..	..	..	..	49	49	..	..	..
..	..	..	..	34	12	40	..	..
..	..	..	..	36	14	41	..	..
..	..	..	..	45	15	53	..	..
..	..	..	..	45	14	53	..	..
13	..	..	13	23	68	21	..	..
13	..	..	13	16	68	15	..	..
13	..	..	13	16	68	15	..	..
13	..	..	13	16	68	15	..	..
56	56	..	..	53	57	26	..	..
57	57	..	..	55	58	35	..	..
57	57	..	..	59	61	42	..	..
72	72	..	..	45	44	52	..	..
16	16	..	..	50	51	36	..	..
15	15	..	..	55	57	34	..	..
20	20	..	..	53	56	29	..	..
22	22	..	..	56	60	31	..	..
..	..	..	..	45	45	..	..	..
..	..	..	..	38	38	..	..	..
..	..	..	..	40	40	..	..	..
..	..	..	..	42	42	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Mongolia	2009	55	55	..	..	..	..	..
	2010	59	59	..	..	..	..	..
	2011	57	57	..	..	..	..	..
	2012	60	60	..	..	..	..	..
Myanmar	2009	31	22	36	..	..	..	..
	2010	29	31	28	..	..	..	..
	2011	35	38	34	..	..	..	..
	2012	37	40	36	..	..	..	..
Nepal	2009	56	3	62	..	..	..	..
	2010	58	1	64	..	..	..	..
	2011	52	0	56	..	..	..	..
	2012	53	4	57	..	..	..	..
Oman	2009	48	48	..	..	..	..	..
	2010	53	53	..	..	..	..	..
	2011	50	50	..	..	..	..	..
	2012	49	49	..	..	..	..	..
Other Asia	2009	55	54	18	92	24	5	..
	2010	58	58	18	92	23	6	..
	2011	59	60	17	93	30	3	..
	2012	59	60	21	90	25	14	..
Pakistan	2009	52	53	49	72	..	..	..
	2010	48	44	56	50	..	..	..
	2011	48	45	50	76	..	..	..
	2012	46	43	52	59	..	..	..
Philippines	2009	45	46	34	..	12	15	60
	2010	47	52	26	..	10	7	58
	2011	49	52	32	..	9	7	64
	2012	49	52	33	..	6	5	63
Qatar	2009	52	52	..	..	..	..	..
	2010	41	41	..	..	..	..	..
	2011	45	45	..	..	..	..	..
	2012	51	51	..	..	..	..	..
Saudi Arabia	2009	56	56	..	..	..	..	..
	2010	59	59	..	..	..	..	..
	2011	56	56	..	..	..	..	..
	2012	50	50	..	..	..	..	..
Singapore	2009	45	45	..	..	..	..	..
	2010	50	50	..	..	..	..	..
	2011	51	51	..	..	..	..	..
	2012	51	51	..	..	..	..	..
Sri Lanka	2009	42	53	32	..	13	3,884	..
	2010	44	41	47	..	18	4,111	..
	2011	42	46	37	..	29	72	..
	2012	40	56	24	..	22	79	..
State of Palestine	2009	41	41	..	..	..	..	..
	2010	39	39	..	..	..	..	..
	2011	46	46	..	..	..	..	..
	2012	38	38	..	..	..	..	..
Syrian Arab Republic	2009	59	64	24	..	..	..	..
	2010	65	68	35	..	..	..	..
	2011	58	60	44	..	..	..	..
	2012	43	43	43	..	..	..	..
Tajikistan	2009	36	8	38	..	..	..	..
	2010	37	1	39	..	..	..	..
	2011	36	1	39	..	..	..	..
	2012	31	3	33	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
4	4	..	..	59	59	..	..	..
5	5	..	..	63	63	..	..	..
6	6	..	..	61	61	..	..	..
6	6	..	..	64	64	..	..	..
..	..	..	..	31	22	36	..	..
..	..	..	..	29	31	28	..	..
..	..	..	..	35	38	34	..	..
..	..	..	..	37	40	36	..	..
3	..	3	..	74	3	84	..	..
3	..	3	..	76	1	86	..	..
4	..	4	..	65	0	71	..	..
6	..	6	..	65	4	71	..	..
..	..	..	..	48	48	..	..	..
..	..	..	..	53	53	..	..	..
..	..	..	..	50	50	..	..	..
..	..	..	..	49	49	..	..	..
27	27	..	..	68	73	18	92	23
27	27	..	..	72	79	18	92	22
27	27	..	..	74	83	17	93	25
25	25	..	..	75	85	21	90	22
59	59	..	..	48	46	49	72	..
51	51	..	..	46	37	56	50	..
54	54	..	..	44	35	50	76	..
49	49	..	..	44	35	52	59	..
15	19	12	..	45	46	34	..	59
15	19	12	..	47	52	26	..	56
15	19	12	..	49	52	32	..	60
15	19	12	..	49	52	33	..	59
66	66	..	..	21	21	..	..	..
54	54	..	..	12	12	..	..	..
60	60	..	..	11	11	..	..	..
67	67	..	..	14	14	..	..	..
56	56	..	..	56	56	..	..	..
59	59	..	..	59	59	..	..	..
56	56	..	..	56	56	..	..	..
50	50	..	..	50	50	..	..	..
41	41	..	..	45	45	..	..	..
47	47	..	..	51	51	..	..	..
49	49	..	..	51	51	..	..	..
63	63	..	..	51	51	..	..	..
..	..	..	..	42	53	32	..	13
..	..	..	..	44	41	47	..	18
..	..	..	..	42	46	37	..	28
..	..	..	..	40	56	24	..	22
..	..	..	..	41	41	..	..	..
..	..	..	..	39	39	..	..	..
..	..	..	..	46	46	..	..	..
..	..	..	..	38	38	..	..	..
10	10	..	..	68	74	24	..	..
12	12	..	..	72	77	35	..	..
12	12	..	..	65	68	44	..	..
9	9	..	..	48	49	43	..	..
..	..	..	..	36	8	38	..	..
..	..	..	..	37	1	39	..	..
..	..	..	..	36	1	39	..	..
..	..	..	..	31	3	33	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Thailand	2009	36	37	23	..	4	10	76
	2010	38	40	18	..	11	10	76
	2011	36	37	26	..	11	10	76
	2012	40	41	28	..	11	10	38
Timor-Leste	2009	34	34	..	..	..	..	..
	2010	35	35	..	..	..	..	..
	2011	36	36	..	..	..	..	..
	2012	33	33	..	..	..	..	..
Turkey	2009	50	61	28	..	22	..	65
	2010	49	55	37	..	25	..	81
	2011	49	58	35	..	31	..	69
	2012	48	57	34	..	30	..	63
Turkmenistan	2009	64	64	34	..	..	..	..
	2010	63	63	34	..	..	..	..
	2011	61	61	0	..	..	..	..
	2012	63	63	0	..	..	..	..
United Arab Emirates	2009	52	52	..	..	..	..	..
	2010	55	55	..	..	..	..	..
	2011	43	43	..	..	..	..	..
	2012	44	44	..	..	..	..	..
Uzbekistan	2009	49	47	62	..	..	..	..
	2010	51	47	72	..	..	..	..
	2011	48	46	64	..	..	..	..
	2012	47	43	69	..	..	..	..
Viet Nam	2009	54	51	62	..	..	..	..
	2010	47	45	54	..	..	..	..
	2011	47	41	59	..	32	..	..
	2012	48	42	58	..	28	..	..
Yemen	2009	58	58	..	..	..	..	..
	2010	66	66	..	..	..	..	..
	2011	47	47	..	..	..	..	..
	2012	49	49	..	..	..	..	..
Europe	2009	44	44	34	77	20	9	57
	2010	45	44	35	79	20	9	57
	2011	43	44	31	79	22	10	41
	2012	42	42	34	81	22	11	43
Albania	2009	41	2	42	..	..	..	..
	2010	60	5	62	..	..	..	..
	2011	31	10	31	..	..	..	..
	2012	33	0	34	..	..	..	..
Andorra	2009	29	43	27	..	..	..	..
	2010	41	29	43	..	..	..	..
	2011	33	28	34	..	..	..	..
	2012	33	28	34	..	..	..	..
Austria	2009	38	37	40	..	23	8	23
	2010	38	43	37	..	24	7	11
	2011	33	36	33	..	20	6	11
	2012	36	31	42	..	21	11	11
Belarus	2009	43	43	33	..	8	..	..
	2010	48	48	35	..	8	..	..
	2011	44	44	31	..	3	..	..
	2012	39	39	24	..	20	..	..
Belgium	2009	60	51	14	91	19	5	..
	2010	59	54	13	92	16	7	..
	2011	51	41	11	93	25	10	..
	2012	46	43	13	78	23	10	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
11	11	..	..	50	53	23	..	10
11	11	..	..	52	57	18	..	11
11	11	..	..	50	53	26	..	11
11	11	..	..	55	58	28	..	11
..	..	..	..	34	34	..	..	..
..	..	..	..	35	35	..	..	..
..	..	..	..	36	36	..	..	..
..	..	..	..	33	33	..	..	..
50	54	33	23	50	62	28	..	25
45	49	26	23	49	56	38	..	29
46	51	26	23	50	58	35	..	34
47	50	35	23	48	58	34	..	32
..	..	..	..	64	64	34	..	..
..	..	..	..	63	63	34	..	..
..	..	..	..	61	61	0	..	..
..	..	..	..	63	63	0	..	..
..	..	..	..	52	52	..	..	..
..	..	..	..	55	55	..	..	..
..	..	..	..	43	43	..	..	..
..	..	..	..	44	44	..	..	..
14	14	..	..	50	48	62	..	..
14	14	..	..	51	48	72	..	..
15	15	..	..	49	46	64	..	..
14	14	..	..	48	44	69	..	..
14	14	..	..	59	58	62	..	..
18	18	..	..	50	48	54	..	..
15	15	..	..	50	46	59	..	32
16	16	..	..	52	47	58	..	33
59	59	..	..	58	58	..	..	..
43	43	..	..	69	69	..	..	..
26	26	..	..	48	48	..	..	..
32	32	..	..	51	51	..	..	..
44	45	44	22	44	43	34	77	19
47	49	42	21	45	44	35	79	18
45	49	41	15	43	43	31	79	19
45	50	43	15	42	41	33	81	19
..	..	..	..	41	2	42	..	..
..	..	..	..	60	5	62	..	..
..	..	..	..	31	10	31	..	..
..	..	..	..	33	0	34	..	..
..	..	..	..	29	43	27	..	..
..	..	..	..	41	29	43	..	..
..	..	..	..	33	28	34	..	..
..	..	..	..	33	28	34	..	..
46	53	26	..	37	32	41	..	22
46	54	22	..	37	39	38	..	22
45	53	21	..	32	31	34	..	17
45	51	25	..	35	25	42	..	19
53	53	32	8	42	42	34	..	..
61	62	4	8	47	47	52	..	..
63	64	8	3	43	43	46	..	..
60	60	10	7	38	38	28	..	..
33	43	..	5	62	52	14	91	19
28	39	..	8	63	57	13	92	15
22	27	..	12	57	45	11	93	20
28	52	..	12	49	42	13	78	16

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Bosnia and Herzegovina	2009	42	49	34	..	..	..	..
	2010	45	47	43	..	..	..	..
	2011	41	57	24	..	..	..	..
	2012	37	52	23	..	..	..	..
Bulgaria	2009	51	61	15	92	8	17	..
	2010	53	62	21	92	16	7	..
	2011	57	75	14	98	18	7	..
	2012	46	59	15	95	21	9	..
Croatia	2009	37	36	37	..	36	..	..
	2010	40	35	46	..	20	..	..
	2011	31	38	25	..	19	..	..
	2012	29	33	26	..	21	..	..
Czech Republic	2009	51	51	16	81	17	2	..
	2010	49	52	18	82	18	4	..
	2011	50	52	14	81	21	13	..
	2012	49	50	15	86	18	12	..
Denmark	2009	31	34	24	..	22	9	..
	2010	33	37	27	..	23	10	..
	2011	30	30	22	..	28	10	..
	2012	25	24	22	..	28	3	..
Estonia	2009	38	38	52	..	21	..	..
	2010	54	55	51	..	29	..	..
	2011	52	54	68	..	23	..	..
	2012	47	50	60	..	19	..	..
Faeroe Islands	2009	32	29	33	..	57	..	..
	2010	32	35	24	..	52	..	..
	2011	31	29	33	..	55	..	..
	2012	33	32	36	..	41	..	..
Finland	2009	50	39	46	101	22	8	..
	2010	55	48	47	96	17	8	..
	2011	50	40	44	97	28	7	..
	2012	48	32	60	95	22	7	..
France	2009	51	25	28	74	20	8	21
	2010	52	25	30	77	19	7	23
	2011	50	22	22	80	21	8	4
	2012	50	23	29	77	23	12	8
Germany	2009	45	53	25	75	17	7	53
	2010	44	55	28	78	16	8	59
	2011	40	52	23	60	19	9	56
	2012	41	54	28	94	18	9	63
Gibraltar	2009	46	46	..	..	..	..	..
	2010	47	47	..	..	..	..	..
	2011	45	45	..	..	..	..	..
	2012	47	47	..	..	..	..	..
Greece	2009	48	59	20	..	25	12	..
	2010	43	51	27	..	24	9	..
	2011	41	53	15	..	23	11	..
	2012	31	37	16	..	25	13	..
Guernsey	2009	17	17	..	..	..	..	..
	2010	15	15	..	..	..	..	..
	2011	8	8	..	..	..	..	..
	2012	7	7	..	..	..	..	..
Hungary	2009	46	34	49	91	19	11	..
	2010	47	36	40	90	21	6	..
	2011	43	31	46	90	22	3	..
	2012	42	29	43	90	27	8	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
16	16	..	..	43	53	34	..	..
20	20	..	..	47	51	43	..	..
16	16	..	..	42	62	24	..	..
17	17	..	..	38	56	23	..	..
53	49	..	..	51	61	15	92	8
53	50	..	..	53	63	21	92	15
36	31	..	..	57	75	14	98	16
62	58	..	..	46	59	15	95	14
22	22	14	..	38	38	37	..	36
24	24	23	..	41	37	46	..	14
28	28	11	..	31	40	25	..	19
22	22	29	..	29	34	26	..	21
46	47	40	..	52	51	14	81	7
57	58	45	..	49	51	15	82	6
49	51	33	..	50	52	12	81	14
48	50	33	..	49	50	13	86	13
37	37	..	9	31	34	24	..	22
41	41	..	10	33	37	27	..	23
38	39	..	10	29	30	22	..	28
23	35	..	3	25	24	22	..	28
61	64	..	11	37	38	52	..	22
56	58	..	11	54	55	51	..	29
63	63	..	..	52	54	68	..	23
59	58	..	..	47	49	60	..	19
..	..	..	..	32	29	33	..	57
..	..	..	..	32	35	24	..	52
..	..	..	..	31	29	33	..	55
..	..	..	..	33	32	36	..	41
47	46	52	..	51	37	46	101	25
52	51	50	..	56	47	47	96	19
50	49	56	..	50	37	44	97	30
48	45	73	..	47	28	59	95	23
28	28	36	19	52	24	28	74	19
24	24	36	18	54	25	30	77	17
24	34	23	9	52	20	22	80	17
30	42	26	15	51	19	29	77	19
53	53	52	51	44	53	25	75	14
61	61	58	55	43	54	28	78	13
59	59	54	59	39	52	23	60	15
72	72	55	72	39	52	28	94	14
..	..	..	..	46	46	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	45	45	..	..	..
..	..	..	..	47	47	..	..	..
41	41	..	..	48	60	20	..	24
54	54	..	..	42	50	27	..	22
54	54	..	..	41	53	15	..	20
51	51	..	..	31	36	16	..	19
..	..	..	..	17	17	..	..	..
..	..	..	..	15	15	..	..	..
..	..	..	..	8	8	..	..	..
..	..	..	..	7	7	..	..	..
32	33	..	11	46	34	49	91	19
32	33	..	6	48	36	40	90	21
44	45	..	3	43	30	46	90	22
48	53	..	8	42	29	43	90	27

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Iceland	2009	75	0	75	..	..	..	90
	2010	76	0	76	..	..	..	89
	2011	74	0	76	..	..	..	81
	2012	75	0	75	..	..	..	89
Ireland	2009	42	49	27	..	27	..	..
	2010	38	45	17	..	23	..	..
	2011	36	40	15	..	31	..	..
	2012	36	41	22	..	26	..	..
Isle of Man	2009	33	33	39	..	..	..	..
	2010	32	32	34	..	..	..	..
	2011	32	32	35	..	..	..	..
	2012	19	19	50	..	..	..	..
Italy	2009	33	35	29	..	15	7	67
	2010	32	35	29	..	18	6	67
	2011	29	34	25	..	16	10	71
	2012	27	32	23	..	19	13	70
Jersey	2009	3	3	..	..	..	..	..
	2010	3	3	..	..	..	..	..
	2011	2	2	..	..	..	..	..
	2012	2	2	..	..	..	..	..
Latvia	2009	25	25	26	..	20	..	..
	2010	30	37	25	..	19	..	..
	2011	27	37	21	..	23	..	..
	2012	26	26	27	..	22	..	..
Lithuania	2009	37	13	14	102	45	..	..
	2010	18	17	16	..	64	..	..
	2011	15	13	13	..	77	..	..
	2012	15	14	11	..	88	..	..
Luxembourg	2009	26	68	8	..	17	9	..
	2010	31	69	15	..	14	8	..
	2011	24	55	11	..	16	7	..
	2012	24	56	12	..	15	6	..
Malta	2009	27	27	..	..	..	..	..
	2010	26	26	..	..	..	..	..
	2011	27	27	..	..	..	6	..
	2012	28	28	..	..	..	9	..
Montenegro	2009	36	37	36	..	..	..	..
	2010	53	69	48	..	..	..	..
	2011	35	79	21	..	..	..	..
	2012	37	74	26	..	..	..	..
Netherlands	2009	50	52	30	95	24	8	21
	2010	51	53	32	89	20	8	25
	2011	46	47	18	93	25	8	24
	2012	39	40	32	88	23	8	29
Norway	2009	48	42	49	..	26	..	2
	2010	45	41	45	..	24	..	9
	2011	45	34	46	..	29	..	8
	2012	52	24	54	..	25	..	0
Poland	2009	52	56	15	..	17	..	..
	2010	54	58	17	..	17	..	..
	2011	54	59	13	..	20	..	..
	2012	52	58	12	..	21	11	..
Portugal	2009	33	43	20	..	26	16	84
	2010	33	32	37	..	28	18	90
	2011	30	35	25	..	25	19	96
	2012	27	36	13	..	27	19	67

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	75	0	75	..	90
..	..	..	..	76	0	76	..	89
..	..	..	..	74	0	76	..	81
..	..	..	..	75	0	75	..	89
70	70	..	..	41	48	27	..	23
72	72	..	..	37	43	17	..	20
68	68	..	..	34	38	15	..	27
73	73	..	..	34	39	22	..	23
..	..	..	..	33	33	39	..	..
..	..	..	..	32	32	34	..	..
..	..	..	..	32	32	35	..	..
..	..	..	..	19	19	50	..	..
38	37	58	34	33	35	28	..	21
44	44	62	45	32	35	29	..	19
47	46	59	45	28	33	25	..	15
44	44	51	42	27	32	23	..	17
41	41	..	..	2	2	..	..	..
35	35	..	..	2	2	..	..	..
54	54	..	..	1	1	..	..	..
55	55	..	..	1	1	..	..	..
36	45	18	15	25	25	26	..	20
41	49	23	29	29	37	26	..	18
37	43	21	0	27	37	21	..	23
50	52	27	..	26	25	27	..	21
58	64	..	..	37	12	14	102	45
50	52	..	..	17	16	16	..	64
54	58	..	..	13	12	13	..	77
56	64	..	..	13	12	11	..	88
27	34	34	9	26	72	8	..	17
27	35	46	8	31	74	15	..	14
24	35	23	7	24	57	11	..	16
19	35	29	6	25	58	12	..	15
0	0	..	..	27	27	..	..	..
11	11	..	..	26	26	..	..	..
11	11	..	..	27	27	..	..	6
34	34	..	..	28	28	..	..	9
..	..	..	..	36	37	36	..	..
..	..	..	..	53	69	48	..	..
..	..	..	..	35	79	21	..	..
..	..	..	..	37	74	26	..	..
47	50	..	22	51	52	30	95	23
49	53	..	19	51	53	32	89	20
44	48	..	21	47	47	18	93	26
43	49	..	17	38	38	32	88	24
66	69	64	..	47	4	48	..	26
55	59	51	..	44	6	45	..	24
52	50	55	..	45	7	46	..	28
44	34	55	..	53	7	54	..	25
47	47	23	..	53	57	15	..	17
51	51	23	..	54	59	17	..	17
55	55	23	..	54	59	13	..	20
55	55	23	11	52	58	12	..	21
44	44	30	..	32	43	20	..	26
48	48	36	..	31	29	37	..	28
49	50	27	14	28	32	25	..	25
45	47	19	16	25	33	13	..	27

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Republic of Moldova	2009	23	23	39	..	..	..	..
	2010	24	23	56	..	..	..	..
	2011	23	22	54	..	..	..	..
	2012	22	22	24	..	..	..	..
Romania	2009	34	30	28	95	7	..	..
	2010	35	28	36	94	9	..	..
	2011	35	34	26	95	16	11	..
	2012	31	31	22	93	17	2	..
Russian Federation	2009	50	48	42	77	5	..	65
	2010	53	53	41	80	5	..	71
	2011	54	54	40	81	6	..	74
	2012	53	52	39	80	6	..	67
Serbia	2009	52	56	45	..	..	..	..
	2010	51	52	49	..	..	..	..
	2011	52	60	36	..	..	..	..
	2012	49	55	39	..	..	..	..
Slovakia	2009	42	30	21	88	23	..	23
	2010	40	25	26	91	23	10	24
	2011	39	29	19	91	19	9	47
	2012	39	28	20	91	23	9	41
Slovenia	2009	61	52	50	98	..	11	..
	2010	59	55	43	97	..	12	..
	2011	56	55	34	103	..	13	..
	2012	54	54	37	92	..	13	..
Spain	2009	32	35	18	82	23	18	43
	2010	32	28	28	95	24	18	20
	2011	30	30	20	88	23	19	22
	2012	30	30	15	94	25	21	22
Sweden	2009	44	22	45	67	20	9	..
	2010	47	27	45	74	20	9	..
	2011	49	30	46	74	25	10	..
	2012	50	22	55	77	23	9	..
Switzerland	2009	40	41	28	98	15	7	..
	2010	39	43	28	92	10	8	..
	2011	37	44	25	93	17	8	..
	2012	39	44	30	89	21	8	..
T.F.Yug.Rep. Macedonia	2009	49	61	26	..	..	..	..
	2010	51	51	50	..	..	..	..
	2011	47	56	29	..	..	6	..
	2012	42	55	20	..	..	9	..
Ukraine	2009	36	26	25	68	6	..	..
	2010	39	28	28	74	6	..	..
	2011	41	31	23	74	7	2	..
	2012	41	32	23	74	13	12	..
United Kingdom	2009	49	49	23	73	24	8	11
	2010	47	47	18	65	22	5	23
	2011	45	45	22	74	27	3	11
	2012	44	43	21	81	25	8	15
Oceania	2009	50	56	30	..	27	17	85
	2010	49	54	32	..	32	17	89
	2011	48	52	35	..	32	17	93
	2012	46	51	31	..	29	12	94
American Samoa	2009	42	42	..	..	..	..	..
	2010	41	41	..	..	..	..	..
	2011	44	44	..	..	..	..	..
	2012	43	44	..	..	..	13	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
2	2	..	..	33	33	39	..	..
3	3	..	..	34	33	56	..	..
2	2	..	..	32	31	54	..	..
3	3	..	..	30	30	24	..	..
32	33	31	6	34	30	28	95	7
40	40	37	11	35	28	36	94	9
41	45	20	11	34	33	26	95	16
24	29	19	5	32	31	22	93	19
35	35	19	..	51	50	43	77	59
40	41	19	..	54	54	41	80	64
42	42	23	..	55	55	41	81	66
42	42	38	..	53	54	39	80	60
61	61	..	..	52	56	45	..	..
93	93	..	..	51	52	49	..	..
75	75	..	..	52	60	36	..	..
56	56	..	..	49	55	39	..	..
38	38	49	23	42	28	21	88	..
38	39	50	18	41	22	25	91	11
28	41	40	11	41	27	19	91	9
28	40	35	11	40	25	20	91	10
28	50	16	11	64	52	54	98	11
29	58	16	12	61	55	46	97	11
22	50	12	13	59	55	36	103	11
21	72	12	13	57	53	40	92	14
60	61	35	42	30	31	18	82	22
61	62	48	22	29	24	28	95	23
64	65	49	23	28	25	20	88	22
65	66	26	23	28	25	15	94	24
51	51	61	..	44	17	45	67	20
67	67	53	..	46	21	45	74	20
49	49	57	..	49	25	46	74	25
58	58	65	..	50	16	55	77	23
46	43	55	7	40	28	27	98	15
47	45	59	8	39	23	27	92	10
43	47	51	8	36	23	24	93	17
39	46	49	8	39	30	29	89	21
4	4	..	..	49	61	26	..	..
8	8	..	..	51	51	50	..	..
8	8	..	..	47	56	29	..	6
8	8	..	..	42	55	20	..	9
16	16	49	..	38	27	25	68	6
17	17	64	..	41	29	27	74	7
13	13	40	..	42	32	23	74	5
13	13	46	..	43	34	23	74	13
62	72	60	20	48	46	22	73	26
62	69	53	21	45	45	16	65	21
58	75	61	16	44	42	20	74	28
57	81	59	15	43	40	19	81	25
48	48	54	18	50	57	30	..	40
48	49	42	18	49	54	32	..	45
45	49	42	17	48	52	34	..	45
40	49	42	12	47	52	31	..	41
..	..	..	..	42	42	..	..	..
..	..	..	..	41	41	..	..	..
..	..	..	..	44	44	..	..	..
..	..	..	..	43	44	..	..	13

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Australia	2009	50	57	16	..	26	17	..
	2010	48	54	18	..	31	17	11
	2011	47	53	22	..	31	17	11
	2012	45	51	18	..	27	12	0
Cook Islands	2009	47	47	..	..	..	..	..
	2010	48	48	..	..	..	..	..
	2011	48	48	..	..	..	..	..
	2012	47	47	..	..	..	..	..
Fiji	2009	43	41	47	..	8	..	..
	2010	46	55	43	..	7	..	..
	2011	44	45	47	..	6	..	..
	2012	37	37	40	..	8	..	..
French Polynesia	2009	37	34	51	..	14	14	..
	2010	41	35	67	..	12	14	..
	2011	38	34	54	..	12	14	..
	2012	38	36	50	..	13	15	..
Guam	2009	39	39	..	..	..	..	..
	2010	39	39	..	..	..	..	..
	2011	38	38	..	..	..	..	..
	2012	37	37	..	..	..	..	..
Kiribati	2009	42	46	..	..	..	..	..
	2010	46	50	..	..	..	..	..
	2011	46	50	..	..	..	..	..
	2012	46	50	..	..	..	..	..
Marshall Islands	2009	74	74	..	..	..	..	..
	2010	75	75	..	..	..	..	..
	2011	75	75	..	..	..	..	..
	2012	75	75	..	..	..	..	..
Micronesia(Fed. States of)	2009	25	25	..	..	..	12	..
	2010	24	25	..	..	..	15	..
	2011	23	23	..	..	..	15	..
	2012	23	24	..	..	..	15	..
Nauru	2009	40	40	..	..	..	..	..
	2010	43	43	..	..	..	..	..
	2011	50	50	..	..	..	..	..
	2012	51	51	..	..	..	..	..
New Caledonia	2009	45	44	59	..	15	..	..
	2010	49	54	39	..	16	14	..
	2011	52	56	55	..	14	12	..
	2012	52	55	59	..	18	15	..
New Zealand	2009	53	50	52	..	34	..	85
	2010	53	46	54	..	36	..	90
	2011	52	41	55	..	36	..	93
	2012	53	52	50	..	38	..	94
Niue	2009	34	34	..	..	..	..	..
	2010	34	34	..	..	..	..	..
	2011	34	34	..	..	..	..	..
	2012	34	34	..	..	..	..	..
Northern Mariana Islands	2009	77	77	..	..	..	..	..
	2010	77	77	..	..	..	..	..
	2011	77	77	..	..	..	..	..
	2012	77	77	..	..	..	..	..
Palau	2009	22	23	21	..	..	..	..
	2010	22	22	21	..	..	..	..
	2011	21	21	21	..	..	..	..
	2012	21	21	21	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
45	46	..	17	50	58	16	..	26
45	46	..	17	48	55	18	..	31
43	47	..	17	48	53	22	..	31
38	46	..	12	46	52	18	..	27
..	..	..	..	47	47	..	..	..
..	..	..	..	48	48	..	..	..
..	..	..	..	48	48	..	..	..
..	..	..	..	47	47	..	..	..
8	8	..	..	52	71	47	..	8
9	9	..	..	56	95	43	..	7
9	9	..	..	53	78	47	..	6
9	9	..	..	43	62	40	..	8
..	..	..	..	37	34	51	..	14
..	..	..	..	41	35	67	..	14
..	..	..	..	38	34	54	..	14
..	..	..	..	38	36	50	..	15
..	..	..	..	39	39	..	..	..
..	..	..	..	39	39	..	..	..
..	..	..	..	38	38	..	..	..
..	..	..	..	37	37	..	..	..
..	..	..	..	42	46	..	..	..
..	..	..	..	46	50	..	..	..
..	..	..	..	46	50	..	..	..
..	..	..	..	46	50	..	..	..
..	..	..	..	74	74	..	..	..
..	..	..	..	75	75	..	..	..
..	..	..	..	75	75	..	..	..
..	..	..	..	75	75	..	..	..
..	..	..	..	25	25	..	..	12
..	..	..	..	24	25	..	..	15
..	..	..	..	23	23	..	..	15
..	..	..	..	23	24	..	..	15
..	..	..	..	40	40	..	..	..
..	..	..	..	43	43	..	..	..
..	..	..	..	50	50	..	..	..
..	..	..	..	51	51	..	..	..
..	..	..	..	45	44	59	..	15
..	..	..	..	49	54	39	..	16
..	..	..	..	52	56	55	..	14
..	..	..	..	52	55	59	..	18
59	61	46	23	53	49	52	..	64
63	65	46	23	53	45	54	..	69
59	60	46	23	52	40	55	..	68
62	65	46	24	53	51	50	..	70
..	..	..	..	34	34	..	..	..
..	..	..	..	34	34	..	..	..
..	..	..	..	34	34	..	..	..
..	..	..	..	34	34	..	..	..
..	..	..	..	77	77	..	..	..
..	..	..	..	77	77	..	..	..
..	..	..	..	77	77	..	..	..
..	..	..	..	77	77	..	..	..
34	34	..	..	22	22	21	..	..
34	34	..	..	21	21	21	..	..
34	34	..	..	20	20	21	..	..
34	34	..	..	20	20	21	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Papua New Guinea	2009	57	66	41	..	..	..	..
	2010	57	64	44	..	..	..	..
	2011	58	66	44	..	..	..	..
	2012	58	66	44	..	..	..	..
Samoa	2009	31	29	37	..	..	..	..
	2010	32	27	45	..	..	..	..
	2011	31	30	33	..	..	..	..
	2012	32	31	35	..	..	..	..
Solomon Islands	2009	27	27	..	..	..	..	..
	2010	28	28	..	..	..	..	..
	2011	26	26	..	..	..	..	..
	2012	26	26	..	..	..	..	..
Tonga	2009	52	52	..	..	..	..	..
	2010	43	43	..	..	..	..	..
	2011	43	43	..	..	..	..	..
	2012	43	43	..	..	..	..	..
Tuvalu	2009	26	26	..	..	..	..	..
	2010	26	26	..	..	..	..	..
	2011	27	27	..	..	..	..	..
	2012	27	27	..	..	..	..	..
Vanuatu	2009	28	26	70	..	26	..	..
	2010	27	25	76	..	20	..	..
	2011	25	24	54	..	19	..	..
	2012	24	24	69	..	11	..	..
Wallis and Futuna Is.	2009	25	25	..	..	..	..	..
	2010	20	20	..	..	..	..	..
	2011	20	20	..	..	..	..	..
	2012	19	20	..	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
74	79	55	..	32	29	35	..	..
67	75	42	..	40	32	46	..	..
70	79	42	..	40	32	46	..	..
70	79	42	..	40	32	46	..	..
23	23	..	..	32	29	37	..	..
23	23	..	..	33	27	45	..	..
23	23	..	..	32	31	33	..	..
23	23	..	..	33	32	35	..	..
18	18	..	..	28	28	..	..	..
19	19	..	..	29	29	..	..	..
18	18	..	..	27	28	..	..	..
18	18	..	..	28	28	..	..	..
..	..	..	..	52	52	..	..	..
..	..	..	..	43	43	..	..	..
..	..	..	..	43	43	..	..	..
..	..	..	..	43	43	..	..	..
..	..	..	..	26	26	..	..	..
..	..	..	..	26	26	..	..	..
..	..	..	..	27	27	..	..	..
..	..	..	..	27	27	..	..	..
..	..	..	..	28	26	70	..	26
..	..	..	..	27	25	76	..	20
..	..	..	..	25	24	54	..	18
..	..	..	..	24	24	69	..	11
..	..	..	..	25	25	..	..	..
..	..	..	..	20	20	..	..	..
..	..	..	..	20	20	..	..	..
..	..	..	..	19	20	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Table Notes

For this table, Other under total refers to geothermal, tide, wave, marine, electricity from chemical heat, and other non-specified sources. Other under autoproducers refers to nuclear (if any), wind, solar, tide, wave, marine, electricity from chemical heat, and other non-specified sources. Other under main activity producers refers to wind, solar, tide, wave, marine, electricity from chemical heat, and other non-specified sources.

For India, thermal production includes also wind electricity.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification.

Figure 75: World electricity generation by source, 1990-2012

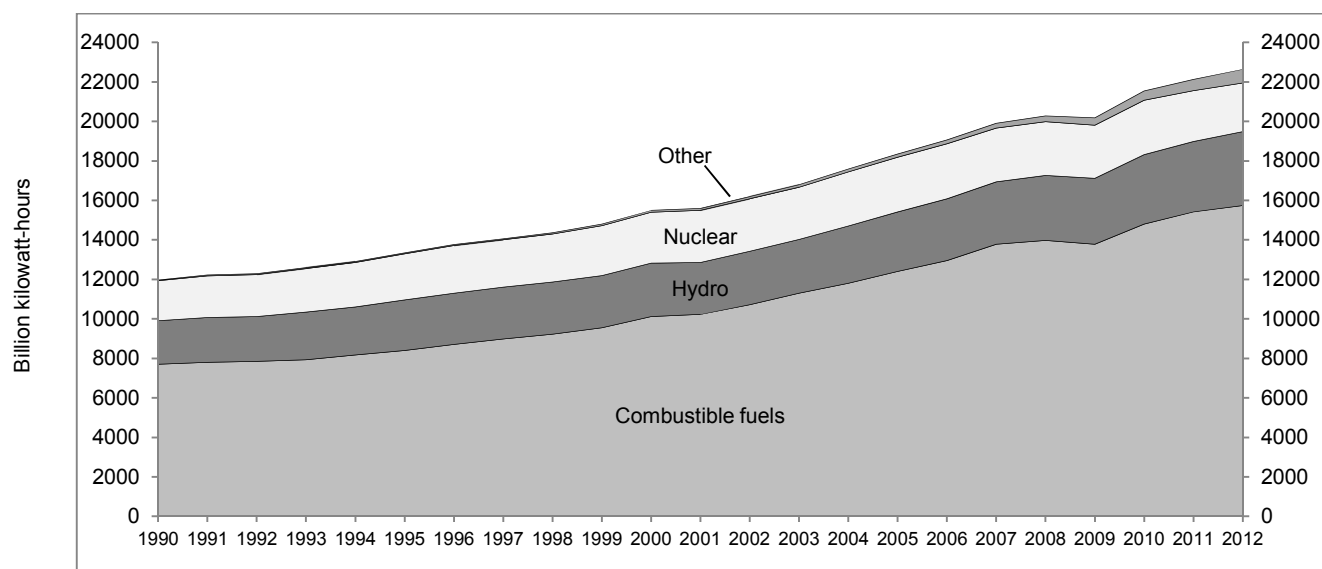


Figure 76: World production of electricity by region, 2012

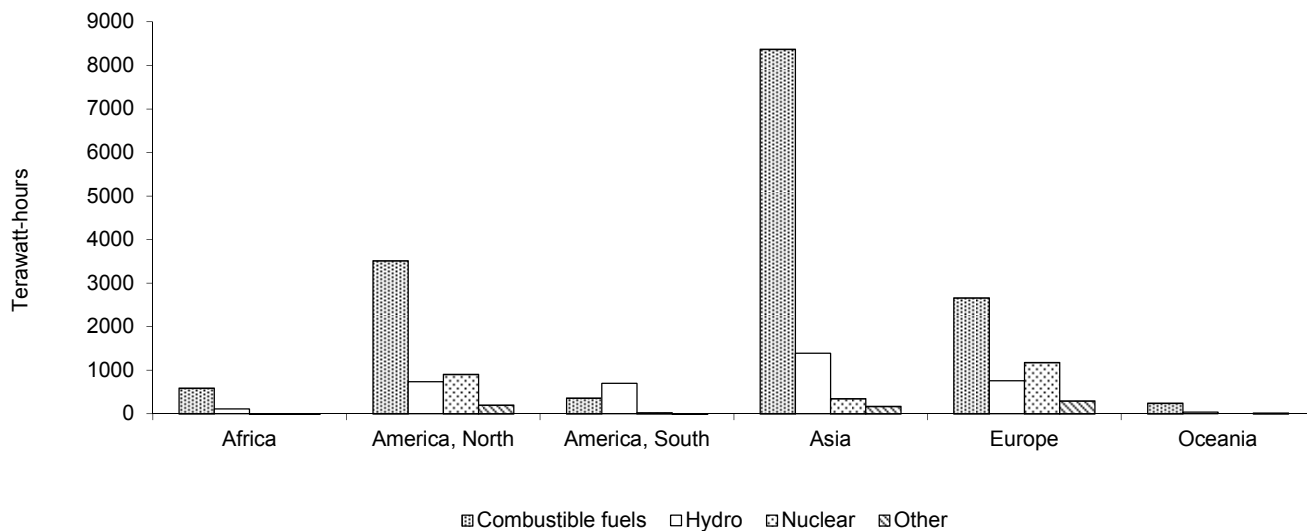


Figure 77: Major countries producing electricity from combustible fuels, 2012

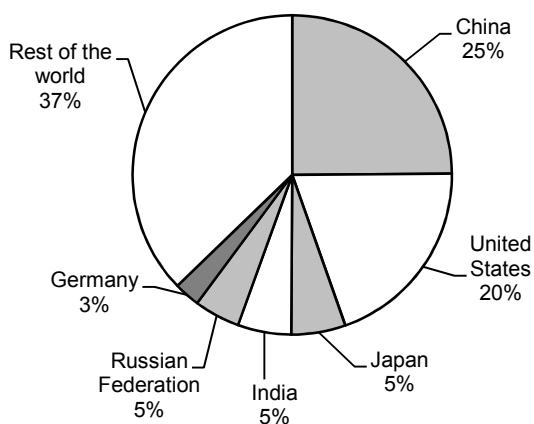


Figure 78: Major countries producing hydro electricity, 2012

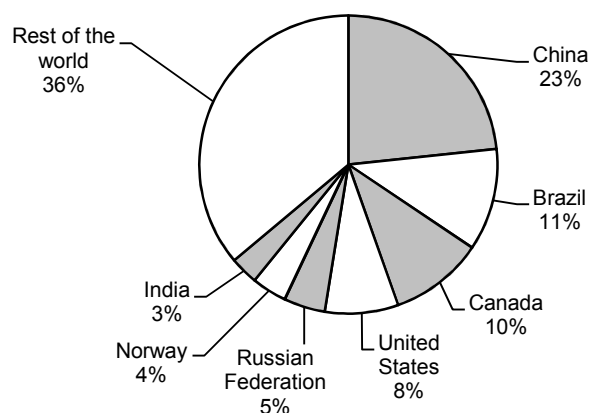


Figure 79: Major countries producing nuclear electricity, 2012

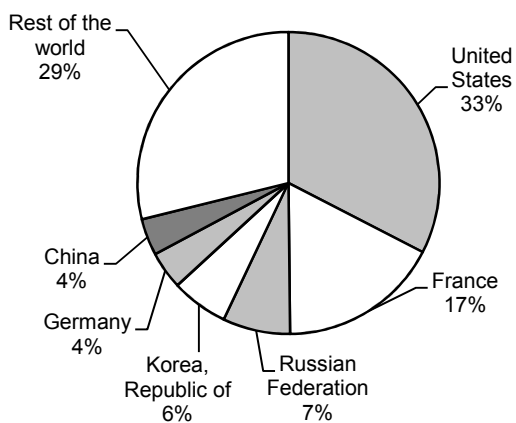


Figure 80: Major countries producing electricity from other sources, 2012

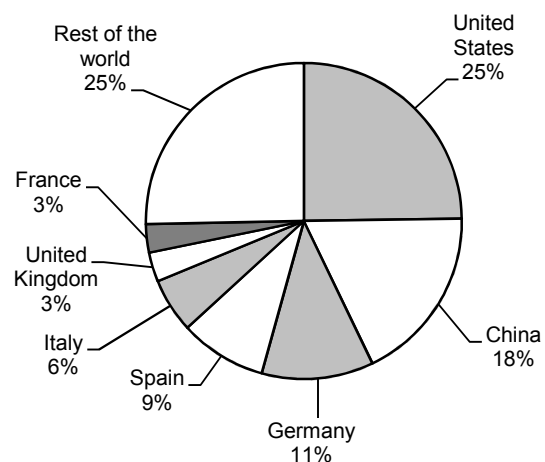


Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
World	2009	20,185,302	13,784,483	3,333,683	2,696,161	277,682	20,670	72,624
	2010	21,540,431	14,797,094	3,523,424	2,756,288	321,576	67,575	74,472
	2011	22,133,704	15,425,154	3,552,571	2,582,635	410,679	85,776	76,888
	2012	22,637,312	15,742,955	3,741,295	2,461,422	492,256	122,547	76,838
Africa	2009	633,940	515,088	102,957	12,806	1,727	45	1,317
	2010	678,098	548,151	113,674	12,099	2,421	294	1,460
	2011	701,500	569,169	114,208	13,502	2,475	641	1,506
	2012	721,761	589,746	114,404	13,075	2,415	506	1,615
Algeria	2009	38,501	38,195	306	..	..	..	..
	2010	45,734	45,560	174	..	..	..	..
	2011	51,224	50,722	502	..	..	..	..
	2012	57,397	56,775	622	..	..	..	..
Angola	2009	4,735	1,641	3,094	..	..	..	..
	2010	5,449	1,746	3,703	..	..	..	..
	2011	5,651	1,644	4,007	..	..	..	..
	2012	5,613	1,633	3,980	..	..	..	..
Benin	2009	128	128	..	..	..	..	..
	2010	150	150	..	..	..	..	..
	2011	155	155	..	..	..	..	..
	2012	163	163	..	..	..	..	..
Botswana	2009	621	621	..	..	..	..	..
	2010	532	532	..	..	..	..	..
	2011	437	437	..	..	..	..	..
	2012	250	250	..	..	..	..	..
Burkina Faso	2009	700	568	132	..	..	..	..
	2010	565	448	118	..	..	..	..
	2011	530	448	82	..	..	..	..
	2012	626	529	97	..	..	..	..
Burundi	2009	123	*2	121	..	..	..	..
	2010	144	*2	142	..	..	..	..
	2011	143	*2	141	..	..	..	..
	2012	144	*2	142	..	..	..	..
Cabo Verde	2009	296	291	..	..	5	0	..
	2010	347	343	..	..	2	2	..
	2011	362	337	..	..	16	9	..
	2012	371	302	..	..	61	7	..
Cameroon	2009	5,783	1,767	4,016	..	..	..	..
	2010	5,899	1,639	4,260	..	..	..	..
	2011	6,079	1,682	4,397	..	..	..	..
	2012	6,238	1,699	4,539	..	..	..	..
Central African Rep.	2009	160	*24	136	..	..	..	..
	2010	*160	*25	*135	..	..	..	..
	2011	*174	*27	*147	..	..	..	..
	2012	*177	*27	*150	..	..	..	..
Chad	2009	183	183	..	..	..	..	..
	2010	200	200	..	..	..	..	..
	2011	*218	*218	..	..	..	..	..
	2012	205	205	..	..	..	..	..
Comoros	2009	*43	*38	*5	..	..	..	..
	2010	*43	*38	*5	..	..	..	..
	2011	*43	*38	*5	..	..	..	..
	2012	*43	*38	*5	..	..	..	..
Congo	2009	539	209	330	..	..	..	..
	2010	785	355	430	..	..	..	..
	2011	1,293	502	791	..	..	..	..
	2012	1,342	521	821	..	..	..	..

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
1,384,558	1,281,077	85,755	17,726	18,800,745	12,503,406	3,247,928	2,696,161	353,250
1,551,224	1,439,832	89,499	21,893	19,989,206	13,357,262	3,433,926	2,756,288	441,731
1,669,281	1,540,535	98,040	30,707	20,464,422	13,884,620	3,454,531	2,582,635	542,636
1,721,424	1,583,832	97,770	39,821	20,915,889	14,159,123	3,643,524	2,461,422	651,819
26,053	25,278	775	0	607,887	489,810	102,181	12,806	3,089
28,308	27,045	1,263	0	649,790	521,106	112,410	12,099	4,175
32,984	31,712	1,272	0	668,516	537,456	112,936	13,502	4,621
35,912	34,686	1,212	14	685,849	555,060	113,192	13,075	4,522
294	294	..	..	38,207	37,901	306	..	..
561	561	..	..	45,173	44,999	174	..	..
2,352	2,352	..	..	48,872	48,370	502	..	..
3,311	3,311	..	..	54,086	53,464	622	..	..
324	324	..	..	4,411	1,317	3,094	..	..
345	345	..	..	5,104	1,401	3,703	..	..
325	325	..	..	5,326	1,319	4,007	..	..
323	323	..	..	5,290	1,310	3,980	..	..
16	16	..	..	112	112	..	..	..
27	27	..	..	123	123	..	..	..
28	28	..	..	127	127	..	..	..
29	29	..	..	134	134	..	..	..
..	..	..	..	621	621	..	..	..
..	..	..	..	532	532	..	..	..
..	..	..	..	437	437	..	..	..
..	..	..	..	250	250	..	..	..
..	..	..	..	700	568	132	..	..
..	..	..	..	565	448	118	..	..
88	88	..	..	442	360	82	..	..
147	147	..	..	479	382	97	..	..
..	..	..	..	123	*2	121	..	..
..	..	..	..	144	*2	142	..	..
..	..	..	..	143	*2	141	..	..
..	..	..	..	144	*2	142	..	..
*1	*1	..	..	295	290	..	..	5
*1	*1	..	..	346	342	..	..	4
0	0	..	..	362	337	..	..	25
0	0	..	..	371	302	..	..	69
1,332	1,332	..	..	4,451	435	4,016	..	..
1,269	1,269	..	..	4,630	370	4,260	..	..
1,330	1,330	..	..	4,749	352	4,397	..	..
1,333	1,333	..	..	4,905	366	4,539	..	..
..	..	..	..	160	*24	136	..	..
..	..	..	..	*160	*25	*135	..	..
..	..	..	..	*174	*27	*147	..	..
..	..	..	..	*177	*27	*150	..	..
..	..	..	..	183	183	..	..	..
..	..	..	..	200	200	..	..	..
..	..	..	..	*218	*218	..	..	..
..	..	..	..	205	205	..	..	..
..	..	..	..	*43	*38	*5	..	..
..	..	..	..	*43	*38	*5	..	..
..	..	..	..	*43	*38	*5	..	..
..	..	..	..	*43	*38	*5	..	..
..	..	..	..	539	209	330	..	..
..	..	..	..	785	355	430	..	..
..	..	..	..	1,293	502	791	..	..
..	..	..	..	1,342	521	821	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Côte d'Ivoire	2009	5,871	3,740	2,131	..	..	..	..
	2010	5,965	4,347	1,618	..	..	..	..
	2011	6,099	4,325	1,774	..	..	..	..
	2012	7,016	5,227	1,789	..	..	..	..
Dem. Rep. of the Congo	2009	7,835	35	7,800	..	..	..	..
	2010	7,888	35	7,853	..	..	..	..
	2011	7,882	35	7,847	..	..	..	..
	2012	7,966	35	7,931	..	..	..	..
Djibouti	2009	349	349	..	..	..	..	..
	2010	*379	*379	..	..	..	..	..
	2011	*387	*387	..	..	..	..	..
	2012	393	393	..	..	..	..	..
Egypt	2009	142,690	128,694	12,863	..	1,133	..	..
	2010	150,486	135,736	13,046	..	1,498	206	..
	2011	161,162	146,224	12,934	..	1,525	479	..
	2012	164,628	150,010	13,121	..	1,260	237	..
Equatorial Guinea	2009	*100	*93	*7	..	..	..	..
	2010	*100	*93	*7	..	..	..	..
	2011	*97	*90	*7	..	..	..	..
	2012	*97	*90	*7	..	..	..	..
Eritrea	2009	295	293	..	..	..	2	..
	2010	311	309	..	..	..	2	..
	2011	337	335	..	..	..	2	..
	2012	359	357	..	..	..	2	..
Ethiopia	2009	3,992	444	3,524	..	..	..	24
	2010	4,980	31	4,931	..	..	..	18
	2011	6,307	37	6,262	..	..	..	8
	2012	6,700	40	6,615	..	29	..	16
Gabon	2009	1,865	921	944	..	..	..	..
	2010	1,979	1,072	907	..	..	..	..
	2011	2,070	1,230	840	..	..	..	..
	2012	2,197	1,289	908	..	..	..	..
Gambia	2009	242	242	..	..	..	..	..
	2010	*245	*245	..	..	..	..	..
	2011	*256	*256	..	..	..	..	..
	2012	*266	*266	..	..	..	..	..
Ghana	2009	8,964	2,087	6,877	..	..	..	..
	2010	10,167	3,171	6,996	..	..	..	..
	2011	11,366	3,805	7,561	..	..	..	..
	2012	12,204	4,133	8,071	..	..	..	..
Guinea	2009	996	*474	522	..	..	..	..
	2010	952	*465	487	..	..	..	..
	2011	*878	*464	414	..	..	..	..
	2012	*878	*464	*414	..	..	..	..
Guinea-Bissau	2009	*31	*31	..	..	..	..	..
	2010	*32	*32	..	..	..	..	..
	2011	*33	*33	..	..	..	..	..
	2012	*34	*34	..	..	..	..	..
Kenya	2009	6,450	2,997	2,160	..	0	..	1,293
	2010	6,867	2,201	3,224	..	0	..	1,442
	2011	7,849	2,885	3,451	..	15	..	1,498
	2012	8,290	2,376	4,299	..	15	1	1,599
Lesotho	2009	532	..	532	..	..	..	..
	2010	567	..	567	..	..	..	..
	2011	549	..	549	..	..	..	..
	2012	461	..	461	..	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
74	74	..	..	5,797	3,666	2,131	..	..
81	81	..	..	5,884	4,266	1,618	..	..
65	65	..	..	6,034	4,260	1,774	..	..
68	68	..	..	6,948	5,159	1,789	..	..
309	29	280	..	7,526	6	7,520	..	..
329	29	300	..	7,559	6	7,553	..	..
349	29	320	..	7,533	6	7,527	..	..
374	29	345	..	7,592	6	7,586	..	..
..	..	..	..	349	349	..	..	..
..	..	..	..	*379	*379	..	..	..
..	..	..	..	*387	*387	..	..	..
..	..	..	..	393	393	..	..	..
3,690	3,690	..	..	139,000	125,004	12,863	..	1,133
3,690	3,690	..	..	146,796	132,046	13,046	..	1,704
3,756	3,756	..	..	157,406	142,468	12,934	..	2,004
5,405	5,405	..	..	159,223	144,605	13,121	..	1,497
..	..	..	..	*100	*93	*7	..	..
..	..	..	..	*100	*93	*7	..	..
..	..	..	..	*97	*90	*7	..	..
..	..	..	..	*97	*90	*7	..	..
10	10	..	..	285	283	..	..	2
11	11	..	..	300	298	..	..	2
11	11	..	..	326	324	..	..	2
11	11	..	..	348	346	..	..	2
..	..	..	..	3,992	444	3,524	..	24
..	..	..	..	4,980	31	4,931	..	18
..	..	..	..	6,307	37	6,262	..	8
..	..	..	..	6,700	40	6,615	..	45
213	213	..	..	1,652	708	944	..	..
227	227	..	..	1,752	845	907	..	..
232	232	..	..	1,838	998	840	..	..
231	231	..	..	1,966	1,058	908	..	..
28	28	..	..	214	214	..	..	..
*28	*28	..	..	*217	*217	..	..	..
*30	*30	..	..	*226	*226	..	..	..
*31	*31	..	..	*236	*236	..	..	..
*6	*6	..	..	8,958	2,081	6,877	..	..
138	138	..	..	10,029	3,033	6,996	..	..
*166	*166	..	..	11,200	3,639	7,561	..	..
*180	*180	..	..	12,024	3,953	8,071	..	..
*343	*343	..	..	653	*131	522	..	..
*343	*343	..	..	609	*122	487	..	..
*342	*342	..	..	535	*122	414	..	..
*342	*342	..	..	*535	*122	*414	..	..
*7	*7	..	..	*24	*24	..	..	..
*7	*7	..	..	*25	*25	..	..	..
*7	*7	..	..	*26	*26	..	..	..
*8	*8	..	..	*26	*26	..	..	..
1,135	1,135	..	..	5,315	1,862	2,160	..	1,293
540	540	..	..	6,327	1,661	3,224	..	1,442
317	316	1	..	7,532	2,569	3,450	..	1,513
317	316	1	..	7,973	2,060	4,298	..	1,615
..	..	..	..	532	..	532	..	..
..	..	..	..	567	..	567	..	..
..	..	..	..	549	..	549	..	..
..	..	..	..	461	..	461	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Liberia	2009	*250	*250	..	..	..	..	..
	2010	*250	*250	..	..	..	..	..
	2011	*300	*300	..	..	..	..	..
	2012	*300	*300	..	..	..	..	..
Libya	2009	31,045	31,045	..	..	..	..	..
	2010	32,753	32,753	..	..	..	..	..
	2011	27,614	27,614	..	..	..	..	..
	2012	33,980	33,980	..	..	..	..	..
Madagascar	2009	1,274	533	741	..	..	0	..
	2010	1,360	649	711	..	..	0	..
	2011	1,438	747	690	..	..	0	..
	2012	1,520	765	755	..	..	0	..
Malawi	2009	1,944	*181	1,763	..	..	..	..
	2010	2,024	*181	1,843	..	..	..	..
	2011	1,979	*181	1,798	..	..	..	..
	2012	*1,666	*181	*1,485	..	..	..	..
Mali	2009	1,575	896	679	..	..	..	..
	2010	1,691	996	695	..	..	..	..
	2011	*1,702	*1,002	*700	..	..	..	..
	2012	*1,718	*1,018	*700	..	..	..	..
Mauritania	2009	658	658	..	..	..	..	..
	2010	727	727	..	..	..	..	..
	2011	744	744	..	..	..	..	..
	2012	824	824	..	..	..	..	..
Mauritius	2009	2,577	2,453	122	..	2	..	..
	2010	2,690	2,586	101	..	3	..	..
	2011	2,731	2,671	57	..	3	..	..
	2012	2,797	2,718	74	..	4	1	..
Morocco	2009	20,935	17,592	2,952	..	391	..	..
	2010	22,853	18,563	3,631	..	659	..	..
	2011	24,364	21,533	2,139	..	692	..	..
	2012	26,495	23,951	1,816	..	728	..	..
Mozambique	2009	16,963	13	16,950	..	..	..	..
	2010	16,666	19	16,647	..	..	..	..
	2011	16,830	20	16,810	..	..	..	..
	2012	15,166	21	15,145	..	..	..	..
Namibia	2009	1,742	313	1,429	..	..	..	..
	2010	1,488	224	1,264	..	..	..	..
	2011	1,607	9	1,598	..	..	..	..
	2012	1,538	67	1,471	..	..	..	..
Niger	2009	254	254	..	..	..	0	..
	2010	291	291	..	..	..	0	..
	2011	295	295	..	..	..	0	..
	2012	421	421	..	..	..	0	..
Nigeria	2009	19,777	15,248	4,529	..	..	..	..
	2010	26,121	19,747	6,374	..	..	..	..
	2011	27,034	21,151	5,883	..	..	..	..
	2012	28,706	23,047	5,659	..	..	..	..
Réunion	2009	2,618	2,052	531	..	15	21	..
	2010	2,700	2,065	542	..	17	76	..
	2011	2,750	2,195	401	..	12	142	..
	2012	2,812	2,114	488	..	19	191	..
Rwanda	2009	248	149	99	..	..	0	..
	2010	281	169	112	..	..	0	..
	2011	346	196	149	..	..	0	..
	2012	393	211	182	..	..	0	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*200	*200	..	..	*50	*50	..	..	..
*200	*200	..	..	*50	*50	..	..	..
*200	*200	..	..	*100	*100	..	..	..
*200	*200	..	..	*100	*100	..	..	..
..	..	..	..	31,045	31,045	..	..	..
..	..	..	..	32,753	32,753	..	..	..
..	..	..	..	27,614	27,614	..	..	..
..	..	..	..	33,980	33,980	..	..	..
*170	*170	..	..	1,104	363	741	..	0
*170	*170	..	..	1,190	479	711	..	0
*170	*170	..	..	1,268	577	690	..	0
*170	*170	..	..	1,350	595	755	..	0
*180	*176	*4	..	1,764	*5	1,759	..	..
*180	*176	*4	..	1,844	*5	1,839	..	..
*181	*176	*5	..	1,798	*5	1,793	..	..
*181	*176	*5	..	*1,485	*5	*1,480	..	..
52	52	..	..	1,523	844	679	..	..
52	52	..	..	1,639	944	695	..	..
*52	*52	..	..	*1,650	*950	*700	..	..
*52	*52	..	..	*1,666	*966	*700	..	..
276	276	..	..	381	381	..	..	..
301	301	..	..	426	426	..	..	..
309	309	..	..	436	436	..	..	..
323	323	..	..	501	501	..	..	..
1,500	1,500	..	..	1,077	953	122	..	2
1,590	1,590	..	..	1,100	996	101	..	3
1,601	1,601	..	..	1,130	1,070	57	..	3
1,651	1,650	..	1	1,146	1,068	74	..	4
126	126	..	..	20,809	17,466	2,952	..	391
153	153	..	..	22,700	18,410	3,631	..	659
217	217	..	..	24,147	21,316	2,139	..	692
139	139	..	..	26,356	23,812	1,816	..	728
0	..	0	..	16,963	13	16,950	..	..
357	..	357	..	16,309	19	16,290	..	..
348	..	348	..	16,482	20	16,462	..	..
263	..	263	..	14,903	21	14,882	..	..
..	..	..	..	1,742	313	1,429	..	..
..	..	..	..	1,488	224	1,264	..	..
..	..	..	..	1,607	9	1,598	..	..
..	..	..	..	1,538	67	1,471	..	..
20	20	..	0	234	234	..	..	..
22	22	..	0	269	269	..	..	..
*22	*22	..	0	273	273	..	..	..
*22	*22	..	0	399	399	..	..	..
5,122	5,030	92	..	14,655	10,218	4,437	..	..
6,765	6,635	130	..	19,356	13,112	6,244	..	..
7,002	6,882	120	..	20,032	14,269	5,763	..	..
7,435	7,320	115	..	21,271	15,727	5,544	..	..
..	..	..	..	2,618	2,052	531	..	36
..	..	..	..	2,700	2,065	542	..	93
..	..	..	..	2,750	2,195	401	..	154
..	..	..	..	2,812	2,114	488	..	209
..	..	..	..	248	149	99	..	0
..	..	..	..	281	169	112	..	0
..	..	..	..	346	196	149	..	0
..	..	..	..	393	211	182	..	0

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Sao Tome and Principe	2009	*52	*45	*7	..	..	..	..
	2010	57	52	5	..	..	..	..
	2011	*60	*54	*6	..	..	..	..
	2012	*67	*60	*7	..	..	..	..
Senegal	2009	2,489	2,489	..	..	..	0	..
	2010	2,618	2,618	..	..	..	0	..
	2011	2,560	2,560	..	..	..	0	..
	2012	2,917	2,917	..	..	..	0	..
Seychelles	2009	276	276	..	..	..	..	..
	2010	301	301	..	..	..	..	..
	2011	324	324	..	..	..	..	..
	2012	336	336	..	..	..	..	..
Sierra Leone	2009	*132	44	*88	..	..	..	..
	2010	*171	22	*149	..	..	..	..
	2011	176	22	153	..	..	..	..
	2012	179	61	118	..	..	..	..
Somalia	2009	327	327	..	..	..	..	..
	2010	327	327	..	..	..	..	..
	2011	330	330	..	..	..	..	..
	2012	333	333	..	..	..	..	..
South Africa	2009	249,557	232,503	4,142	12,806	85	21	..
	2010	259,601	242,325	5,067	12,099	103	7	..
	2011	262,538	243,907	5,019	13,502	103	7	..
	2012	257,919	239,831	4,860	13,075	103	50	..
St. Helena and Depend.	2009	9	8	..	..	1	..	..
	2010	9	8	..	..	*1	..	..
	2011	10	9	..	..	*1	..	..
	2012	10	9	..	..	*1	..	..
Sudan	2009	6,491	3,263	3,228	..	..	..	..
	2010	7,499	1,297	6,202	..	..	..	..
	2011	8,455	1,988	6,467	..	..	..	..
	2012	9,436	2,817	6,619	..	..	..	..
Swaziland	2009	*518	*272	246	..	..	..	..
	2010	560	*272	288	..	..	..	..
	2011	654	*321	333	..	..	..	..
	2012	*622	*350	272	..	..	..	..
Togo	2009	152	42	110	..	..	..	..
	2010	179	86	93	..	..	..	..
	2011	128	22	106	..	..	..	..
	2012	111	22	89	..	..	..	..
Tunisia	2009	15,428	15,252	79	..	97	..	..
	2010	16,369	16,180	50	..	139	0	..
	2011	16,497	16,332	54	..	109	*2	..
	2012	18,059	17,750	110	..	196	*3	..
Uganda	2009	2,186	905	1,281	..	..	..	..
	2010	*2,456	*851	*1,605	..	..	..	..
	2011	*2,588	897	*1,691	..	..	..	..
	2012	*2,640	*915	*1,725	..	..	..	..
United Rep. of Tanzania	2009	4,736	2,096	2,640	..	..	..	..
	2010	5,187	2,566	2,621	..	..	..	..
	2011	5,244	3,438	1,806	..	..	..	..
	2012	5,795	4,125	1,657	..	..	13	..
Zambia	2009	10,414	31	10,383	..	..	..	..
	2010	11,308	35	11,273	..	..	..	..
	2011	11,482	46	11,436	..	..	..	..
	2012	11,856	42	11,814	..	..	..	..

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	*52	*45	*7	..	..
..	..	..	..	57	52	5	..	..
..	..	..	..	*60	*54	*6	..	..
..	..	..	..	*67	*60	*7	..	..
594	594	..	0	1,895	1,895	..	..	..
818	818	..	0	1,800	1,800	..	..	..
1,203	1,203	..	0	1,357	1,357	..	..	..
1,496	1,496	..	0	1,421	1,421	..	..	..
..	..	..	..	276	276	..	..	..
..	..	..	..	301	301	..	..	..
..	..	..	..	324	324	..	..	..
..	..	..	..	336	336	..	..	..
..	..	..	..	*132	44	*88	..	..
..	..	..	..	*171	22	*149	..	..
..	..	..	..	176	22	153	..	..
..	..	..	..	179	61	118	..	..
..	..	..	..	327	327	..	..	..
..	..	..	..	327	327	..	..	..
..	..	..	..	330	330	..	..	..
..	..	..	..	333	333	..	..	..
8,464	8,338	126	..	241,093	224,165	4,016	12,806	106
8,344	8,190	154	..	251,257	234,135	4,913	12,099	110
10,792	10,639	153	..	251,746	233,268	4,866	13,502	110
10,403	10,255	148	..	247,516	229,576	4,712	13,075	153
..	..	..	..	9	8	..	..	1
..	..	..	..	9	8	..	..	*1
..	..	..	..	10	9	..	..	*1
..	..	..	..	10	9	..	..	*1
..	..	..	..	6,491	3,263	3,228	..	..
..	..	..	..	7,499	1,297	6,202	..	..
..	..	..	..	8,455	1,988	6,467	..	..
..	..	..	..	9,436	2,817	6,619	..	..
*272	*272	..	..	246	1	246	..	..
*272	*272	..	..	288	0	288	..	..
*321	*321	..	..	333	0	333	..	..
*342	*342	..	..	280	8	272	..	..
10	10	..	..	142	32	110	..	..
10	10	..	..	169	76	93	..	..
11	11	..	..	117	11	106	..	..
11	11	..	..	100	11	89	..	..
872	872	..	..	14,556	14,380	79	..	97
1,023	1,023	..	..	15,346	15,157	50	..	139
694	694	..	..	15,803	15,638	54	..	111
631	631	..	..	17,428	17,119	110	..	199
*58	*30	28	..	2,127	875	1,252	..	..
*81	*29	*52	..	*2,375	*823	*1,553	..	..
*85	*30	*55	..	*2,503	867	*1,636	..	..
*87	*31	*56	..	*2,553	*884	*1,669	..	..
0	0	..	..	4,736	2,096	2,640	..	..
0	0	..	..	5,187	2,566	2,621	..	..
0	0	..	..	5,244	3,438	1,806	..	..
13	0	..	13	5,782	4,125	1,657	..	..
251	6	245	..	10,163	25	10,138	..	..
272	6	266	..	11,036	29	11,007	..	..
276	*6	270	..	11,206	40	11,166	..	..
285	*6	279	..	11,571	36	11,535	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Zimbabwe	2009	7,291	1,833	5,458	..	..	..	..
	2010	8,636	2,837	5,799	..	..	..	..
	2011	9,142	3,941	5,201	..	..	..	..
	2012	9,088	3,701	5,387	..	..	..	..
America, North	2009	5,183,688	3,425,096	715,176	930,803	82,004	2,714	27,895
	2010	5,377,593	3,605,130	698,496	935,468	105,849	4,180	28,470
	2011	5,411,827	3,536,231	780,162	925,083	133,706	6,581	30,064
	2012	5,350,563	3,511,994	735,950	904,761	158,469	10,573	28,816
Anguilla	2009	91	91	..	..	..	..	..
	2010	99	99	..	..	..	..	..
	2011	95	95	..	..	..	..	..
	2012	90	90	..	..	..	..	..
Antigua and Barbuda	2009	327	327	..	..	..	..	..
	2010	*326	*326	..	..	..	..	..
	2011	*325	*325	..	..	..	..	..
	2012	*327	*327	..	..	..	..	..
Aruba	2009	924	924	..	..	..	..	..
	2010	940	834	..	..	107	..	..
	2011	931	818	..	..	113	..	..
	2012	915	778	..	..	136	..	..
Bahamas	2009	1,769	1,769	..	..	..	..	..
	2010	1,823	1,823	..	..	..	..	..
	2011	1,766	1,766	..	..	..	..	..
	2012	2,037	2,037	..	..	..	..	..
Barbados	2009	1,068	1,068	..	..	..	..	..
	2010	1,028	1,028	..	..	..	..	..
	2011	1,049	1,049	..	..	..	..	..
	2012	1,129	1,129	..	..	..	..	..
Belize	2009	257	69	188	..	..	..	..
	2010	415	152	263	..	..	..	..
	2011	384	140	245	..	..	..	..
	2012	*399	*145	*254	..	..	..	..
Bermuda	2009	*746	*746	..	..	..	..	..
	2010	742	742	..	..	..	..	..
	2011	*726	*726	..	..	..	..	..
	2012	*692	*692	..	..	..	..	..
British Virgin Islands	2009	*125	*125	..	..	..	..	..
	2010	*128	*128	..	..	..	..	..
	2011	131	131	..	..	..	..	..
	2012	*130	*130	..	..	..	..	..
Canada	2009	612,203	146,575	368,762	90,092	6,641	103	30
	2010	602,824	151,836	351,461	90,658	8,724	117	28
	2011	639,347	158,138	375,797	93,589	10,187	260	1,376
	2012	634,449	147,296	380,622	94,862	11,310	332	27
Cayman Islands	2009	626	626	..	..	..	..	..
	2010	624	624	..	..	..	..	..
	2011	626	626	..	..	..	..	..
	2012	607	607	..	..	..	..	..
Costa Rica	2009	9,311	575	7,224	..	326	0	1,186
	2010	9,583	786	7,262	..	359	0	1,176
	2011	9,831	1,002	7,135	..	414	0	1,280
	2012	10,174	1,009	7,233	..	528	1	1,403
Cuba	2009	17,727	17,576	151	..	..	..	..
	2010	17,387	17,290	97	..	..	..	..
	2011	17,759	17,660	99	..	..	..	..
	2012	18,432	18,321	111	..	..	..	..

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
104	104	..	..	7,187	1,729	5,458	..	..
101	101	..	..	8,535	2,736	5,799	..	..
102	102	..	..	9,040	3,839	5,201	..	..
98	98	..	..	8,990	3,603	5,387	..	..
237,417	199,073	35,301	3,043	4,946,271	3,226,023	679,875	930,803	109,570
252,601	216,580	30,784	5,237	5,124,992	3,388,550	667,712	935,468	133,263
259,570	218,165	34,152	7,253	5,152,257	3,318,066	746,010	925,083	163,098
274,101	228,136	36,353	9,612	5,076,461	3,283,858	699,597	904,761	188,246
..	..	..	..	91	91	..	..	..
..	..	..	..	99	99	..	..	..
..	..	..	..	95	95	..	..	..
..	..	..	..	90	90	..	..	..
*1	*1	..	..	326	326	..	..	..
*1	*1	..	..	*325	*325	..	..	..
*1	*1	..	..	*324	*324	..	..	..
*1	*1	..	..	*326	*326	..	..	..
..	..	..	..	924	924	..	..	..
..	..	..	..	940	834	..	..	107
..	..	..	..	931	818	..	..	113
..	..	..	..	915	778	..	..	136
*72	*72	..	..	1,697	1,697	..	..	..
*74	*74	..	..	1,749	1,749	..	..	..
*74	*74	..	..	1,692	1,692	..	..	..
*74	*74	..	..	1,963	1,963	..	..	..
51	51	..	..	1,017	1,017	..	..	..
49	49	..	..	978	978	..	..	..
*5	*5	..	..	1,044	1,044	..	..	..
*4	*4	..	..	1,125	1,125	..	..	..
1	1	..	..	255	68	188	..	..
81	81	..	..	334	71	263	..	..
71	71	..	..	314	*69	245	..	..
*75	*75	..	..	*324	*70	*254	..	..
*13	*13	..	..	*733	*733	..	..	..
12	12	..	..	730	730	..	..	..
12	12	..	..	*714	*714	..	..	..
*12	*12	..	..	*680	*680	..	..	..
..	..	..	..	*125	*125	..	..	..
..	..	..	..	*128	*128	..	..	..
..	..	..	..	131	131	..	..	..
..	..	..	..	*130	*130	..	..	..
52,345	20,597	31,746	2	559,858	125,978	337,016	90,092	6,772
49,918	22,709	27,207	2	552,906	129,127	324,254	90,658	8,867
55,351	24,835	30,515	1	583,996	133,303	345,282	93,589	11,822
57,113	25,075	32,034	4	577,336	122,221	348,588	94,862	11,665
..	..	..	..	626	626	..	..	..
..	..	..	..	624	624	..	..	..
..	..	..	..	626	626	..	..	..
..	..	..	..	607	607	..	..	..
1,870	123	1,288	459	7,441	451	5,936	..	1,054
2,041	145	1,390	507	7,542	641	5,872	..	1,028
1,995	139	1,304	552	7,837	863	5,831	..	1,143
2,186	179	1,357	651	7,988	830	5,877	..	1,281
868	868	..	..	16,859	16,708	151	..	..
803	803	..	..	16,584	16,487	97	..	..
815	815	..	..	16,944	16,845	99	..	..
836	836	..	..	17,596	17,485	111	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Dominica	2009	93	70	23	..	..	..	..
	2010	99	76	23	..	..	..	..
	2011	100	65	36	..	..	..	..
	2012	102	75	27	..	..	..	..
Dominican Republic	2009	14,381	12,928	1,453	..	..	..	..
	2010	15,332	13,916	1,416	..	..	..	..
	2011	15,894	14,367	1,513	..	14	..	..
	2012	16,893	15,015	1,783	..	96	..	..
El Salvador	2009	5,793	2,764	1,505	..	..	..	1,524
	2010	5,985	2,376	2,084	..	..	..	1,525
	2011	5,837	2,292	2,011	..	..	..	1,534
	2012	5,972	2,610	1,842	..	..	..	1,520
Greenland	2009	406	152	254	..	..	..	..
	2010	401	120	281	..	..	..	..
	2011	*412	*96	*316	..	..	..	..
	2012	*405	*93	*312	..	..	..	..
Grenada	2009	203	203	..	..	..	..	..
	2010	209	209	..	..	..	..	..
	2011	204	204	..	..	..	..	..
	2012	200	200	..	..	..	..	..
Guadeloupe	2009	*1,709	*1,554	*14	..	*51	*40	*50
	2010	*1,809	*1,634	*14	..	*54	*55	*52
	2011	*1,767	*1,555	*14	..	*53	*94	*51
	2012	*1,805	*1,589	*14	..	*54	*96	*52
Guatemala	2009	9,047	5,718	2,942	..	..	..	387
	2010	8,893	4,773	3,849	..	..	..	271
	2011	9,181	4,759	4,176	..	..	..	246
	2012	9,412	4,708	4,458	..	..	..	246
Haiti	2009	721	514	207	..	..	..	..
	2010	587	410	177	..	..	..	..
	2011	943	823	120	..	..	..	..
	2012	1,150	990	160	..	..	..	..
Honduras	2009	6,625	3,828	2,797	..	..	..	..
	2010	6,777	3,697	3,080	..	..	..	..
	2011	7,183	4,251	2,815	..	117	..	..
	2012	7,593	4,468	2,787	..	338	..	..
Jamaica	2009	4,208	3,999	158	..	51	..	..
	2010	4,217	4,012	152	..	53	..	..
	2011	4,171	3,926	152	..	92	..	..
	2012	4,156	3,898	151	..	108	..	..
Martinique	2009	*1,732	*1,685	0	..	*2	*45	..
	2010	*1,808	*1,764	0	..	*2	*43	..
	2011	*1,764	*1,720	0	..	*2	*43	..
	2012	*1,780	*1,736	0	..	*2	*43	..
Mexico	2009	261,045	216,483	26,713	10,501	596	12	6,740
	2010	271,050	220,162	37,121	5,879	1,239	31	6,618
	2011	295,837	241,296	36,266	10,089	1,648	31	6,507
	2012	293,862	243,707	31,855	8,770	3,644	69	5,817
Montserrat	2009	*23	*23	..	..	..	..	..
	2010	*23	*23	..	..	..	..	..
	2011	*23	*23	..	..	..	..	..
	2012	*23	*23	..	..	..	..	..
Netherlands Antilles	2009	1,298	1,298	..	..	..	..	..
	2010	1,323	1,323	..	..	..	..	..
	2011	1,325	1,325	..	..	..	..	..
	2012	1,333	1,333	..	..	..	..	..

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	93	70	23	..	..
..	..	..	..	99	76	23	..	..
..	..	..	..	100	65	36	..	..
..	..	..	..	102	75	27	..	..
2,741	2,741	..	..	11,640	10,187	1,453	..	..
2,869	2,869	..	..	12,463	11,046	1,416	..	..
2,919	2,919	..	..	12,975	11,448	1,513	..	14
3,044	3,044	..	..	13,850	11,971	1,783	..	96
640	640	..	..	5,153	2,124	1,505	..	1,524
616	616	..	..	5,369	1,760	2,084	..	1,525
626	626	..	..	5,211	1,666	2,011	..	1,534
649	649	..	..	5,323	1,961	1,842	..	1,520
66	66	..	..	340	86	254	..	..
65	65	..	..	336	55	281	..	..
*56	*56	..	..	*356	*40	*316	..	..
*55	*55	..	..	*350	*38	*312	..	..
..	..	..	..	203	203	..	..	..
..	..	..	..	209	209	..	..	..
..	..	..	..	204	204	..	..	..
..	..	..	..	200	200	..	..	..
..	..	..	..	*1,709	*1,554	*14	..	*141
..	..	..	..	*1,809	*1,634	*14	..	*161
..	..	..	..	*1,767	*1,555	*14	..	*198
..	..	..	..	*1,805	*1,589	*14	..	*202
788	766	22	..	8,259	4,952	2,920	..	387
628	606	22	..	8,265	4,167	3,827	..	271
601	579	22	..	8,580	4,180	4,154	..	246
712	689	23	..	8,700	4,019	4,435	..	246
..	..	..	..	721	514	207	..	..
..	..	..	..	587	410	177	..	..
31	31	..	..	912	792	120	..	..
48	48	..	..	1,102	942	160	..	..
12	12	..	..	6,613	3,816	2,797	..	..
12	12	..	..	6,765	3,685	3,080	..	..
13	13	..	..	7,170	4,238	2,815	..	117
14	14	..	..	7,579	4,454	2,787	..	338
1,328	1,277	..	51	2,880	2,722	158	..	..
1,409	1,356	..	53	2,807	2,656	152	..	..
1,411	1,319	..	92	2,760	2,607	152	..	..
1,542	1,434	..	108	2,615	2,464	151	..	..
*30	*30	..	..	*1,702	*1,655	0	..	*47
*30	*30	..	..	*1,778	*1,734	0	..	*45
*30	*30	..	..	*1,734	*1,690	0	..	*45
*30	*30	..	..	*1,750	*1,706	0	..	*45
25,939	25,312	268	359	235,106	191,171	26,445	10,501	6,989
28,513	27,027	382	1,104	242,537	193,135	36,739	5,879	6,784
29,478	27,686	470	1,322	266,359	213,610	35,796	10,089	6,864
32,159	29,654	538	1,967	261,703	214,053	31,317	8,770	7,563
..	..	..	..	*23	*23	..	..	..
..	..	..	..	*23	*23	..	..	..
..	..	..	..	*23	*23	..	..	..
..	..	..	..	*23	*23	..	..	..
688	688	..	..	610	610	..	..	..
701	701	..	..	622	622	..	..	..
702	702	..	..	623	623	..	..	..
706	706	..	..	627	627	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Nicaragua	2009	3,453	2,749	297	..	110	..	297
	2010	3,659	2,690	504	..	163	..	302
	2011	3,824	2,896	444	..	211	..	273
	2012	4,031	2,759	419	..	330	..	523
Panama	2009	6,909	3,012	3,897	..	..	..	..
	2010	7,419	3,225	4,194	..	..	..	..
	2011	7,857	3,759	4,098	..	..	..	..
	2012	8,606	3,218	5,388	..	..	..	..
Puerto Rico	2009	22,949	22,793	156	..	..	..	..
	2010	23,247	23,087	160	..	..	..	..
	2011	22,257	22,035	223	..	..	..	..
	2012	22,306	22,083	223	..	..	..	..
St. Kitts-Nevis	2009	*184	*184	..	..	..	..	..
	2010	190	190	..	..	..	..	..
	2011	*196	*196	..	..	..	..	..
	2012	204	204	..	..	..	..	..
St. Lucia	2009	363	363	..	..	..	..	..
	2010	381	381	..	..	..	..	..
	2011	385	385	..	..	..	..	..
	2012	385	385	..	..	..	..	..
St. Pierre-Miquelon	2009	45	44	..	..	1	..	..
	2010	45	44	..	..	1	..	..
	2011	45	44	..	..	1	..	..
	2012	43	43	..	..	1	..	..
St. Vincent-Grenadines	2009	*140	*116	*24	..	..	..	..
	2010	*142	*117	*24	..	..	..	..
	2011	*142	*118	*24	..	..	..	..
	2012	*144	*120	*24	..	..	..	..
Trinidad and Tobago	2009	7,843	7,843	..	..	..	..	..
	2010	8,485	8,485	..	..	..	..	..
	2011	8,772	8,772	..	..	..	..	..
	2012	9,132	9,132	..	..	..	..	..
Turks and Caicos Islands	2009	*208	*208	..	..	..	..	..
	2010	*214	*214	..	..	..	..	..
	2011	*214	*214	..	..	..	..	..
	2012	*227	*227	..	..	..	..	..
United States	2009	4,188,214	2,965,173	298,410	830,210	74,226	2,514	17,681
	2010	4,378,422	3,135,578	286,333	838,931	95,148	3,934	18,498
	2011	4,349,571	3,037,683	344,679	821,405	120,854	6,153	18,797
	2012	4,290,547	3,019,949	298,287	801,129	141,922	10,032	19,228
United States Virgin Is.	2009	*921	*921	..	..	..	..	..
	2010	958	958	..	..	..	..	..
	2011	951	951	..	..	..	..	..
	2012	872	872	..	..	..	..	..
America, South	2009	950,651	257,958	670,029	21,118	1,447	2	97
	2010	1,010,920	315,431	671,031	21,694	2,648	3	112
	2011	1,047,762	307,362	715,136	22,030	3,229	5	0
	2012	1,089,810	362,764	698,524	22,433	6,007	82	0
Argentina	2009	122,348	79,856	34,295	8,161	36	0	..
	2010	125,594	84,480	33,918	7,171	25	0	..
	2011	129,892	91,592	31,901	6,371	26	2	..
	2012	135,207	98,719	29,716	6,395	369	8	..
Bolivia (Plur. State of)	2009	6,121	3,823	2,296	..	..	2	..
	2010	6,947	4,762	2,182	..	..	3	..
	2011	7,219	4,869	2,347	..	..	3	..
	2012	7,661	5,306	2,352	..	..	3	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
405	405	..	..	3,048	2,344	297	..	407
429	429	..	..	3,230	2,261	504	..	465
419	419	..	..	3,405	2,477	444	..	484
502	501	1	..	3,529	2,258	418	..	853
17	17	..	..	6,892	2,995	3,897	..	..
22	22	..	..	7,397	3,203	4,194	..	..
23	23	..	..	7,834	3,736	4,098	..	..
26	26	..	..	8,580	3,192	5,388	..	..
*250	*250	..	..	22,699	22,543	156	..	..
*250	*250	..	..	22,997	22,837	160	..	..
*250	*250	..	..	22,007	21,785	223	..	..
*250	*250	..	..	22,056	21,833	223	..	..
*7	*7	..	..	*177	*177	..	..	..
*6	*6	..	..	184	184	..	..	..
*6	*6	..	..	*190	*190	..	..	..
*5	*5	..	..	199	199	..	..	..
..	..	..	..	363	363	..	..	..
..	..	..	..	381	381	..	..	..
..	..	..	..	385	385	..	..	..
..	..	..	..	385	385	..	..	..
..	..	..	..	45	44	..	..	1
..	..	..	..	45	44	..	..	1
..	..	..	..	45	44	..	..	1
..	..	..	..	43	43	..	..	1
..	..	..	..	*140	*116	*24	..	..
..	..	..	..	*142	*117	*24	..	..
..	..	..	..	*142	*118	*24	..	..
..	..	..	..	*144	*120	*24	..	..
35	35	..	..	7,808	7,808	..	..	..
70	70	..	..	8,415	8,415	..	..	..
72	72	..	..	8,700	8,700	..	..	..
75	75	..	..	9,057	9,057	..	..	..
..	..	..	..	*208	*208	..	..	..
..	..	..	..	*214	*214	..	..	..
..	..	..	..	*214	*214	..	..	..
..	..	..	..	*227	*227	..	..	..
149,201	145,052	1,977	2,172	4,039,013	2,820,121	296,433	830,210	92,249
163,952	158,598	1,783	3,571	4,214,470	2,976,980	284,550	838,931	114,009
164,569	157,442	1,841	5,286	4,185,002	2,880,241	342,838	821,405	140,518
173,984	164,702	2,400	6,882	4,116,563	2,855,247	295,887	801,129	164,300
*48	*48	..	..	*873	*873	..	..	..
*48	*48	..	..	909	909	..	..	..
*40	*40	..	..	911	911	..	..	..
0	0	..	..	872	872	..	..	..
89,355	67,173	22,051	131	861,296	190,784	647,978	21,118	1,415
103,589	80,265	23,209	115	907,330	235,166	647,822	21,694	2,648
110,811	85,212	25,589	10	936,952	222,150	689,547	22,030	3,224
112,333	89,018	23,289	26	977,477	273,747	675,235	22,433	6,062
14,456	14,365	91	..	107,892	65,491	34,204	8,161	36
15,325	15,233	92	..	110,269	69,247	33,826	7,171	25
15,052	14,994	58	..	114,840	76,598	31,843	6,371	28
15,229	15,171	58	..	119,978	83,548	29,658	6,395	377
92	90	..	2	6,029	3,733	2,296	..	..
106	103	..	3	6,841	4,659	2,182	..	..
109	106	..	3	7,110	4,763	2,347	..	..
114	111	..	3	7,547	5,195	2,352	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Brazil	2009	466,158	60,975	390,988	12,957	1,238	..	..
	2010	515,798	95,809	403,289	14,523	2,177	..	..
	2011	531,759	85,062	428,333	15,659	2,705	..	..
	2012	552,498	116,068	415,342	16,038	5,050	..	..
Chile	2009	60,722	35,250	25,296	..	79	..	97
	2010	60,434	38,273	21,717	..	332	..	112
	2011	65,713	44,366	21,009	..	338	..	0
	2012	69,751	49,184	20,158	..	409	..	0
Colombia	2009	57,265	16,157	41,050	..	58	..	..
	2010	60,111	19,448	40,624	..	39	..	..
	2011	59,653	10,068	49,544	..	41	..	..
	2012	60,805	12,639	48,111	..	55	..	..
Ecuador	2009	18,588	9,363	9,222	..	3	..	..
	2010	19,551	10,912	8,636	..	3	..	..
	2011	20,562	9,426	11,133	..	3	..	..
	2012	22,847	10,607	12,238	..	2	..	..
Falkland Is. (Malvinas)	2009	*18	*17	..	..	0	..	..
	2010	*18	*12	..	..	*6	..	..
	2011	*18	*12	..	..	*6	..	..
	2012	*18	*12	..	..	*6	..	..
French Guiana	2009	*794	*445	*349	..	..	0	..
	2010	*823	*379	*444	..	..	0	..
	2011	*836	*377	*459	..	..	0	..
	2012	853	273	529	..	..	51	..
Guyana	2009	723	723	..	..	..	..	..
	2010	868	868	..	..	..	..	..
	2011	910	910	..	..	..	..	..
	2012	942	942	..	..	..	..	..
Paraguay	2009	54,950	1	54,949	..	..	..	..
	2010	54,066	1	54,065	..	..	..	..
	2011	57,625	1	57,624	..	..	..	..
	2012	60,235	1	60,234	..	..	..	..
Peru	2009	32,929	13,437	19,491	..	1	0	..
	2010	35,890	15,847	20,042	..	1	0	..
	2011	39,223	17,635	21,587	..	1	0	..
	2012	39,909	18,534	21,354	..	1	20	..
Suriname	2009	1,618	747	871	..	..	..	..
	2010	*1,724	*796	*927	..	..	..	..
	2011	*1,951	*901	*1,050	..	..	..	..
	2012	*1,972	*911	*1,061	..	..	..	..
Uruguay	2009	8,838	3,546	5,260	..	32	..	..
	2010	10,727	2,255	8,407	..	65	..	..
	2011	10,342	3,754	6,479	..	110	..	..
	2012	10,596	5,060	5,421	..	115	..	..
Venezuela(Bolivar. Rep.)	2009	119,580	33,618	85,962	..	..	..	..
	2010	118,370	41,590	76,780	..	..	..	..
	2011	122,059	38,389	83,670	..	..	..	..
	2012	126,516	44,508	82,008	..	..	..	..
Asia	2009	8,414,670	6,720,149	1,051,323	563,250	52,988	3,572	23,388
	2010	9,260,635	7,349,906	1,210,110	584,511	53,673	39,458	22,976
	2011	9,814,022	8,060,721	1,191,890	425,377	82,578	30,237	23,218
	2012	10,278,844	8,370,007	1,391,674	345,675	109,576	38,229	23,683
Afghanistan	2009	889	114	775	..	..	..	..
	2010	892	125	767	..	..	..	..
	2011	1,005	176	829	..	..	..	..
	2012	1,022	144	878	..	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
57,008	37,690	19,318	..	409,150	23,285	371,670	12,957	1,238
72,995	52,305	20,690	..	442,803	43,504	382,599	14,523	2,177
77,033	54,321	22,712	..	454,726	30,741	405,621	15,659	2,705
78,029	57,566	20,463	..	474,469	58,502	394,879	16,038	5,050
5,536	4,942	497	97	55,186	30,308	24,799	..	79
3,674	3,226	336	112	56,760	35,047	21,381	..	332
5,427	5,365	56	6	60,286	39,001	20,953	..	332
5,778	5,577	179	22	63,973	43,607	19,979	..	387
1,864	1,651	213	..	55,401	14,506	40,837	..	58
911	688	223	..	59,200	18,760	40,401	..	39
*1,350	*684	*666	..	58,303	9,384	48,878	..	41
*1,072	*543	*529	..	59,733	12,096	47,582	..	55
4,297	3,720	577	..	14,291	5,643	8,645	..	3
3,805	3,348	457	..	15,746	7,564	8,179	..	3
4,476	3,971	505	..	16,086	5,455	10,628	..	3
4,795	4,284	511	..	18,052	6,323	11,727	..	2
*2	*2	..	..	*16	*15	..	..	0
*2	*2	..	..	*16	*10	..	..	*6
*2	*2	..	..	*16	*10	..	..	*6
*2	*2	..	..	*16	*10	..	..	*6
..	..	..	..	*794	*445	*349	..	0
..	..	..	..	*823	*379	*444	..	0
..	..	..	..	*836	*377	*459	..	0
..	..	..	..	853	273	529	..	51
137	137	..	..	586	586	..	..	..
299	299	..	..	568	568	..	..	..
306	306	..	..	605	605	..	..	..
285	285	..	..	658	658	..	..	..
..	..	..	..	54,950	1	54,949	..	..
..	..	..	..	54,066	1	54,065	..	..
..	..	..	..	57,625	1	57,624	..	..
..	..	..	..	60,235	1	60,234	..	..
2,022	1,538	484	..	30,907	11,899	19,007	..	1
2,361	1,877	484	..	33,529	13,970	19,558	..	1
2,945	2,403	542	..	36,278	15,232	21,045	..	1
2,558	2,070	488	..	37,351	16,464	20,866	..	21
1,471	600	871	..	147	147	..	..	..
*1,567	*640	*927	..	*156	*156	..	..	..
*1,774	*725	*1,050	..	*177	*177	..	..	..
*1,794	*733	*1,061	..	*179	*179	..	..	..
795	763	..	32	8,043	2,783	5,260	..	..
829	829	..	0	9,899	1,426	8,407	..	65
811	810	..	1	9,531	2,944	6,479	..	109
867	865	..	1	9,730	4,195	5,421	..	114
1,675	1,675	..	..	117,905	31,943	85,962	..	..
1,715	1,715	..	..	116,655	39,875	76,780	..	..
1,526	1,526	..	..	120,533	36,863	83,670	..	..
1,811	1,811	..	..	124,705	42,697	82,008	..	..
692,515	673,810	11,504	7,201	7,722,156	6,046,339	1,039,819	563,250	72,747
795,363	768,636	18,300	8,427	8,465,272	6,581,270	1,191,810	584,511	107,681
890,973	859,066	21,276	10,631	8,923,049	7,201,655	1,170,615	425,377	125,402
923,722	890,272	20,858	12,592	9,355,122	7,479,735	1,370,816	345,675	158,896
270	5	265	..	619	109	510	..	..
270	5	265	..	622	120	502	..	..
286	5	281	..	719	171	548	..	..
301	5	296	..	721	139	582	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Armenia	2009	5,672	1,154	2,020	2,494	..	..	4
	2010	6,491	1,438	2,556	2,490	..	..	7
	2011	7,433	2,390	2,489	2,548	..	..	6
	2012	8,036	3,399	2,311	2,322	..	..	4
Azerbaijan	2009	18,868	16,558	2,308	..	2	..	..
	2010	18,710	15,263	3,446	..	1	..	..
	2011	20,294	17,618	2,676	..	0	..	..
	2012	22,988	21,167	1,821	..	0	..	..
Bahrain	2009	22,555	22,555	..	..	..	..	..
	2010	23,441	23,441	..	..	..	..	..
	2011	23,767	23,767	..	..	..	..	..
	2012	24,770	24,770	..	..	..	..	..
Bangladesh	2009	37,225	36,808	417	..	..	..	..
	2010	41,813	41,084	729	..	..	..	..
	2011	44,163	43,291	872	..	..	..	..
	2012	49,039	48,262	777	..	..	..	..
Bhutan	2009	6,998	0	6,998	..	..	..	..
	2010	7,329	1	7,328	..	..	..	..
	2011	7,068	0	7,067	..	..	..	..
	2012	6,827	0	6,827	..	..	..	..
Brunei Darussalam	2009	3,612	3,612	..	..	..	..	..
	2010	3,792	3,792	..	..	..	..	..
	2011	3,725	3,723	..	..	..	2	..
	2012	3,930	3,928	..	..	..	2	..
Cambodia	2009	1,256	1,217	37	..	..	2	..
	2010	994	965	26	..	..	3	..
	2011	1,053	1,005	45	..	..	3	..
	2012	1,434	914	517	..	..	3	..
China	2009	3,714,650	2,982,780	615,640	70,134	46,096	..	..
	2010	4,207,160	3,331,928	722,172	73,880	44,622	34,558	..
	2011	4,713,019	3,833,702	698,945	86,350	70,331	23,691	..
	2012	4,987,553	3,892,814	872,107	97,394	95,978	29,260	..
China, Hong Kong SAR	2009	38,728	38,727	..	..	*1	..	..
	2010	38,292	38,291	..	..	*1	..	..
	2011	39,026	39,024	..	..	*2	..	..
	2012	38,752	38,750	..	..	*2	..	..
China, Macao SAR	2009	1,466	1,466	..	..	..	..	..
	2010	1,077	1,077	..	..	..	..	..
	2011	837	837	..	..	..	..	..
	2012	489	489	..	..	..	..	..
Cyprus	2009	5,215	5,211	..	..	0	4	..
	2010	5,322	5,284	..	..	31	7	..
	2011	4,929	4,803	..	..	114	12	..
	2012	4,717	4,510	..	..	185	22	..
Georgia	2009	8,165	1,010	7,155	..	..	..	..
	2010	9,992	644	9,348	..	..	..	..
	2011	10,747	2,589	8,158	..	..	..	..
	2012	10,137	2,576	7,561	..	..	..	..
India	2009	899,389	773,844	106,909	18,636	..	..	..
	2010	954,539	813,787	114,486	26,266	..	..	..
	2011	973,006	836,978	103,741	32,287	..	..	..
	2012	1,035,264	888,538	113,855	32,871	..	..	..
Indonesia	2009	157,516	136,833	11,388	..	0	..	9,295
	2010	186,594	159,560	17,676	..	0	1	9,357
	2011	182,384	160,593	12,419	..	0	1	9,371
	2012	*197,328	*175,109	12,799	..	0	3	*9,417

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	5,672	1,154	2,020	2,494	4
..	..	..	..	6,491	1,438	2,556	2,490	7
..	..	..	..	7,433	2,390	2,489	2,548	6
..	..	..	..	8,036	3,399	2,311	2,322	4
269	269	..	..	18,599	16,289	2,308	..	2
260	260	..	..	18,450	15,003	3,446	..	1
301	301	..	..	19,993	17,317	2,676	..	0
1,630	1,630	..	..	21,358	19,537	1,821	..	0
10,499	10,499	..	..	12,056	12,056	..	..	..
10,211	10,211	..	..	13,230	13,230	..	..	..
10,626	10,626	..	..	13,141	13,141	..	..	..
10,510	10,510	..	..	14,260	14,260	..	..	..
10,049	10,049	..	..	27,176	26,759	417	..	..
12,710	12,710	..	..	29,103	28,374	729	..	..
12,994	12,994	..	..	31,169	30,297	872	..	..
13,746	13,746	..	..	35,293	34,516	777	..	..
..	..	..	..	6,998	0	6,998	..	..
..	..	..	..	7,329	1	7,328	..	..
..	..	..	..	7,068	0	7,067	..	..
..	..	..	..	6,827	0	6,827	..	..
343	343	..	..	3,269	3,269	..	..	..
352	352	..	..	3,440	3,440	..	..	..
330	330	..	..	3,395	3,393	..	..	2
406	406	..	..	3,524	3,522	..	..	2
..	..	..	..	1,256	1,217	37	..	2
..	..	..	..	994	965	26	..	3
..	..	..	..	1,053	1,005	45	..	3
..	..	..	..	1,434	914	517	..	3
241,903	241,903	..	..	3,472,747	2,740,877	615,640	70,134	46,096
270,219	270,219	..	..	3,936,941	3,061,709	722,172	73,880	79,180
310,913	310,913	..	..	4,402,106	3,522,789	698,945	86,350	94,022
315,707	315,707	..	..	4,671,846	3,577,107	872,107	97,394	125,238
..	..	..	..	38,728	38,727	..	..	*1
..	..	..	..	38,292	38,291	..	..	*1
..	..	..	..	39,026	39,024	..	..	*2
..	..	..	..	38,752	38,750	..	..	*2
116	116	..	..	1,350	1,350	..	..	..
133	133	..	..	944	944	..	..	..
107	107	..	..	730	730	..	..	..
113	113	..	..	376	376	..	..	..
77	76	..	1	5,138	5,135	..	..	3
76	74	..	2	5,246	5,210	..	..	36
68	66	..	2	4,861	4,737	..	..	124
60	58	..	2	4,657	4,452	..	..	205
..	..	..	..	8,165	1,010	7,155	..	..
..	..	..	..	9,992	644	9,348	..	..
..	..	..	..	10,747	2,589	8,158	..	..
..	..	..	..	10,137	2,576	7,561	..	..
103,108	102,879	229	..	796,281	670,965	106,680	18,636	..
109,693	109,464	229	..	844,846	704,323	114,257	26,266	..
128,401	128,172	*229	..	844,605	708,806	103,512	32,287	..
*128,401	*128,172	*229	..	906,863	760,366	113,626	32,871	..
765	714	51	..	156,751	136,119	11,337	..	9,295
16,808	16,808	0	..	169,786	142,752	17,676	..	9,358
33,762	31,659	2,103	..	148,622	128,934	10,316	..	9,372
*47,573	*45,299	2,274	..	*149,755	*129,810	10,525	..	*9,420

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Iran (Islamic Rep. of)	2009	221,370	213,912	7,233	..	225	0	..
	2010	232,955	223,266	9,526	..	163	0	..
	2011	240,030	227,428	12,058	327	217	0	..
	2012	254,253	239,752	12,447	1,847	207	0	..
Iraq	2009	46,065	42,837	3,228	..	..	..	..
	2010	48,909	44,142	4,767	..	..	..	..
	2011	54,240	50,100	4,140	..	..	..	..
	2012	61,704	56,280	5,424	..	..	..	..
Israel	2009	55,008	54,683	24	..	9	24	268
	2010	58,591	58,450	31	..	8	70	32
	2011	59,679	59,371	29	..	7	192	80
	2012	63,038	62,630	33	..	6	369	0
Japan	2009	1,050,326	677,484	83,832	279,750	3,616	2,758	2,886
	2010	1,117,123	727,762	90,682	288,230	4,017	3,800	2,632
	2011	1,051,261	845,278	91,709	101,761	4,677	5,160	2,676
	2012	1,034,305	920,311	83,645	15,939	4,838	6,963	2,609
Jordan	2009	14,272	14,210	59	..	3	..	..
	2010	14,777	14,713	61	..	3	..	..
	2011	14,647	14,589	55	..	3	..	..
	2012	16,596	16,532	61	..	3	..	..
Kazakhstan	2009	78,710	71,831	6,879	..	0	..	..
	2010	82,646	74,624	8,022	..	0	..	..
	2011	86,586	78,703	7,883	..	0	..	..
	2012	91,207	83,567	7,637	..	3	..	..
Korea, Dem. Ppl's Rep.	2009	21,129	8,629	12,500	..	..	..	..
	2010	21,665	8,265	13,400	..	..	..	..
	2011	19,227	6,027	13,200	..	..	..	..
	2012	19,236	5,736	13,500	..	..	..	..
Korea, Republic of	2009	454,504	299,668	5,641	147,771	685	566	173
	2010	499,508	342,502	6,472	148,596	817	772	349
	2011	523,286	358,505	7,831	154,723	863	917	447
	2012	534,618	374,116	7,652	150,327	917	1,103	503
Kuwait	2009	53,216	53,216	..	..	..	..	..
	2010	57,029	57,029	..	..	..	..	..
	2011	57,457	57,457	..	..	..	..	..
	2012	62,655	62,655	..	..	..	..	..
Kyrgyzstan	2009	11,083	866	10,217	..	..	..	..
	2010	12,100	992	11,108	..	..	..	..
	2011	15,158	1,019	14,139	..	..	..	..
	2012	15,168	989	14,179	..	..	..	..
Lao People's Dem. Rep.	2009	3,874	*300	3,381	..	..	*193	..
	2010	3,755	*300	3,262	..	..	*193	..
	2011	3,802	*300	3,309	..	..	*193	..
	2012	*3,802	*300	*3,309	..	..	*193	..
Lebanon	2009	13,771	13,149	622	..	..	..	..
	2010	15,712	14,873	839	..	..	..	..
	2011	16,365	15,560	805	..	..	..	..
	2012	14,826	13,819	1,007	..	..	..	..
Malaysia	2009	107,116	100,491	6,625	..	..	..	..
	2010	116,808	110,556	6,251	..	..	..	..
	2011	124,893	117,269	7,624	..	..	..	..
	2012	134,373	125,319	9,054	..	..	..	..
Maldives	2009	298	298	..	..	..	..	..
	2010	256	256	..	..	..	..	..
	2011	274	274	..	..	..	..	..
	2012	297	297	..	..	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
7,550	7,550	..	..	213,820	206,362	7,233	..	225
7,579	7,579	..	..	225,376	215,687	9,526	..	163
9,836	9,836	..	..	230,194	217,592	12,058	327	217
10,740	10,740	..	..	243,513	229,012	12,447	1,847	207
..	..	..	..	46,065	42,837	3,228	..	..
..	..	..	..	48,909	44,142	4,767	..	..
..	..	..	..	54,240	50,100	4,140	..	..
..	..	..	..	61,704	56,280	5,424	..	..
1,816	1,528	4	284	53,192	53,155	20	..	17
1,718	1,638	4	76	56,873	56,812	27	..	34
1,824	1,552	5	267	57,855	57,819	24	..	12
1,550	1,177	4	369	61,488	61,453	29	..	6
124,935	109,085	9,293	6,557	925,391	568,399	74,539	279,750	2,703
142,310	117,921	16,507	7,882	974,813	609,841	74,175	288,230	2,567
143,367	116,262	17,331	9,774	907,894	729,016	74,378	101,761	2,739
143,426	115,444	16,285	11,697	890,879	804,867	67,360	15,939	2,713
263	263	..	..	14,009	13,947	59	..	3
291	291	..	..	14,486	14,422	61	..	3
257	257	..	..	14,390	14,332	55	..	3
241	241	..	..	16,355	16,291	61	..	3
..	..	..	..	78,710	71,831	6,879	..	0
..	..	..	..	82,646	74,624	8,022	..	0
..	..	..	..	86,586	78,703	7,883	..	0
..	..	..	..	91,207	83,567	7,637	..	3
..	..	..	..	21,129	8,629	12,500	..	..
..	..	..	..	21,665	8,265	13,400	..	..
..	..	..	..	19,227	6,027	13,200	..	..
..	..	..	..	19,236	5,736	13,500	..	..
23,886	23,729	..	157	430,618	275,939	5,641	147,771	1,267
28,482	28,218	..	264	471,026	314,284	6,472	148,596	1,674
29,690	29,305	..	385	493,596	329,200	7,831	154,723	1,842
30,958	30,637	..	321	503,660	343,479	7,652	150,327	2,202
..	..	..	..	53,216	53,216	..	..	..
..	..	..	..	57,029	57,029	..	..	..
..	..	..	..	57,457	57,457	..	..	..
..	..	..	..	62,655	62,655	..	..	..
..	..	..	..	11,083	866	10,217	..	..
..	..	..	..	12,100	992	11,108	..	..
..	..	..	..	15,158	1,019	14,139	..	..
..	..	..	..	15,168	989	14,179	..	..
*193	..	..	*193	3,681	*300	3,381	..	..
*193	..	..	*193	3,562	*300	3,262	..	..
*193	..	..	*193	3,609	*300	3,309	..	..
*193	..	..	*193	*3,609	*300	*3,309	..	..
2,961	2,961	..	..	10,810	10,188	622	..	..
4,500	4,500	..	..	11,212	10,373	839	..	..
4,750	4,750	..	..	11,615	10,810	805	..	..
6,000	6,000	..	..	8,826	7,819	1,007	..	..
1,913	1,913	0	..	105,203	98,578	6,625	..	..
1,888	1,888	0	..	114,919	108,668	6,251	..	..
5,133	5,133	0	..	119,760	112,136	7,624	..	..
6,154	6,154	0	..	128,219	119,165	9,054	..	..
..	..	..	..	298	298	..	..	..
..	..	..	..	256	256	..	..	..
..	..	..	..	274	274	..	..	..
..	..	..	..	297	297	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Mongolia	2009	4,039	4,039	..	..	..	..	..
	2010	4,313	4,313	..	..	..	..	..
	2011	4,536	4,536	..	..	..	..	..
	2012	4,816	4,816	..	..	..	..	..
Myanmar	2009	6,964	1,708	5,256	..	..	..	..
	2010	8,625	2,436	6,189	..	..	..	..
	2011	*10,424	*2,944	*7,480	..	..	..	..
	2012	*10,965	*3,097	*7,868	..	..	..	..
Nepal	2009	3,115	13	3,102	..	..	..	..
	2010	3,208	3	3,205	..	..	..	..
	2011	3,492	2	3,490	..	..	..	..
	2012	3,552	19	3,533	..	..	..	..
Oman	2009	17,823	17,823	..	..	..	..	..
	2010	19,819	19,819	..	..	..	..	..
	2011	21,354	21,354	..	..	..	..	..
	2012	25,017	25,017	..	..	..	..	..
Other Asia	2009	229,694	180,275	7,053	41,571	787	8	..
	2010	246,996	197,113	7,255	41,629	976	23	..
	2011	252,016	201,594	6,902	42,116	1,371	33	..
	2012	250,336	199,770	8,606	40,422	1,262	276	..
Pakistan	2009	95,358	64,371	28,093	2,894	..	..	..
	2010	94,383	59,152	31,811	3,420	..	..	..
	2011	95,090	61,308	28,517	5,265	..	..	..
	2012	*96,126	*61,716	*29,857	*4,553	..	..	..
Philippines	2009	61,968	41,774	9,805	..	64	1	10,324
	2010	67,777	49,964	7,820	..	62	1	9,929
	2011	69,210	49,463	9,715	..	88	1	9,942
	2012	72,956	52,360	10,269	..	75	1	10,250
Qatar	2009	24,158	24,158	..	..	..	..	..
	2010	28,144	28,144	..	..	..	..	..
	2011	30,730	30,730	..	..	..	..	..
	2012	34,787	34,787	..	..	..	..	..
Saudi Arabia	2009	217,082	217,082	..	..	..	0	..
	2010	240,067	240,067	..	..	..	0	..
	2011	250,077	250,077	..	..	..	0	..
	2012	271,680	271,679	..	..	..	1	..
Singapore	2009	41,800	41,800	..	..	..	..	..
	2010	45,366	45,366	..	..	..	..	..
	2011	45,994	45,994	..	..	..	..	..
	2012	46,915	46,915	..	..	..	..	..
Sri Lanka	2009	9,987	6,086	3,891	..	4	7	..
	2010	10,801	5,096	5,645	..	53	7	..
	2011	11,600	6,916	4,584	..	92	9	..
	2012	11,897	8,439	3,302	..	147	10	..
State of Palestine	2009	501	501	..	..	..	..	..
	2010	473	473	..	..	..	..	..
	2011	569	569	..	..	..	..	..
	2012	461	461	..	..	..	..	..
Syrian Arab Republic	2009	43,308	41,442	1,866	..	..	..	..
	2010	46,413	43,821	2,592	..	..	..	..
	2011	42,025	38,742	3,283	..	..	..	..
	2012	31,188	27,951	3,237	..	..	..	..
Tajikistan	2009	16,166	217	15,949	..	..	..	..
	2010	16,436	35	16,401	..	..	..	..
	2011	16,234	38	16,196	..	..	..	..
	2012	16,998	74	16,924	..	..	..	..

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
23	23	..	..	4,016	4,016	..	..	..
28	28	..	..	4,285	4,285	..	..	..
*30	*30	..	..	4,506	4,506	..	..	..
*30	*30	..	..	4,786	4,786	..	..	..
..	..	..	..	6,964	1,708	5,256	..	..
..	..	..	..	8,625	2,436	6,189	..	..
..	..	..	..	*10,424	*2,944	*7,480	..	..
..	..	..	..	*10,965	*3,097	*7,868	..	..
42	..	42	..	3,073	13	3,060	..	..
44	..	44	..	3,164	3	3,161	..	..
59	..	59	..	3,433	2	3,431	..	..
84	..	84	..	3,468	19	3,449	..	..
..	..	..	..	17,823	17,823	..	..	..
..	..	..	..	19,819	19,819	..	..	..
..	..	..	..	21,354	21,354	..	..	..
..	..	..	..	25,017	25,017	..	..	..
36,617	36,617	..	..	193,077	143,658	7,053	41,571	795
37,331	37,331	..	..	209,665	159,782	7,255	41,629	999
36,497	36,497	..	..	215,519	165,097	6,902	42,116	1,404
34,231	34,231	..	..	216,105	165,539	8,606	40,422	1,538
36,814	36,814	..	..	58,544	27,557	28,093	2,894	..
37,214	37,214	..	..	57,169	21,938	31,811	3,420	..
39,674	39,674	..	..	55,416	21,634	28,517	5,265	..
*40,174	*40,174	..	..	*55,952	*21,542	*29,857	*4,553	..
*34	*17	*17	..	61,934	41,757	9,788	..	10,389
*34	*17	*17	..	67,743	49,947	7,803	..	9,992
*34	*17	*17	..	69,176	49,446	9,698	..	10,032
*34	*17	*17	..	72,922	52,343	10,252	..	10,327
21,121	21,121	..	..	3,037	3,037	..	..	..
25,722	25,722	..	..	2,422	2,422	..	..	..
28,370	28,370	..	..	2,360	2,360	..	..	..
31,799	31,799	..	..	2,988	2,988	..	..	..
33,012	33,012	..	..	184,070	184,070	..	..	0
53,585	53,585	..	..	186,482	186,482	..	..	0
59,797	59,797	..	..	190,280	190,280	..	..	0
64,548	64,548	..	..	207,132	207,131	..	..	1
1,136	1,136	..	..	40,664	40,664	..	..	..
1,276	1,276	..	..	44,090	44,090	..	..	..
1,317	1,317	..	..	44,677	44,677	..	..	..
1,724	1,724	..	..	45,191	45,191	..	..	..
17	0	10	7	9,970	6,086	3,881	..	4
18	0	10	7	10,783	5,096	5,634	..	53
18	0	11	8	11,582	6,916	4,573	..	93
18	0	11	8	11,879	8,439	3,291	..	149
..	..	..	..	501	501	..	..	..
..	..	..	..	473	473	..	..	..
..	..	..	..	569	569	..	..	..
..	..	..	..	461	461	..	..	..
1,089	1,089	..	..	42,219	40,353	1,866	..	..
1,082	1,082	..	..	45,331	42,739	2,592	..	..
1,060	1,060	..	..	40,965	37,682	3,283	..	..
752	752	..	..	30,436	27,199	3,237	..	..
..	..	..	..	16,166	217	15,949	..	..
..	..	..	..	16,436	35	16,401	..	..
..	..	..	..	16,234	38	16,196	..	..
..	..	..	..	16,998	74	16,924	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Thailand	2009	148,390	141,230	7,148	..	1	9	2
	2010	159,518	153,953	5,537	..	3	23	2
	2011	151,595	143,632	7,935	..	*3	*23	2
	2012	166,471	158,013	8,431	..	*3	*23	1
Timor-Leste	2009	132	132	..	..	..	..	..
	2010	137	137	..	..	..	..	..
	2011	140	140	..	..	..	..	..
	2012	126	126	..	..	..	..	..
Turkey	2009	194,812	156,923	35,958	..	1,495	..	436
	2010	211,208	155,828	51,796	..	2,916	..	668
	2011	229,393	171,638	52,338	..	4,723	..	694
	2012	239,496	174,872	57,865	..	5,860	..	899
Turkmenistan	2009	15,983	15,980	3	..	..	..	..
	2010	16,663	16,660	3	..	..	..	..
	2011	17,220	17,220	0	..	..	..	..
	2012	17,750	17,750	0	..	..	..	..
United Arab Emirates	2009	90,573	90,573	..	..	..	..	..
	2010	97,728	97,728	..	..	..	..	..
	2011	99,137	99,137	..	..	..	..	..
	2012	100,927	100,927	..	..	..	..	..
Uzbekistan	2009	49,950	40,620	9,330	..	..	..	..
	2010	51,700	40,854	10,846	..	..	..	..
	2011	52,400	42,160	10,240	..	..	..	..
	2012	52,500	41,290	11,210	..	..	..	..
Viet Nam	2009	83,175	53,194	29,981	..	..	..	..
	2010	94,835	66,780	28,055	..	..	..	..
	2011	105,219	63,944	41,188	..	87	..	..
	2012	118,937	65,676	53,171	..	*90	..	..
Yemen	2009	6,746	6,746	..	..	..	..	..
	2010	7,755	7,755	..	..	..	..	..
	2011	6,206	6,206	..	..	..	..	..
	2012	6,579	6,579	..	..	..	..	..
Europe	2009	4,700,174	2,612,540	756,113	1,168,184	134,160	14,172	15,005
	2010	4,905,756	2,724,312	789,833	1,202,516	150,236	23,349	15,510
	2011	4,851,012	2,702,974	707,152	1,196,643	180,877	47,449	15,918
	2012	4,892,646	2,659,907	761,584	1,175,478	207,535	71,654	16,489
Albania	2009	5,236	6	5,230	..	..	..	..
	2010	7,728	13	7,715	..	..	..	..
	2011	3,947	27	3,920	..	..	..	..
	2012	4,288	0	4,288	..	..	..	..
Andorra	2009	*81	*19	*62	..	..	..	..
	2010	113	13	100	..	..	..	..
	2011	91	12	79	..	..	..	..
	2012	*91	*12	*79	..	..	..	..
Austria	2009	69,088	23,398	43,655	..	1,967	49	19
	2010	71,128	27,403	41,553	..	2,064	89	19
	2011	65,811	25,920	37,771	..	1,934	174	12
	2012	72,616	22,123	47,681	..	2,463	337	12
Belarus	2009	30,376	30,331	44	..	1	..	..
	2010	34,895	34,849	45	..	1	..	..
	2011	32,192	32,149	42	..	1	..	..
	2012	30,799	30,723	70	..	6	..	..
Belgium	2009	91,225	40,999	1,757	47,222	996	166	85
	2010	95,120	43,401	1,668	47,944	1,292	560	255
	2011	90,235	36,963	1,423	48,234	2,312	1,169	134
	2012	83,071	35,992	1,659	40,295	2,750	2,148	227

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
14,932	14,932	..	..	133,458	126,298	7,148	..	12
15,136	15,136	..	..	144,382	138,817	5,537	..	28
14,936	14,936	..	..	136,659	128,696	7,935	..	*28
15,134	15,134	..	..	151,337	142,879	8,431	..	*27
..	..	..	..	132	132	..	..	..
..	..	..	..	137	137	..	..	..
..	..	..	..	140	140	..	..	..
..	..	..	..	126	126	..	..	..
13,498	11,903	1,593	2	181,314	145,020	34,365	..	1,929
12,447	11,221	1,224	2	198,761	144,607	50,572	..	3,582
12,243	11,001	1,240	2	217,150	160,637	51,098	..	5,415
13,254	11,594	1,658	2	226,242	163,278	56,207	..	6,757
..	..	..	..	15,983	15,980	3	..	..
..	..	..	..	16,663	16,660	3	..	..
..	..	..	..	17,220	17,220	0	..	..
..	..	..	..	17,750	17,750	0	..	..
..	..	..	..	90,573	90,573	..	..	..
..	..	..	..	97,728	97,728	..	..	..
..	..	..	..	99,137	99,137	..	..	..
..	..	..	..	100,927	100,927	..	..	..
190	190	..	..	49,760	40,430	9,330	..	..
190	190	..	..	51,510	40,664	10,846	..	..
197	197	..	..	52,203	41,963	10,240	..	..
193	193	..	..	52,307	41,097	11,210	..	..
2,465	2,465	..	..	80,710	50,729	29,981	..	..
*3,113	*3,113	..	..	91,722	63,667	28,055	..	..
3,633	3,633	..	..	101,586	60,311	41,188	..	87
*3,700	*3,700	..	..	115,237	61,976	53,171	..	*90
609	609	..	..	6,137	6,137	..	..	..
450	450	..	..	7,305	7,305	..	..	..
269	269	..	..	5,937	5,937	..	..	..
337	337	..	..	6,242	6,242	..	..	..
319,206	296,371	15,751	7,084	4,380,968	2,316,169	740,362	1,168,184	156,253
351,166	327,875	15,570	7,721	4,554,589	2,396,436	774,263	1,202,516	181,373
353,645	326,419	15,380	11,846	4,497,368	2,376,555	691,772	1,196,643	232,398
352,764	321,087	15,687	15,990	4,539,883	2,338,821	745,897	1,175,478	279,687
..	..	..	..	5,236	6	5,230	..	..
..	..	..	..	7,728	13	7,715	..	..
..	..	..	..	3,947	27	3,920	..	..
..	..	..	..	4,288	0	4,288	..	..
..	..	..	..	*81	*19	*62	..	..
..	..	..	..	113	13	100	..	..
..	..	..	..	91	12	79	..	..
..	..	..	..	*91	*12	*79	..	..
8,482	7,210	1,255	17	60,606	16,188	42,400	..	2,018
9,397	8,304	1,075	18	61,731	19,099	40,478	..	2,154
9,455	8,478	966	11	56,356	17,442	36,805	..	2,109
9,232	8,043	1,178	11	63,384	14,080	46,503	..	2,801
1,736	1,721	14	1	28,640	28,610	30	..	..
2,440	2,437	2	1	32,455	32,412	43	..	..
2,588	2,583	4	1	29,604	29,566	38	..	..
3,050	3,042	6	2	27,749	27,681	64	..	4
3,824	3,574	..	250	87,401	37,425	1,757	47,222	997
5,297	4,475	..	822	89,823	38,926	1,668	47,944	1,285
6,588	5,275	..	1,313	83,647	31,688	1,423	48,234	2,302
8,230	5,859	..	2,371	74,841	30,133	1,659	40,295	2,754

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Bosnia and Herzegovina	2009	15,668	9,429	6,239	..	..	..	..
	2010	17,124	9,098	8,026	..	..	..	..
	2011	15,280	10,893	4,387	..	..	..	..
	2012	14,082	9,867	4,215	..	..	..	..
Bulgaria	2009	42,964	23,400	4,053	15,256	237	3	15
	2010	46,653	25,001	5,693	15,249	681	15	14
	2011	50,797	29,807	3,691	16,314	861	101	23
	2012	47,329	25,518	3,976	15,785	1,221	814	15
Croatia	2009	12,776	5,907	6,815	..	54	0	..
	2010	14,105	5,531	8,435	..	139	0	..
	2011	10,831	6,010	4,620	..	201	0	..
	2012	10,557	5,425	4,801	..	329	2	..
Czech Republic	2009	82,250	51,683	2,982	27,208	288	89	..
	2010	85,910	53,581	3,380	27,998	335	616	..
	2011	87,561	54,035	2,664	28,283	397	2,182	..
	2012	87,573	51,824	2,860	30,324	416	2,149	..
Denmark	2009	36,383	29,639	19	..	6,721	4	..
	2010	38,862	31,026	21	..	7,809	6	..
	2011	35,232	25,426	17	..	9,774	15	..
	2012	30,727	20,336	17	..	10,270	104	..
Estonia	2009	8,779	8,552	32	..	195	..	..
	2010	12,964	12,660	27	..	277	..	..
	2011	12,893	12,495	30	..	368	..	..
	2012	11,967	11,491	42	..	434	..	..
Faeroe Islands	2009	276	168	92	..	15	..	..
	2010	280	199	67	..	14	..	..
	2011	274	167	93	..	15	..	..
	2012	292	181	100	..	11	..	..
Finland	2009	72,062	35,266	12,686	23,526	277	4	303
	2010	80,668	44,329	12,922	22,800	294	5	318
	2011	73,481	37,058	12,445	23,187	481	5	305
	2012	70,399	29,725	16,859	22,987	494	5	329
France	2009	535,472	55,235	61,966	409,736	7,913	174	448
	2010	569,166	62,407	67,200	428,521	9,942	620	476
	2011	560,343	53,488	49,865	442,383	12,052	2,078	477
	2012	564,275	55,273	63,595	425,406	14,913	4,015	1,073
Germany	2009	595,617	388,640	24,682	134,932	38,647	6,584	2,132
	2010	632,983	413,207	27,353	140,556	37,793	11,729	2,345
	2011	613,068	410,773	23,511	107,971	48,883	19,599	2,331
	2012	629,812	423,424	27,849	99,460	50,670	26,380	2,029
Gibraltar	2009	174	174	..	..	..	..	..
	2010	177	177	..	..	..	..	..
	2011	171	171	..	..	..	..	..
	2012	176	176	..	..	..	..	..
Greece	2009	61,365	53,127	5,645	..	2,543	50	..
	2010	57,392	47,035	7,485	..	2,714	158	..
	2011	59,436	51,236	4,275	..	3,315	610	..
	2012	60,959	50,824	4,591	..	3,850	1,694	..
Guernsey	2009	174	174	..	..	..	..	..
	2010	152	152	..	..	..	..	..
	2011	85	85	..	..	..	..	..
	2012	68	68	..	..	..	..	..
Hungary	2009	35,908	19,922	228	15,426	331	1	..
	2010	37,371	20,887	188	15,761	534	1	..
	2011	35,983	19,449	222	15,685	626	1	..
	2012	34,590	17,806	213	15,793	770	8	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
320	320	..	..	15,348	9,109	6,239	..	..
402	402	..	..	16,722	8,696	8,026	..	..
325	325	..	..	14,955	10,568	4,387	..	..
343	343	..	..	13,739	9,524	4,215	..	..
204	189	..	15	42,760	23,211	4,053	15,256	240
242	228	..	14	46,411	24,773	5,693	15,249	696
147	124	..	23	50,650	29,683	3,691	16,314	962
270	255	..	15	47,059	25,263	3,976	15,785	2,035
405	400	5	..	12,371	5,507	6,810	..	54
455	447	8	..	13,650	5,084	8,427	..	139
516	512	4	..	10,315	5,498	4,616	..	201
388	383	5	..	10,169	5,042	4,796	..	331
8,906	8,336	570	..	73,344	43,347	2,412	27,208	377
9,314	8,628	686	..	76,596	44,953	2,694	27,998	951
8,129	7,626	503	..	79,432	46,409	2,161	28,283	2,579
7,985	7,462	523	..	79,588	44,362	2,337	30,324	2,565
2,101	2,097	..	4	34,282	27,542	19	..	6,721
2,284	2,278	..	6	36,578	28,748	21	..	7,809
2,164	2,149	..	15	33,068	23,277	17	..	9,774
2,049	1,945	..	104	28,678	18,391	17	..	10,270
96	95	0	1	8,683	8,457	32	..	194
107	106	0	1	12,857	12,554	27	..	276
105	105	0	0	12,788	12,390	30	..	368
98	97	0	1	11,869	11,394	42	..	433
..	..	..	..	276	168	92	..	15
..	..	..	..	280	199	67	..	14
..	..	..	..	274	167	93	..	15
..	..	..	..	292	181	100	..	11
9,970	8,878	896	196	62,092	26,388	11,790	23,526	388
11,042	9,977	860	205	69,626	34,352	12,062	22,800	412
10,604	9,460	949	195	62,877	27,598	11,496	23,187	596
10,217	8,749	1,244	224	60,182	20,976	15,615	22,987	604
13,504	12,311	807	386	521,968	42,924	61,159	409,736	8,149
13,326	11,932	814	580	555,840	50,475	66,386	428,521	10,458
15,029	12,149	695	2,185	545,314	41,339	49,170	442,383	12,422
20,837	15,778	838	4,221	543,438	39,495	62,757	425,406	15,780
45,960	44,095	365	1,500	549,657	344,545	24,317	134,932	45,863
52,974	50,872	378	1,724	580,009	362,335	26,975	140,556	50,143
50,614	48,649	327	1,638	562,454	362,124	23,184	107,971	69,175
44,094	42,421	350	1,323	585,718	381,003	27,499	99,460	77,756
..	..	..	..	174	174	..	..	..
..	..	..	..	177	177	..	..	..
..	..	..	..	171	171	..	..	..
..	..	..	..	176	176	..	..	..
1,958	1,958	..	..	59,407	51,169	5,645	..	2,593
2,492	2,492	..	..	54,900	44,543	7,485	..	2,872
2,553	2,553	..	..	56,883	48,683	4,275	..	3,925
2,351	2,351	..	..	58,608	48,473	4,591	..	5,544
..	..	..	..	174	174	..	..	..
..	..	..	..	152	152	..	..	..
..	..	..	..	85	85	..	..	..
..	..	..	..	68	68	..	..	..
353	352	..	1	35,555	19,570	228	15,426	331
426	425	..	1	36,945	20,462	188	15,761	534
660	659	..	1	35,323	18,790	222	15,685	626
480	472	..	8	34,110	17,334	213	15,793	770

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Iceland	2009	16,834	2	12,279	..	..	..	4,553
	2010	17,059	2	12,592	..	..	..	4,465
	2011	17,211	2	12,507	..	..	..	4,702
	2012	17,549	3	12,337	..	..	..	5,209
Ireland	2009	28,313	24,101	1,257	..	2,955	..	..
	2010	28,602	25,011	776	..	2,815	..	..
	2011	27,472	22,385	707	..	4,380	..	..
	2012	27,592	22,568	1,014	..	4,010	..	..
Isle of Man	2009	533	529	3	..	..	..	..
	2010	498	495	3	..	..	..	..
	2011	499	496	3	..	..	..	..
	2012	296	292	4	..	..	..	..
Italy	2009	292,641	226,034	53,443	..	6,543	676	5,945
	2010	302,064	230,473	54,406	..	9,126	1,906	6,153
	2011	302,584	227,710	47,760	..	9,856	10,796	6,462
	2012	299,277	216,811	43,854	..	13,407	18,862	6,343
Jersey	2009	64	64	..	..	..	..	..
	2010	56	56	..	..	..	..	..
	2011	46	46	..	..	..	..	..
	2012	*47	*47	..	..	..	..	..
Latvia	2009	5,569	2,062	3,457	..	50	..	..
	2010	6,627	3,058	3,520	..	49	..	..
	2011	6,095	3,137	2,887	..	71	..	..
	2012	6,168	2,347	3,707	..	114	..	..
Liechtenstein	2009	71	4	66	..	..	1	..
	2010	79	4	72	..	..	3	..
	2011	72	4	62	..	..	6	..
	2012	86	4	74	..	..	9	..
Lithuania	2009	15,358	2,938	1,139	10,852	158	..	271
	2010	5,749	3,980	1,295	0	224	..	250
	2011	4,822	3,034	1,056	0	475	..	257
	2012	5,043	3,337	937	0	540	2	227
Luxembourg	2009	3,879	2,963	833	..	63	20	..
	2010	4,590	3,046	1,468	..	55	21	..
	2011	3,718	2,498	1,130	..	64	26	..
	2012	3,814	2,543	1,158	..	75	38	..
Malta	2009	2,168	2,168	..	..	..	0	..
	2010	2,115	2,115	..	..	..	0	..
	2011	2,194	2,186	..	..	..	8	..
	2012	2,290	2,277	..	..	..	13	..
Montenegro	2009	2,760	689	2,071	..	..	..	..
	2010	4,022	1,272	2,750	..	..	..	..
	2011	2,656	1,452	1,204	..	..	..	..
	2012	2,844	1,367	1,477	..	..	..	..
Netherlands	2009	113,502	104,419	98	4,228	4,581	46	130
	2010	118,140	109,859	105	3,969	3,993	60	154
	2011	112,968	103,421	57	4,141	5,100	101	148
	2012	102,505	93,103	104	3,915	4,982	254	147
Norway	2009	131,773	4,644	126,077	..	977	..	75
	2010	123,640	5,454	117,152	..	879	..	155
	2011	127,632	4,716	121,552	..	1,283	..	81
	2012	147,845	3,323	142,964	..	1,556	..	2
Poland	2009	151,720	147,669	2,974	..	1,077	..	..
	2010	157,657	152,505	3,488	..	1,664	..	..
	2011	163,548	157,582	2,761	..	3,205	..	..
	2012	162,139	154,926	2,465	..	4,747	1	..

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	16,834	2	12,279	..	4,553
..	..	..	..	17,059	2	12,592	..	4,465
..	..	..	..	17,211	2	12,507	..	4,702
..	..	..	..	17,549	3	12,337	..	5,209
1,833	1,833	..	..	26,480	22,268	1,257	..	2,955
1,947	1,947	..	..	26,655	23,064	776	..	2,815
1,962	1,962	..	..	25,510	20,423	707	..	4,380
2,120	2,120	..	..	25,472	20,448	1,014	..	4,010
..	..	..	..	533	529	3	..	..
..	..	..	..	498	495	3	..	..
..	..	..	..	499	496	3	..	..
..	..	..	..	296	292	4	..	..
20,275	19,000	889	386	272,366	207,034	52,554	..	12,778
23,867	22,424	927	516	278,197	208,049	53,479	..	16,669
23,562	22,182	868	512	279,022	205,528	46,892	..	26,602
16,057	15,025	573	459	283,220	201,786	43,281	..	38,153
18	18	..	..	46	46	..	..	..
15	15	..	..	41	41	..	..	..
33	33	..	..	13	13	..	..	..
*34	*34	..	..	*13	*13	..	..	..
75	63	8	4	5,494	1,999	3,449	..	46
83	68	10	5	6,544	2,990	3,510	..	44
88	79	9	0	6,007	3,058	2,878	..	71
184	177	7	0	5,984	2,170	3,700	..	114
..	..	..	..	71	4	66	..	1
..	..	..	..	79	4	72	..	3
..	..	..	..	72	4	62	..	6
..	..	..	..	86	4	74	..	9
622	351	..	271	14,736	2,587	1,139	10,852	158
552	302	..	250	5,197	3,678	1,295	0	224
600	343	..	257	4,222	2,691	1,056	0	475
787	560	..	227	4,256	2,777	937	0	542
207	181	6	20	3,672	2,782	827	..	63
216	187	8	21	4,374	2,859	1,460	..	55
208	178	4	26	3,510	2,320	1,126	..	64
225	182	5	38	3,589	2,361	1,153	..	75
0	0	..	..	2,168	2,168	..	..	0
2	2	..	..	2,113	2,113	..	..	0
2	2	..	..	2,192	2,184	..	..	8
9	9	..	..	2,281	2,268	..	..	13
..	..	..	..	2,760	689	2,071	..	..
..	..	..	..	4,022	1,272	2,750	..	..
..	..	..	..	2,656	1,452	1,204	..	..
..	..	..	..	2,844	1,367	1,477	..	..
21,790	20,730	..	1,060	91,712	83,689	98	4,228	3,697
23,026	22,045	..	981	95,114	87,814	105	3,969	3,226
24,189	22,578	..	1,611	88,779	80,843	57	4,141	3,738
24,347	22,691	..	1,656	78,158	70,412	104	3,915	3,727
9,513	4,436	5,007	70	122,260	208	121,070	..	982
10,050	5,151	4,773	126	113,590	303	112,379	..	908
9,538	4,379	5,101	58	118,094	337	116,451	..	1,306
8,087	2,959	5,126	2	139,758	364	137,838	..	1,556
6,882	6,880	2	..	144,838	140,789	2,972	..	1,077
7,966	7,964	2	..	149,691	144,541	3,486	..	1,664
8,342	8,340	2	..	155,206	149,242	2,759	..	3,205
8,449	8,446	2	1	153,690	146,480	2,463	..	4,747

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Portugal	2009	50,207	33,277	9,009	..	7,577	160	184
	2010	54,090	27,950	16,547	..	9,182	211	200
	2011	52,463	30,693	12,115	..	9,161	280	214
	2012	46,614	29,151	6,660	..	10,259	393	151
Republic of Moldova	2009	1,033	978	55	..	..	..	..
	2010	1,064	985	79	..	..	..	..
	2011	1,016	940	76	..	..	..	..
	2012	932	898	34	..	..	..	..
Romania	2009	58,014	30,446	15,807	11,752	9	0	..
	2010	60,979	28,807	20,243	11,623	306	0	..
	2011	62,217	34,135	14,946	11,747	1,388	1	..
	2012	59,045	32,594	12,337	11,466	2,640	8	..
Russian Federation	2009	991,980	651,810	176,118	163,584	4	..	464
	2010	1,038,030	698,709	168,397	170,415	4	..	505
	2011	1,054,765	713,689	167,608	172,941	5	..	522
	2012	1,070,734	725,399	167,319	177,534	5	..	477
Serbia	2009	38,322	27,178	11,144	..	..	..	..
	2010	38,103	25,532	12,571	..	..	..	..
	2011	38,600	29,357	9,243	..	..	..	..
	2012	36,799	26,885	9,914	..	..	..	..
Slovakia	2009	26,155	7,425	4,604	14,081	6	..	39
	2010	27,858	7,572	5,649	14,574	6	17	40
	2011	28,656	8,619	4,146	15,411	5	397	78
	2012	28,664	8,231	4,439	15,495	6	424	69
Slovenia	2009	16,401	5,945	4,713	5,739	..	4	..
	2010	16,433	6,066	4,697	5,657	..	13	..
	2011	16,057	6,074	3,703	6,215	..	65	..
	2012	15,729	5,958	4,080	5,528	..	163	..
Spain	2009	294,620	168,175	29,162	52,761	38,117	6,064	341
	2010	301,527	142,410	45,511	61,990	44,271	7,186	159
	2011	293,848	150,730	32,911	57,718	42,918	9,400	171
	2012	297,559	150,312	24,162	61,470	49,472	11,968	175
Sweden	2009	136,729	16,087	65,977	52,173	2,485	7	..
	2010	148,563	20,723	66,501	57,828	3,502	9	..
	2011	150,376	17,256	66,556	60,475	6,078	11	..
	2012	166,562	16,283	79,058	64,037	7,165	19	..
Switzerland	2009	68,453	3,187	37,507	27,686	23	50	..
	2010	67,815	3,531	37,825	26,339	37	83	..
	2011	64,626	3,564	34,133	26,710	70	149	..
	2012	69,866	3,712	40,305	25,441	88	320	..
T.F.Yug.Rep. Macedonia	2009	6,828	5,558	1,270	..	..	..	..
	2010	7,260	4,829	2,431	..	..	..	..
	2011	6,759	5,325	1,433	..	..	1	..
	2012	6,262	5,218	1,041	..	..	3	..
Ukraine	2009	173,619	78,716	11,936	82,924	43	..	..
	2010	188,584	86,229	13,152	89,152	50	1	..
	2011	194,947	93,634	10,946	90,248	89	30	..
	2012	198,878	97,126	10,994	90,137	288	333	..
United Kingdom	2009	376,755	289,403	8,926	69,098	9,307	20	1
	2010	381,760	302,669	6,725	62,140	10,184	40	2
	2011	367,455	274,126	8,595	68,980	15,509	244	1
	2012	363,837	264,405	8,251	70,405	19,584	1,188	4
Oceania	2009	302,179	253,653	38,085	..	5,355	165	4,922
	2010	307,430	254,165	40,280	..	6,750	291	5,944
	2011	307,580	248,697	44,023	..	7,815	863	6,182
	2012	303,688	248,536	39,160	..	8,254	1,503	6,235

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
6,515	6,499	16	..	43,692	26,778	8,993	..	7,921
7,743	7,721	19	3	46,347	20,229	16,528	..	9,590
8,346	8,250	14	82	44,117	22,443	12,101	..	9,573
8,344	8,184	10	150	38,270	20,967	6,650	..	10,653
21	21	..	..	1,012	957	55	..	..
38	38	..	..	1,026	947	79	..	..
34	34	..	..	982	906	76	..	..
32	32	..	..	900	866	34	..	..
2,305	2,084	220	1	55,709	28,362	15,587	11,752	8
2,657	2,383	268	6	58,322	26,424	19,975	11,623	300
2,780	2,626	129	25	59,437	31,509	14,817	11,747	1,364
4,252	3,908	158	186	54,793	28,686	12,179	11,466	2,462
52,364	51,432	932	..	939,616	600,378	175,186	163,584	468
61,904	60,996	908	..	976,126	637,713	167,489	170,415	509
64,108	63,002	1,106	..	990,657	650,687	166,502	172,941	527
67,181	66,158	1,023	..	1,003,553	659,241	166,296	177,534	482
160	160	..	..	38,162	27,018	11,144	..	..
286	286	..	..	37,817	25,246	12,571	..	..
230	230	..	..	38,370	29,127	9,243	..	..
171	171	..	..	36,628	26,714	9,914	..	..
2,090	1,937	108	45	24,065	5,488	4,496	14,081	..
2,040	1,869	110	61	25,818	5,703	5,539	14,574	2
2,492	1,996	101	395	26,164	6,623	4,045	15,411	85
2,536	2,039	88	409	26,128	6,192	4,351	15,495	90
466	300	163	3	15,935	5,645	4,550	5,739	1
464	292	160	12	15,969	5,774	4,537	5,657	1
434	249	122	63	15,623	5,825	3,581	6,215	2
527	251	119	157	15,202	5,707	3,961	5,528	6
38,125	37,137	609	379	256,495	131,038	28,553	52,761	44,143
38,769	37,722	847	200	262,758	104,688	44,664	61,990	51,416
40,818	39,750	861	207	253,030	110,980	32,050	57,718	52,282
41,427	40,752	462	213	256,132	109,560	23,700	61,470	61,402
5,589	5,573	16	..	131,140	10,514	65,961	52,173	2,492
6,606	6,592	14	..	141,957	14,131	66,487	57,828	3,511
6,015	6,000	15	..	144,361	11,256	66,541	60,475	6,089
6,350	6,333	17	..	160,212	9,950	79,041	64,037	7,184
5,898	2,958	2,890	50	62,555	229	34,617	27,686	23
6,202	3,318	2,801	83	61,613	213	35,024	26,339	37
5,985	3,353	2,483	149	58,641	211	31,650	26,710	70
6,571	3,433	2,818	320	63,295	279	37,487	25,441	88
1	1	..	..	6,827	5,557	1,270	..	..
2	2	..	..	7,258	4,827	2,431	..	..
2	2	..	..	6,757	5,323	1,433	..	1
2	2	..	..	6,260	5,216	1,041	..	3
4,642	4,616	26	..	168,977	74,100	11,910	82,924	43
4,846	4,818	28	..	183,738	81,411	13,124	89,152	51
3,653	3,632	21	..	191,294	90,002	10,925	90,248	119
3,773	3,753	20	..	195,105	93,373	10,974	90,137	621
41,996	38,625	947	2,424	334,759	250,778	7,979	69,098	6,904
41,687	38,730	872	2,085	340,073	263,939	5,853	62,140	8,141
40,747	36,572	1,096	3,079	326,708	237,554	7,499	68,980	12,675
41,675	36,668	1,115	3,892	322,162	227,737	7,136	70,405	16,884
20,012	19,373	372	267	282,168	234,280	37,713	..	10,175
20,197	19,431	372	394	287,233	234,733	39,908	..	12,591
21,299	19,960	372	967	286,281	228,738	43,651	..	13,893
22,592	20,633	372	1,587	281,096	227,903	38,788	..	14,405

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
American Samoa	2009	178	178	..	..	..	..	..
	2010	159	159	..	..	..	..	..
	2011	155	155	..	..	..	..	..
	2012	157	156	..	..	..	1	..
Australia	2009	248,753	232,900	11,869	..	3,824	160	..
	2010	252,155	233,270	13,549	..	5,052	283	1
	2011	252,623	229,154	16,807	..	5,807	854	1
	2012	248,941	227,253	14,083	..	6,113	1,492	0
Cook Islands	2009	33	33	..	..	..	..	..
	2010	34	34	..	..	..	..	..
	2011	34	34	..	..	..	..	..
	2012	33	33	..	..	..	..	..
Fiji	2009	809	342	460	..	7	..	..
	2010	869	449	414	..	6	..	..
	2011	835	374	456	..	5	..	..
	2012	837	305	525	..	7	..	..
French Polynesia	2009	*736	*521	210	..	0	3	..
	2010	*818	*538	276	..	0	*3	..
	2011	*761	*533	*225	..	0	*3	..
	2012	*766	*553	*209	..	0	*3	..
Guam	2009	1,868	1,868	..	..	..	..	..
	2010	*1,882	*1,882	..	..	..	..	..
	2011	*1,858	*1,858	..	..	..	..	..
	2012	*1,799	*1,799	..	..	..	..	..
Kiribati	2009	*22	*22	..	..	..	..	..
	2010	*24	*24	..	..	..	..	..
	2011	*24	*24	..	..	..	..	..
	2012	*24	*24	..	..	..	..	..
Marshall Islands	2009	*111	*111	..	..	..	..	..
	2010	*114	*114	..	..	..	..	..
	2011	*114	*114	..	..	..	..	..
	2012	*114	*114	..	..	..	..	..
Micronesia(Fed. States of)	2009	70	69	..	..	..	*1	..
	2010	70	68	..	..	..	*2	..
	2011	66	64	..	..	..	*2	..
	2012	*67	*65	..	..	..	*2	..
Nauru	2009	21	21	..	..	..	..	..
	2010	23	23	..	..	..	..	..
	2011	23	23	..	..	..	..	..
	2012	24	24	..	..	..	..	..
New Caledonia	2009	1,939	1,491	406	..	42	..	..
	2010	2,131	1,811	265	..	52	3	..
	2011	2,256	1,833	375	..	46	3	..
	2012	2,264	1,804	399	..	57	4	..
New Zealand	2009	43,453	12,834	24,221	..	1,476	..	4,922
	2010	44,876	12,583	24,716	..	1,634	..	5,943
	2011	44,465	11,218	25,114	..	1,952	..	6,181
	2012	44,295	13,092	22,894	..	2,074	..	6,235
Niue	2009	*3	*3	..	..	..	..	..
	2010	*3	*3	..	..	..	..	..
	2011	*3	*3	..	..	..	..	..
	2012	*3	*3	..	..	..	..	..
Northern Mariana Islands	2009	*397	*397	..	..	..	..	..
	2010	*400	*400	..	..	..	..	..
	2011	*400	*400	..	..	..	..	..
	2012	*400	*400	..	..	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	178	178	..	..	..
..	..	..	..	159	159	..	..	..
..	..	..	..	155	155	..	..	..
..	..	..	..	157	156	..	..	1
16,073	15,917	..	156	232,680	216,983	11,869	..	3,828
16,288	16,009	..	279	235,867	217,261	13,549	..	5,057
17,393	16,543	..	850	235,230	212,611	16,807	..	5,812
18,611	17,122	..	1,489	230,330	210,131	14,083	..	6,116
..	..	..	..	33	33	..	..	..
..	..	..	..	34	34	..	..	..
..	..	..	..	34	34	..	..	..
..	..	..	..	33	33	..	..	..
32	32	..	..	777	310	460	..	7
34	34	..	..	835	415	414	..	6
*34	*34	..	..	801	340	456	..	5
*34	*34	..	..	803	271	525	..	7
..	..	..	..	*736	*521	210	..	4
..	..	..	..	*818	*538	276	..	*4
..	..	..	..	*761	*533	*225	..	*4
..	..	..	..	*766	*553	*209	..	*4
..	..	..	..	1,868	1,868	..	..	..
..	..	..	..	*1,882	*1,882	..	..	..
..	..	..	..	*1,858	*1,858	..	..	..
..	..	..	..	*1,799	*1,799	..	..	..
..	..	..	..	*22	*22	..	..	..
..	..	..	..	*24	*24	..	..	..
..	..	..	..	*24	*24	..	..	..
..	..	..	..	*24	*24	..	..	..
..	..	..	..	*111	*111	..	..	..
..	..	..	..	*114	*114	..	..	..
..	..	..	..	*114	*114	..	..	..
..	..	..	..	*114	*114	..	..	..
..	..	..	..	70	69	..	..	*1
..	..	..	..	70	68	..	..	*2
..	..	..	..	66	64	..	..	*2
..	..	..	..	*67	*65	..	..	*2
..	..	..	..	21	21	..	..	..
..	..	..	..	23	23	..	..	..
..	..	..	..	23	23	..	..	..
..	..	..	..	24	24	..	..	..
..	..	..	..	1,939	1,491	406	..	42
..	..	..	..	2,131	1,811	265	..	54
..	..	..	..	2,256	1,833	375	..	49
..	..	..	..	2,264	1,804	399	..	61
1,317	1,194	12	111	42,136	11,640	24,209	..	6,287
1,391	1,264	12	115	43,485	11,319	24,704	..	7,462
1,288	1,159	12	117	43,177	10,059	25,102	..	8,016
1,363	1,253	12	98	42,932	11,839	22,882	..	8,211
..	..	..	..	*3	*3	..	..	..
..	..	..	..	*3	*3	..	..	..
..	..	..	..	*3	*3	..	..	..
..	..	..	..	*3	*3	..	..	..
..	..	..	..	*397	*397	..	..	..
..	..	..	..	*400	*400	..	..	..
..	..	..	..	*400	*400	..	..	..
..	..	..	..	*400	*400	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Palau	2009	*101	*83	*18	..	..	..	..
	2010	*98	*80	*18	..	..	..	..
	2011	*96	*78	*18	..	..	..	..
	2012	*96	*78	*18	..	..	..	..
Papua New Guinea	2009	3,341	2,487	854	..	..	..	..
	2010	3,425	2,439	987	..	..	..	..
	2011	3,525	2,539	987	..	..	..	..
	2012	*3,525	*2,539	*987	..	..	..	..
Samoa	2009	113	74	39	..	..	..	..
	2010	116	69	48	..	..	..	..
	2011	114	79	35	..	..	..	..
	2012	117	80	37	..	..	..	..
Solomon Islands	2009	84	84	..	..	..	..	..
	2010	87	87	..	..	..	..	..
	2011	83	83	..	..	..	..	..
	2012	83	83	..	..	..	..	..
Tonga	2009	55	55	..	..	..	..	..
	2010	52	52	..	..	..	..	..
	2011	53	53	..	..	..	..	..
	2012	52	52	..	..	..	..	..
Tuvalu	2009	*5	*5	..	..	..	..	..
	2010	*5	*5	..	..	..	..	..
	2011	*5	*5	..	..	..	..	..
	2012	*5	*5	..	..	..	..	..
Vanuatu	2009	69	56	7	..	6	..	..
	2010	69	56	8	..	5	..	..
	2011	*68	*57	6	..	*5	..	..
	2012	67	57	7	..	*3	..	..
Wallis and Futuna Is.	2009	20	20	..	..	..	..	..
	2010	20	20	..	..	..	..	..
	2011	20	20	..	..	..	..	..
	2012	19	19	..	..	..	..	..

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*6	*6	..	..	*95	*77	*18	..	..
*6	*6	..	..	*92	*74	*18	..	..
*6	*6	..	..	*90	*72	*18	..	..
*6	*6	..	..	*90	*72	*18	..	..
2,571	2,211	360	..	770	276	494	..	..
2,465	2,105	360	..	960	334	627	..	..
2,565	2,205	360	..	960	334	627	..	..
*2,565	*2,205	*360	..	*960	*334	*627	..	..
*5	*5	..	..	108	69	39	..	..
*5	*5	..	..	111	64	48	..	..
*5	*5	..	..	109	74	35	..	..
*5	*5	..	..	112	75	37	..	..
*8	*8	..	..	76	76	..	..	..
*8	*8	..	..	79	79	..	..	..
*8	*8	..	..	75	75	..	..	..
*8	*8	..	..	75	75	..	..	..
..	..	..	..	55	55	..	..	..
..	..	..	..	52	52	..	..	..
..	..	..	..	53	53	..	..	..
..	..	..	..	52	52	..	..	..
..	..	..	..	*5	*5	..	..	..
..	..	..	..	*5	*5	..	..	..
..	..	..	..	*5	*5	..	..	..
..	..	..	..	*5	*5	..	..	..
..	..	..	..	69	56	7	..	6
..	..	..	..	69	56	8	..	5
..	..	..	..	*68	*57	6	..	*5
..	..	..	..	67	57	7	..	*3
..	..	..	..	20	20	..	..	..
..	..	..	..	20	20	..	..	..
..	..	..	..	20	20	..	..	..
..	..	..	..	19	19	..	..	..

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Table Notes

Supply is calculated as production plus imports minus exports.

EIOU and losses refers to energy industries own use of electricity, including for pumped storage, and losses.

Consumption refers to final energy consumption of electricity.

Figures may not add up due to statistical differences, or for some countries quantities transformed into heat in heat pumps and/or electric boilers .

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification.

Figure 81: World electricity generation, 1990-2012

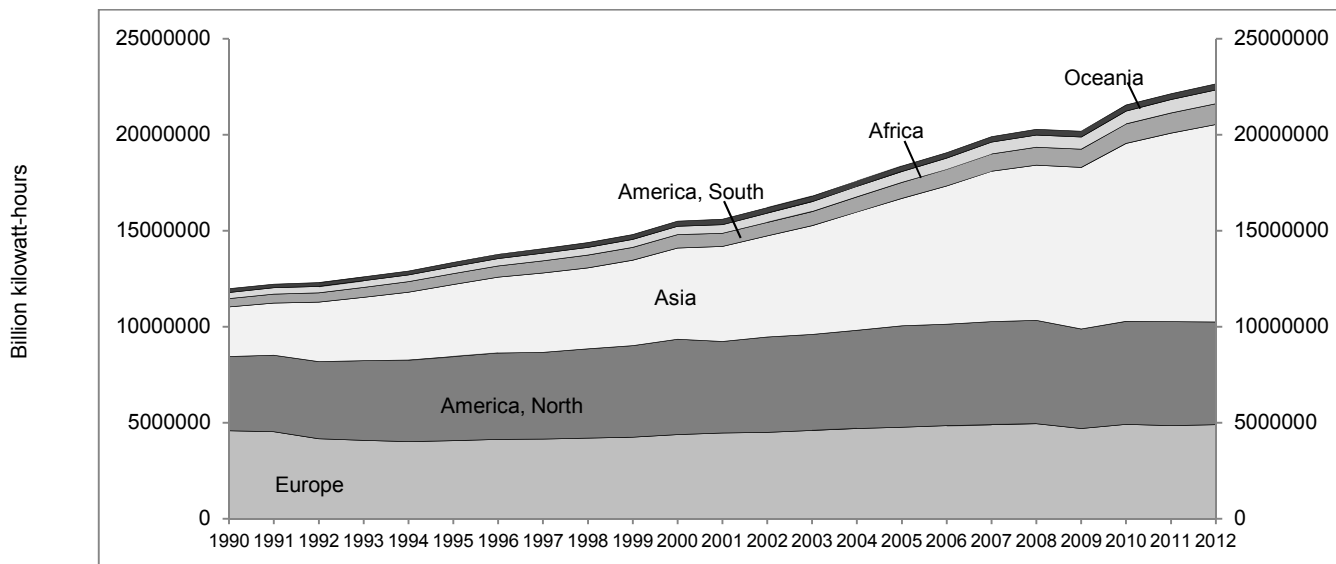


Figure 82: Major electricity producing countries, 2012

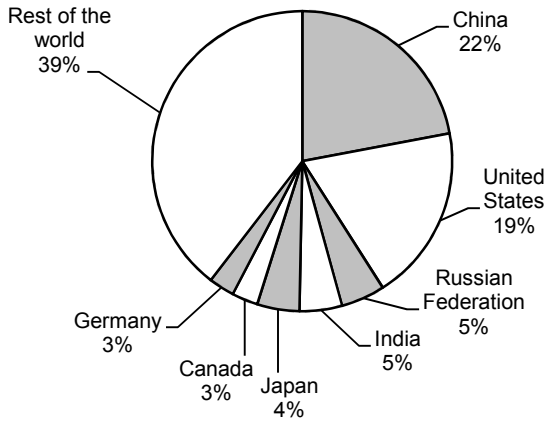


Figure 83: Major electricity consuming countries, 2012

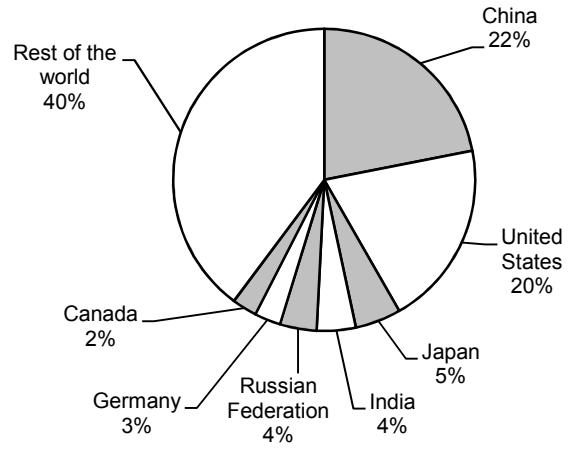


Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
World	2009	20,185,302	595,729	587,124	20,193,907	2,955	3,468,964	16,736,462
	2010	21,540,431	600,773	588,513	21,552,691	3,117	3,600,420	17,887,773
	2011	22,133,704	662,194	642,787	22,153,110	3,166	3,754,446	18,417,645
	2012	22,637,312	688,333	672,175	22,653,471	3,200	3,815,162	18,809,529
Africa	2009	633,940	37,799	32,740	638,998	636	120,285	517,042
	2010	678,098	38,083	34,136	682,046	662	128,510	549,750
	2011	701,500	37,945	33,709	705,736	668	130,995	568,391
	2012	721,761	36,474	30,313	727,923	672	135,907	586,827
Algeria	2009	38,501	330	362	38,469	1,057	10,557	27,911
	2010	45,734	736	803	45,667	1,232	12,195	33,470
	2011	51,224	657	799	51,082	1,353	15,213	35,867
	2012	57,397	936	985	57,348	1,490	16,571	40,777
Angola	2009	4,735	..	..	4,735	250	711	4,024
	2010	5,449	..	..	5,449	279	763	4,686
	2011	5,651	..	..	5,651	280	776	4,875
	2012	5,613	..	..	5,613	270	771	4,842
Benin	2009	128	866	..	994	108	208	786
	2010	150	935	..	1,085	114	207	842
	2011	155	931	..	1,086	111	214	872
	2012	163	983	..	1,146	114	226	920
Botswana	2009	621	2,749	..	3,369	1,726	452	2,917
	2010	532	2,985	..	3,517	1,786	408	3,109
	2011	437	3,180	..	3,617	1,821	500	3,118
	2012	250	3,371	..	3,621	1,807	423	3,198
Burkina Faso	2009	700	145	..	844	56	139	705
	2010	565	385	..	950	61	169	*781
	2011	530	495	..	1,025	64	*175	*850
	2012	626	515	..	1,141	69	*196	*945
Burundi	2009	123	*92	..	215	24	*42	*172
	2010	144	95	..	239	26	*48	*200
	2011	143	*99	..	242	25	8	*244
	2012	144	*99	..	242	25	8	*238
Cabo Verde	2009	296	..	..	296	609	89	207
	2010	347	..	..	347	712	110	224
	2011	362	..	..	362	738	101	225
	2012	371	..	..	371	750	108	224
Cameroon	2009	5,783	..	..	5,783	288	1,121	4,662
	2010	5,899	..	..	5,899	286	1,036	4,863
	2011	6,079	..	..	6,079	287	1,309	4,770
	2012	6,238	..	..	6,238	287	1,240	4,998
Central African Rep.	2009	160	..	..	160	38	*5	*148
	2010	*160	..	..	*160	*37	*11	*149
	2011	*174	..	..	*174	*39	*18	*156
	2012	*177	..	..	*177	*39	*18	*159
Chad	2009	183	..	..	183	16	16	*167
	2010	200	..	..	200	17	18	*182
	2011	*218	..	..	*218	*18	*18	*200
	2012	205	..	..	205	16	19	*186
Comoros	2009	*43	..	..	*43	*65	*2	*41
	2010	*43	..	..	*43	*63	*2	*41
	2011	*43	..	..	*43	*61	*2	*41
	2012	*43	..	..	*43	*60	*2	*41

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
Congo	2009	539	440	..	979	245	474	481
	2010	785	281	..	1,066	259	554	500
	2011	1,293	27	..	1,320	312	740	606
	2012	1,342	55	..	1,397	322	768	629
Côte d'Ivoire	2009	5,871	..	484	5,387	290	1,659	3,728
	2010	5,965	145	491	5,619	296	1,502	4,117
	2011	6,099	22	615	5,506	284	1,670	3,836
	2012	7,016	54	645	6,425	324	1,717	4,708
Dem. Rep. of the Congo	2009	7,835	105	887	7,053	117	399	6,654
	2010	7,888	161	916	7,133	115	870	6,263
	2011	7,882	44	171	7,755	121	1,037	6,718
	2012	7,966	0	0	7,966	121	850	7,116
Djibouti	2009	349	..	..	349	425	82	*267
	2010	*379	..	..	*379	*454	90	*289
	2011	*387	..	..	*387	*457	97	*290
	2012	393	..	..	393	457	*96	*297
Egypt	2009	142,690	183	1,118	141,755	1,846	20,097	120,180
	2010	150,486	152	1,595	149,043	1,909	19,862	126,934
	2011	161,162	102	1,679	159,585	2,010	21,568	135,838
	2012	164,628	77	474	164,231	2,035	23,710	140,257
Equatorial Guinea	2009	*100	..	..	*100	*148	*16	*79
	2010	*100	..	..	*100	*144	*16	*79
	2011	*97	..	..	*97	*135	*14	*83
	2012	*97	..	..	*97	*132	*14	*83
Eritrea	2009	295	..	..	295	53	52	242
	2010	311	..	..	311	54	54	256
	2011	337	..	..	337	57	64	273
	2012	359	..	..	359	59	71	288
Ethiopia	2009	3,992	..	..	3,992	47	739	3,253
	2010	4,980	..	..	4,980	57	1,143	3,837
	2011	6,307	..	332	5,975	67	1,605	4,370
	2012	6,700	..	400	6,300	69	1,656	4,644
Gabon	2009	1,865	..	..	1,865	1,228	463	1,402
	2010	1,979	..	..	1,979	1,272	490	1,489
	2011	2,070	..	..	2,070	1,299	512	1,558
	2012	2,197	..	..	2,197	1,346	543	1,654
Gambia	2009	242	..	..	242	149	23	233
	2010	*245	..	..	*245	*146	*23	*236
	2011	*256	..	..	*256	*147	*24	*246
	2012	*266	..	..	*266	*149	*25	*256
Ghana	2009	8,964	198	752	8,410	355	2,113	6,224
	2010	10,167	106	1,036	9,237	381	2,366	6,860
	2011	11,366	81	691	10,756	433	1,569	9,186
	2012	12,204	128	667	11,665	460	1,510	9,258
Guinea	2009	996	..	..	996	94	*359	*637
	2010	952	..	..	952	88	335	*617
	2011	*878	..	..	*878	*79	307	*570
	2012	*878	..	..	*878	*77	*307	*570
Guinea-Bissau	2009	*31	..	..	*31	*20	0	*31
	2010	*32	..	..	*32	*20	0	*32
	2011	*33	..	..	*33	*20	0	*33
	2012	*34	..	..	*34	*21	0	*34

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
Kenya	2009	6,450	39	26	6,463	162	1,095	5,767
	2010	6,867	31	31	6,867	168	1,207	5,729
	2011	7,849	37	42	7,844	187	1,344	6,500
	2012	8,290	42	31	8,301	192	1,541	6,760
Lesotho	2009	532	124	2	654	329	14	569
	2010	567	201	6	762	379	*14	615
	2011	549	220	46	723	356	*14	651
	2012	461	*240	14	687	335	*14	*618
Liberia	2009	*250	..	..	*250	*65	*35	*215
	2010	*250	..	..	*250	*63	*35	*215
	2011	*300	..	..	*300	*74	*44	*256
	2012	*300	..	..	*300	*72	*44	*256
Libya	2009	31,045	95	118	31,022	5,201	5,009	26,013
	2010	32,753	70	152	32,671	5,409	5,314	27,357
	2011	27,614	59	128	27,545	4,513	5,533	22,012
	2012	33,980	61	14	34,027	5,529	5,530	28,497
Madagascar	2009	1,274	..	..	1,274	62	58	*961
	2010	1,360	..	..	1,360	65	*60	1,014
	2011	1,438	..	..	1,438	66	*62	1,053
	2012	1,520	..	..	1,520	68	*64	1,100
Malawi	2009	1,944	..	16	1,928	132	*275	1,652
	2010	2,024	..	21	2,003	133	*288	1,716
	2011	1,979	..	20	1,959	127	*281	1,678
	2012	*1,666	..	18	*1,648	*104	*239	1,409
Mali	2009	1,575	..	348	1,228	91	*123	1,104
	2010	1,691	..	368	1,323	95	*132	1,191
	2011	*1,702	..	*368	*1,334	*93	*133	*1,201
	2012	*1,718	..	*368	*1,350	*91	*135	*1,215
Mauritania	2009	658	109	..	766	218	140	623
	2010	727	115	..	842	233	159	669
	2011	744	*115	..	859	232	152	698
	2012	824	*115	..	939	247	159	770
Mauritius	2009	2,577	..	..	2,577	2,100	509	2,060
	2010	2,690	..	..	2,690	2,185	515	2,165
	2011	2,731	..	..	2,731	2,211	502	2,218
	2012	2,797	..	..	2,797	2,256	501	2,284
Morocco	2009	20,935	4,623	..	25,558	817	3,174	22,384
	2010	22,853	3,939	..	26,792	847	3,087	23,705
	2011	24,364	4,607	..	28,971	904	3,301	25,670
	2012	26,495	4,841	..	31,336	964	3,777	*27,559
Mozambique	2009	16,963	8,340	12,700	12,603	539	2,586	9,569
	2010	16,666	8,533	12,075	13,124	548	2,601	9,831
	2011	16,830	8,570	11,954	13,446	547	2,605	10,141
	2012	15,166	8,304	9,791	13,679	543	2,453	10,939
Namibia	2009	1,742	2,202	144	3,800	1,773	266	3,534
	2010	1,488	2,462	207	3,743	1,718	367	3,376
	2011	1,607	2,389	79	3,917	1,766	*450	*3,467
	2012	1,538	2,226	88	3,676	1,627	*450	*3,635
Niger	2009	254	481	2	732	48	152	597
	2010	291	653	2	941	59	156	687
	2011	295	616	3	908	55	*166	694
	2012	421	573	4	990	58	*194	*796

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
Nigeria	2009	19,777	..	..	19,777	127	1,866	17,911
	2010	26,121	..	..	26,121	164	5,461	20,660
	2011	27,034	..	..	27,034	165	3,587	23,447
	2012	28,706	..	..	28,706	170	3,547	25,159
Réunion	2009	2,618	..	..	2,618	3,139	230	2,388
	2010	2,700	..	..	2,700	3,196	233	2,467
	2011	2,750	..	..	2,750	3,216	243	2,498
	2012	2,812	..	..	2,812	3,250	284	2,540
Rwanda	2009	248	62	3	308	29	*62	246
	2010	281	80	3	358	33	*72	287
	2011	346	78	5	418	38	*92	326
	2012	393	91	3	481	42	*101	380
Sao Tome and Principe	2009	*52	..	..	*52	*300	*15	*38
	2010	57	..	..	57	321	15	42
	2011	*60	..	..	*60	*328	*16	*44
	2012	*67	..	..	*67	*356	*16	*51
Senegal	2009	2,489	*200	..	2,689	214	*622	2,361
	2010	2,618	253	..	2,871	222	327	2,056
	2011	2,560	257	..	2,817	211	299	2,031
	2012	2,917	290	..	3,207	234	343	2,313
Seychelles	2009	276	..	..	276	3,042	*23	239
	2010	301	..	..	301	3,301	*22	260
	2011	324	..	..	324	3,528	*22	280
	2012	336	..	..	336	3,644	*23	314
Sierra Leone	2009	*132	..	..	*132	*23	64	68
	2010	*171	..	..	*171	*30	85	85
	2011	176	..	..	176	30	90	86
	2012	179	..	..	179	30	79	100
Somalia	2009	327	..	..	327	35	*32	292
	2010	327	..	..	327	34	*32	295
	2011	330	..	..	330	33	*35	295
	2012	333	..	..	333	33	*38	295
South Africa	2009	249,557	12,295	14,052	247,800	4,869	53,115	194,685
	2010	259,601	12,193	14,668	257,126	4,997	54,689	202,828
	2011	262,538	11,890	14,964	259,464	4,995	52,599	204,541
	2012	257,919	10,006	15,035	252,890	4,827	53,029	197,092
St. Helena and Depend.	2009	9	..	..	9	2,066	1	8
	2010	9	..	..	9	2,142	*1	8
	2011	10	..	..	10	2,288	*2	8
	2012	10	..	..	10	2,307	*2	*8
Sudan	2009	6,491	..	..	6,491	146	1,444	5,047
	2010	7,499	..	..	7,499	164	1,473	6,026
	2011	8,455	..	..	8,455	181	1,765	6,690
	2012	9,436	..	..	9,436	196	1,826	7,610
Swaziland	2009	*518	923	..	1,441	1,228	204	1,238
	2010	560	909	..	1,469	1,231	182	1,288
	2011	654	806	..	1,460	1,204	177	1,283
	2012	*622	813	..	1,435	1,166	189	1,246
Togo	2009	152	725	..	877	143	103	781
	2010	179	706	..	885	140	92	802
	2011	128	853	..	981	152	101	881
	2012	111	959	..	1,070	161	101	969

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
Tunisia	2009	15,428	192	152	15,468	1,472	2,674	12,784
	2010	16,369	141	122	16,388	1,541	2,826	13,551
	2011	16,497	131	161	16,467	1,531	3,210	13,239
	2012	18,059	384	426	18,017	1,657	3,628	14,387
Uganda	2009	2,186	25	81	2,130	65	*823	*1,310
	2010	*2,456	*29	*75	*2,410	*71	*800	*1,521
	2011	*2,588	*36	89	*2,535	*72	*777	*1,731
	2012	*2,640	*37	*91	*2,586	*71	*792	*1,766
United Rep. of Tanzania	2009	4,736	65	..	4,801	110	1,686	3,116
	2010	5,187	57	..	5,244	117	1,046	4,092
	2011	5,244	55	..	5,299	114	1,159	3,995
	2012	5,795	61	..	5,856	123	1,061	4,441
Zambia	2009	10,414	10	589	9,835	767	2,550	7,280
	2010	11,308	13	578	10,743	813	2,948	7,789
	2011	11,482	13	587	10,908	800	2,994	7,908
	2012	11,856	13	606	11,263	800	3,091	8,166
Zimbabwe	2009	7,291	2,182	905	8,568	665	1,516	7,052
	2010	8,636	1,718	987	9,367	716	1,999	7,368
	2011	9,142	1,577	976	9,743	729	1,700	8,043
	2012	9,088	1,201	653	9,636	702	1,805	7,831
America, North	2009	5,183,688	71,379	71,619	5,183,448	9,545	732,528	4,453,754
	2010	5,377,593	65,129	65,304	5,377,419	9,801	771,069	4,608,599
	2011	5,411,827	69,343	68,516	5,412,654	9,766	786,091	4,629,114
	2012	5,350,563	73,841	77,409	5,346,994	9,552	780,354	4,570,858
Anguilla	2009	91	..	..	91	6,720	11	*80
	2010	99	..	..	99	7,162	11	*87
	2011	95	..	..	95	6,821	12	*84
	2012	90	..	..	90	6,333	11	*79
Antigua and Barbuda	2009	327	..	..	327	3,794	*92	217
	2010	*326	..	..	*326	*3,737	*91	*221
	2011	*325	..	..	*325	*3,687	*91	*230
	2012	*327	..	..	*327	*3,671	*92	*235
Aruba	2009	924	..	..	924	9,114	150	*774
	2010	940	..	..	940	9,254	151	*790
	2011	931	..	..	931	9,129	159	*772
	2012	915	..	..	915	8,932	148	*766
Bahamas	2009	1,769	..	..	1,769	4,990	64	1,688
	2010	1,823	..	..	1,823	5,057	66	1,795
	2011	1,766	..	..	1,766	4,821	*66	1,821
	2012	2,037	..	..	2,037	5,476	*66	1,710
Barbados	2009	1,068	..	..	1,068	3,829	117	951
	2010	1,028	..	..	1,028	3,665	70	958
	2011	1,049	..	..	1,049	3,722	109	940
	2012	1,129	..	..	1,129	3,985	81	1,048
Belize	2009	257	216	..	473	1,571	55	417
	2010	415	160	..	575	1,863	65	509
	2011	384	171	..	555	1,755	70	485
	2012	*399	208	..	*607	*1,873	*69	*538
Bermuda	2009	*746	..	..	*746	*11,510	*95	657
	2010	742	..	..	742	11,430	99	651
	2011	*726	..	..	*726	*11,153	*96	636
	2012	*692	..	..	*692	*10,611	*87	606

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
British Virgin Islands	2009	*125	..	..	*125	*4,710	*20	*105
	2010	*128	..	..	*128	*4,702	*21	*107
	2011	131	..	..	131	4,724	*21	*110
	2012	*130	..	..	*130	*4,628	*21	*109
Canada	2009	612,203	18,163	51,782	578,584	17,142	75,165	503,419
	2010	602,824	18,686	44,389	577,121	16,911	71,170	505,951
	2011	639,347	14,962	51,517	602,792	17,479	86,086	516,706
	2012	634,449	10,887	57,865	587,471	16,863	85,550	501,921
Cayman Islands	2009	626	..	..	626	11,534	49	576
	2010	624	..	..	624	11,241	53	571
	2011	626	..	..	626	11,060	53	573
	2012	607	..	..	607	10,544	39	567
Costa Rica	2009	9,311	151	134	9,328	2,027	1,054	8,313
	2010	9,583	165	136	9,612	2,058	1,071	8,565
	2011	9,831	283	320	9,795	2,067	1,151	8,673
	2012	10,174	419	402	10,191	2,121	1,192	9,019
Cuba	2009	17,727	..	..	17,727	1,570	3,635	16,817
	2010	17,387	..	..	17,387	1,541	3,691	17,109
	2011	17,759	..	..	17,759	1,575	3,734	17,760
	2012	18,432	..	..	18,432	1,635	3,901	18,432
Dominica	2009	93	..	..	93	1,307	13	80
	2010	99	..	..	99	1,392	12	87
	2011	100	..	..	100	1,406	12	89
	2012	102	..	..	102	1,417	12	90
Dominican Republic	2009	14,381	..	..	14,381	1,455	2,106	12,275
	2010	15,332	..	..	15,332	1,531	2,224	13,108
	2011	15,894	..	..	15,894	1,566	2,367	13,527
	2012	16,893	..	..	16,893	1,644	2,514	14,379
El Salvador	2009	5,793	208	79	5,922	958	986	4,933
	2010	5,985	174	89	6,070	976	1,040	5,024
	2011	5,837	251	118	5,970	954	979	5,169
	2012	5,972	163	78	6,057	962	1,012	4,765
Greenland	2009	406	..	..	406	7,184	47	306
	2010	401	..	..	401	7,093	*49	300
	2011	*412	..	..	*412	*7,281	*50	320
	2012	*405	..	..	*405	*7,132	*48	314
Grenada	2009	203	..	..	203	1,946	26	177
	2010	209	..	..	209	1,994	24	185
	2011	204	..	..	204	1,941	23	181
	2012	200	..	..	200	1,893	21	179
Guadeloupe	2009	*1,709	..	..	*1,709	*3,749	*161	*1,548
	2010	*1,809	..	..	*1,809	*3,945	*159	*1,650
	2011	*1,767	..	..	*1,767	*3,832	*155	*1,612
	2012	*1,805	..	..	*1,805	*3,894	*159	*1,646
Guatemala	2009	9,047	37	94	8,990	643	1,519	7,464
	2010	8,893	362	139	9,116	636	1,568	7,549
	2011	9,181	526	183	9,524	648	1,852	7,647
	2012	9,412	372	346	9,438	626	1,697	7,741
Haiti	2009	721	..	..	721	74	386	336
	2010	587	..	..	587	59	358	228
	2011	943	..	..	943	94	655	235
	2012	1,150	..	..	1,150	113	666	484

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
Honduras	2009	6,625	1	46	6,580	881	1,503	5,037
	2010	6,777	22	13	6,786	890	1,659	5,100
	2011	7,183	171	127	7,227	929	1,952	5,234
	2012	7,593	154	79	7,668	966	2,284	5,308
Jamaica	2009	4,208	..	..	4,208	1,541	1,141	3,067
	2010	4,217	..	..	4,217	1,538	918	3,301
	2011	4,171	..	..	4,171	1,514	997	3,176
	2012	4,156	..	..	4,156	1,501	1,076	3,081
Martinique	2009	*1,732	..	..	*1,732	*4,330	*87	*1,550
	2010	*1,808	..	..	*1,808	*4,512	*86	*1,582
	2011	*1,764	..	..	*1,764	*4,392	*82	*1,547
	2012	*1,780	..	..	*1,780	*4,422	*85	*1,558
Mexico	2009	261,045	346	1,249	260,142	2,234	60,802	201,124
	2010	271,050	397	1,349	270,098	2,291	62,628	207,947
	2011	295,837	596	1,164	295,269	2,474	69,611	225,921
	2012	293,862	2,342	6,582	289,622	2,397	62,519	229,807
Montserrat	2009	*23	..	..	*23	*4,677	*4	*19
	2010	*23	..	..	*23	*4,644	*4	*19
	2011	*23	..	..	*23	*4,600	*4	*19
	2012	*23	..	..	*23	*4,558	*4	*19
Netherlands Antilles	2009	1,298	..	..	1,298	6,428	330	968
	2010	1,323	..	..	1,323	6,370	336	987
	2011	1,325	..	..	1,325	6,216	336	989
	2012	1,333	..	..	1,333	6,105	338	995
Nicaragua	2009	3,453	2	2	3,453	601	937	2,520
	2010	3,659	10	43	3,626	623	975	2,641
	2011	3,824	10	41	3,793	642	980	2,821
	2012	4,031	20	3	4,048	676	994	2,944
Panama	2009	6,909	64	95	6,878	1,902	915	6,018
	2010	7,419	71	39	7,451	2,026	1,087	6,388
	2011	7,857	72	8	7,921	2,118	1,088	6,695
	2012	8,606	19	59	8,566	2,253	1,185	7,176
Puerto Rico	2009	22,949	..	..	22,949	6,171	*2,670	18,704
	2010	23,247	..	..	23,247	6,267	*2,778	18,984
	2011	22,257	..	..	22,257	6,013	*2,650	18,251
	2012	22,306	..	..	22,306	6,038	*2,686	18,324
St. Kitts-Nevis	2009	*184	..	..	*184	*3,557	*11	*173
	2010	190	..	..	190	3,629	*11	*179
	2011	*196	..	..	*196	*3,700	*12	*184
	2012	204	..	..	204	3,807	*12	*192
St. Lucia	2009	363	..	..	363	2,072	48	315
	2010	381	..	..	381	2,147	50	331
	2011	385	..	..	385	2,149	52	333
	2012	385	..	..	385	2,127	51	333
St. Pierre-Miquelon	2009	45	..	..	45	7,413	3	42
	2010	45	..	..	45	7,500	3	42
	2011	45	..	..	45	7,486	2	44
	2012	43	..	..	43	7,196	3	41
St. Vincent-Grenadines	2009	*140	..	..	*140	*1,281	*16	*124
	2010	*142	..	..	*142	*1,296	*16	*126
	2011	*142	..	..	*142	*1,298	*16	*126
	2012	*144	..	..	*144	*1,317	*16	*128

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
Trinidad and Tobago	2009	7,843	..	..	7,843	5,930	578	7,295
	2010	8,485	..	..	8,485	6,389	574	7,911
	2011	8,772	..	..	8,772	6,580	562	8,211
	2012	9,132	..	..	9,132	6,828	571	8,560
Turks and Caicos Islands	2009	*208	..	..	*208	*6,863	*17	*191
	2010	*214	..	..	*214	*6,889	*17	*196
	2011	*214	..	..	*214	*6,745	*18	*196
	2012	*227	..	..	*227	*7,000	*19	*208
United States	2009	4,188,214	52,191	18,138	4,222,267	13,643	577,566	3,644,701
	2010	4,378,422	45,083	19,107	4,404,398	14,105	617,779	3,786,619
	2011	4,349,571	52,301	15,038	4,386,834	13,930	609,833	3,777,001
	2012	4,290,547	59,257	11,995	4,337,809	13,662	610,977	3,726,832
United States Virgin Is.	2009	*921	..	..	*921	*8,643	*148	772
	2010	958	..	..	958	9,001	155	803
	2011	951	..	..	951	8,937	155	796
	2012	872	..	..	872	8,193	148	724
America, South	2009	950,651	53,563	50,701	953,514	2,446	187,253	764,290
	2010	1,010,920	48,433	47,966	1,011,387	2,567	196,451	809,983
	2011	1,047,762	52,126	51,501	1,048,386	2,632	196,322	846,473
	2012	1,089,810	50,310	49,558	1,090,561	2,709	209,478	875,744
Argentina	2009	122,348	8,600	2,445	128,503	3,211	22,115	106,381
	2010	125,594	10,299	1,701	134,192	3,324	21,444	112,757
	2011	129,892	10,929	1,262	139,559	3,427	23,566	115,990
	2012	135,207	8,116	506	142,817	3,476	23,799	119,850
Bolivia (Plur. State of)	2009	6,121	..	..	6,121	613	828	5,768
	2010	6,947	..	..	6,947	684	914	6,166
	2011	7,219	..	..	7,219	699	944	6,385
	2012	7,661	..	..	7,661	730	1,038	6,672
Brazil	2009	466,158	40,746	1,080	505,824	2,614	97,944	407,881
	2010	515,798	35,906	1,257	550,447	2,820	112,584	437,863
	2011	531,759	38,430	2,544	567,645	2,882	110,896	456,748
	2012	552,498	40,722	467	592,753	2,984	120,705	472,048
Chile	2009	60,722	1,348	..	62,070	3,653	8,896	54,034
	2010	60,434	958	..	61,392	3,580	7,619	54,738
	2011	65,713	732	..	66,445	3,839	7,771	57,932
	2012	69,751	0	..	69,751	3,994	8,112	62,219
Colombia	2009	57,265	21	1,077	56,209	1,227	9,488	46,299
	2010	60,111	10	798	59,323	1,277	10,266	47,022
	2011	59,653	8	1,543	58,118	1,234	9,145	49,874
	2012	60,805	7	715	60,097	1,260	8,783	50,865
Ecuador	2009	18,588	1,120	21	19,687	1,334	3,867	15,448
	2010	19,551	873	10	20,414	1,361	3,550	16,832
	2011	20,562	1,295	14	21,843	1,433	3,649	18,185
	2012	22,847	238	12	23,073	1,489	3,691	19,393
Falkland Is. (Malvinas)	2009	*18	..	..	*18	*5,838	0	*18
	2010	*18	..	..	*18	*5,817	0	*18
	2011	*18	..	..	*18	*5,814	0	*18
	2012	*18	..	..	*18	*5,814	0	*18
French Guiana	2009	*794	..	..	*794	*3,521	*95	*699
	2010	*823	..	..	*823	*3,560	*98	*725
	2011	*836	..	..	*836	*3,527	*100	*736
	2012	853	..	..	853	3,509	*100	753

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
Guyana	2009	723	..	..	723	926	241	483
	2010	868	..	..	868	1,104	378	477
	2011	910	..	..	910	1,151	393	502
	2012	942	..	..	942	1,185	370	526
Paraguay	2009	54,950	0	45,123	9,827	1,548	3,375	6,451
	2010	54,066	0	43,378	10,688	1,655	3,818	6,870
	2011	57,625	0	46,120	11,505	1,750	3,935	7,571
	2012	60,235	0	47,663	12,572	1,880	4,350	8,222
Peru	2009	32,929	0	63	32,866	1,136	3,185	29,681
	2010	35,890	0	112	35,778	1,223	4,197	34,297
	2011	39,223	6	0	39,229	1,325	2,609	36,619
	2012	39,909	5	2	39,912	1,331	3,944	35,969
Suriname	2009	1,618	..	..	1,618	3,110	171	1,463
	2010	*1,724	..	..	*1,724	*3,283	176	1,547
	2011	*1,951	..	..	*1,951	*3,683	209	1,742
	2012	*1,972	..	..	*1,972	*3,690	211	1,761
Uruguay	2009	8,838	1,468	259	10,047	2,990	1,296	8,817
	2010	10,727	387	710	10,404	3,085	1,493	8,985
	2011	10,342	477	19	10,800	3,192	1,554	9,301
	2012	10,596	742	194	11,144	3,282	1,634	9,575
Venezuela(Bolivar. Rep.)	2009	119,580	260	633	119,207	4,171	35,752	80,868
	2010	118,370	0	0	118,370	4,076	29,914	81,686
	2011	122,059	249	0	122,308	4,146	31,552	84,871
	2012	126,516	480	0	126,996	4,240	32,741	87,873
Asia	2009	8,414,670	68,321	66,385	8,416,606	2,042	1,462,269	6,966,774
	2010	9,260,635	76,317	67,157	9,269,795	2,225	1,523,367	7,686,144
	2011	9,814,022	92,555	72,831	9,833,746	2,336	1,671,592	8,187,673
	2012	10,278,844	92,818	71,121	10,300,541	2,421	1,706,438	8,574,606
Afghanistan	2009	889	957	..	1,846	67	*253	*1,600
	2010	892	1,867	..	2,759	97	*431	2,400
	2011	1,005	2,732	..	3,737	128	690	2,300
	2012	1,022	3,071	..	4,093	137	610	3,265
Armenia	2009	5,672	295	325	5,642	1,901	1,138	4,487
	2010	6,491	246	1,077	5,660	1,910	1,009	4,667
	2011	7,433	205	1,533	6,104	2,059	1,231	5,151
	2012	8,036	98	1,696	6,438	2,168	1,318	5,120
Azerbaijan	2009	18,868	110	380	18,598	2,070	6,237	12,259
	2010	18,710	100	462	18,348	2,017	5,989	12,235
	2011	20,294	128	805	19,617	2,132	6,220	13,267
	2012	22,988	141	680	22,449	2,412	6,974	15,394
Bahrain	2009	22,555	168	0	22,723	19,070	2,213	20,510
	2010	23,441	192	19	23,614	18,868	1,807	22,193
	2011	23,767	227	107	23,887	18,477	2,008	22,769
	2012	24,770	35	190	24,615	18,678	1,534	23,315
Bangladesh	2009	37,225	..	..	37,225	249	6,306	30,919
	2010	41,813	..	..	41,813	277	6,665	35,147
	2011	44,163	..	..	44,163	289	7,009	36,822
	2012	49,039	..	..	49,039	317	8,541	43,239
Bhutan	2009	6,998	20	5,352	1,665	2,364	167	1,498
	2010	7,329	20	5,268	2,081	2,902	193	1,573
	2011	7,068	20	5,268	1,820	2,495	106	1,638
	2012	6,827	37	4,890	1,973	2,660	120	1,770

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
Brunei Darussalam	2009	3,612	..	..	3,612	9,158	741	2,871
	2010	3,792	..	..	3,792	9,467	878	2,914
	2011	3,725	..	..	3,725	9,163	661	3,064
	2012	3,930	..	..	3,930	9,533	723	3,208
Cambodia	2009	1,256	725	..	1,981	140	204	1,778
	2010	994	1,357	..	2,351	164	315	2,038
	2011	1,053	1,644	..	2,697	185	327	2,370
	2012	1,434	1,891	..	3,325	224	304	3,021
China	2009	3,714,650	6,006	17,386	3,703,270	2,741	664,975	3,038,240
	2010	4,207,160	5,545	19,059	4,193,646	3,084	743,529	3,449,920
	2011	4,713,019	6,562	19,307	4,700,274	3,435	840,277	3,859,811
	2012	4,987,553	6,874	17,653	4,976,774	3,614	854,638	4,121,626
China, Hong Kong SAR	2009	38,728	11,590	3,731	46,587	6,649	5,096	41,491
	2010	38,292	11,046	2,609	46,729	6,629	4,866	41,862
	2011	39,026	11,339	2,957	47,408	6,681	5,344	42,065
	2012	38,752	11,808	1,838	48,722	6,816	5,691	43,031
China, Macao SAR	2009	1,466	2,227	..	3,693	7,080	233	3,460
	2010	1,077	2,786	..	3,863	7,226	211	3,653
	2011	837	3,165	..	4,002	7,326	193	3,856
	2012	489	3,855	..	4,344	7,802	197	4,204
Cyprus	2009	5,215	..	..	5,215	4,782	462	4,751
	2010	5,322	..	..	5,322	4,822	449	4,882
	2011	4,929	..	..	4,929	4,415	399	4,721
	2012	4,717	..	..	4,717	4,178	319	4,409
Georgia	2009	8,165	255	749	7,671	1,743	2,149	5,858
	2010	9,992	222	1,524	8,690	1,980	1,557	7,288
	2011	10,747	471	931	10,287	2,352	1,653	8,088
	2012	10,137	615	510	10,242	2,350	1,604	8,168
India	2009	899,389	5,359	519	904,229	760	230,027	682,144
	2010	954,539	5,610	584	959,565	796	198,443	694,392
	2011	973,006	8,441	0	981,447	804	242,431	772,603
	2012	1,035,264	5,152	0	1,040,416	841	242,544	785,130
Indonesia	2009	157,516	..	..	157,516	663	20,434	138,159
	2010	186,594	..	..	186,594	775	22,226	162,591
	2011	182,384	..	..	182,384	748	23,554	159,867
	2012	*197,328	2,990	..	*200,318	*811	24,785	173,990
Iran (Islamic Rep. of)	2009	221,370	2,068	6,152	217,286	2,955	45,083	172,201
	2010	232,955	3,015	6,707	229,263	3,079	43,234	186,058
	2011	240,030	3,656	8,668	235,018	3,116	45,606	189,458
	2012	254,253	3,897	11,029	247,121	3,234	47,720	199,402
Iraq	2009	46,065	5,604	..	51,669	1,713	20,879	35,973
	2010	48,909	6,722	..	55,631	1,797	*20,836	40,038
	2011	54,240	7,262	..	61,502	1,932	18,854	42,648
	2012	61,704	8,201	..	69,905	2,133	21,596	48,309
Israel	2009	55,008	..	3,783	51,225	7,042	6,228	45,443
	2010	58,591	..	3,966	54,625	7,361	6,875	48,719
	2011	59,679	..	4,222	55,457	7,353	7,158	48,956
	2012	63,038	..	4,434	58,604	7,667	7,321	51,804
Japan	2009	1,050,326	..	..	1,050,326	8,247	113,276	935,975
	2010	1,117,123	..	..	1,117,123	8,772	116,249	999,728
	2011	1,051,261	..	..	1,051,261	8,257	110,828	939,408
	2012	1,034,305	..	..	1,034,305	8,128	110,584	922,699

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
Jordan	2009	14,272	383	139	14,516	2,348	2,659	12,148
	2010	14,777	670	58	15,389	2,384	2,615	12,837
	2011	14,647	1,738	86	16,299	2,421	2,867	13,496
	2012	16,596	784	104	17,276	2,465	3,109	14,245
Kazakhstan	2009	78,710	1,710	2,378	78,042	4,957	27,770	51,885
	2010	82,646	2,105	1,560	83,190	5,225	27,023	57,394
	2011	86,586	3,406	1,809	88,183	5,478	23,188	64,752
	2012	91,207	4,252	2,933	92,526	5,686	24,831	69,193
Korea, Dem.Ppl's.Rep.	2009	21,129	..	..	21,129	867	5,344	15,785
	2010	21,665	..	..	21,665	884	5,480	16,185
	2011	19,227	..	..	19,227	781	4,864	14,363
	2012	19,236	..	..	19,236	777	4,866	14,370
Korea, Republic of	2009	454,504	..	..	454,504	9,436	49,000	405,699
	2010	499,508	..	..	499,508	10,309	49,941	449,345
	2011	523,286	..	..	523,286	10,738	52,168	470,613
	2012	534,618	..	..	534,618	10,910	53,516	481,405
Kuwait	2009	53,216	..	..	53,216	18,672	18,822	34,394
	2010	57,029	..	..	57,029	19,063	19,805	37,224
	2011	57,457	..	..	57,457	18,388	20,075	37,382
	2012	62,655	..	..	62,655	19,276	22,921	39,734
Kyrgyzstan	2009	11,083	52	1,251	9,884	1,877	3,023	6,852
	2010	12,100	116	1,828	10,388	1,947	3,196	7,078
	2011	15,158	174	2,848	12,484	2,310	3,676	8,712
	2012	15,168	177	1,840	13,505	2,467	3,666	9,591
Lao People's Dem. Rep.	2009	3,874	819	1,939	2,754	439	*198	1,901
	2010	3,755	999	2,020	2,734	427	*167	2,228
	2011	3,802	748	*2,020	2,530	388	*211	2,399
	2012	*3,802	*748	*2,020	*2,530	*381	*211	*2,399
Lebanon	2009	13,771	1,155	..	14,926	3,515	1,789	13,137
	2010	15,712	1,245	..	16,957	3,906	1,869	15,088
	2011	16,365	840	..	17,205	3,842	1,868	15,337
	2012	14,826	323	..	15,149	3,260	1,372	13,776
Malaysia	2009	107,116	0	92	107,024	3,851	5,906	96,360
	2010	116,808	0	148	116,660	4,126	10,092	110,853
	2011	124,893	370	10	125,253	4,355	12,779	107,341
	2012	134,373	100	15	134,458	4,598	11,543	116,353
Maldives	2009	298	..	..	298	933	*29	*270
	2010	256	..	..	256	785	*24	*232
	2011	274	..	..	274	824	*24	*250
	2012	297	..	..	297	878	*26	*271
Mongolia	2009	4,039	157	18	4,178	1,563	1,143	3,034
	2010	4,313	263	22	4,554	1,679	1,177	3,375
	2011	4,536	276	24	4,788	1,739	1,335	3,454
	2012	4,816	366	21	5,161	1,845	1,387	3,773
Myanmar	2009	6,964	..	..	6,964	135	1,971	4,936
	2010	8,625	..	..	8,625	166	2,313	6,246
	2011	*10,424	..	..	*10,424	*199	*2,547	*7,877
	2012	*10,965	..	..	*10,965	*208	*2,525	*8,440
Nepal	2009	3,115	639	75	3,679	139	1,110	2,567
	2010	3,208	694	31	3,871	144	1,131	2,740
	2011	3,492	746	4	4,234	156	1,134	3,099
	2012	3,552	793	4	4,341	158	1,099	3,240

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
Oman	2009	17,823	..	..	17,823	6,692	5,003	14,482
	2010	19,819	..	..	19,819	7,071	4,193	16,128
	2011	21,354	..	..	21,354	7,060	3,362	18,512
	2012	25,017	..	..	25,017	7,549	4,062	20,956
Other Asia	2009	229,694	..	..	229,694	9,952	28,592	201,639
	2010	246,996	..	..	246,996	10,671	28,883	218,341
	2011	252,016	..	..	252,016	10,858	29,390	223,002
	2012	250,336	..	..	250,336	10,757	28,032	222,657
Pakistan	2009	95,358	249	..	95,607	562	21,260	74,347
	2010	94,383	269	..	94,652	547	17,554	77,099
	2011	95,090	274	..	95,364	541	18,604	76,761
	2012	*96,126	*375	..	*96,501	*539	*19,713	*76,788
Philippines	2009	61,968	..	..	61,968	674	11,067	50,868
	2010	67,777	..	..	67,777	725	12,477	55,266
	2011	69,210	..	..	69,210	728	13,078	56,098
	2012	72,956	..	..	72,956	754	13,711	59,211
Qatar	2009	24,158	..	..	24,158	15,445	3,027	21,131
	2010	28,144	..	..	28,144	16,085	3,526	24,618
	2011	30,730	..	..	30,730	16,081	2,971	27,759
	2012	34,787	..	..	34,787	16,965	4,604	30,184
Saudi Arabia	2009	217,082	..	..	217,082	8,101	33,201	183,881
	2010	240,067	..	..	240,067	8,807	36,528	202,819
	2011	250,077	..	..	250,077	9,008	38,905	210,393
	2012	271,680	..	..	271,680	9,604	40,373	230,521
Singapore	2009	41,800	..	0	41,800	8,420	2,415	39,136
	2010	45,366	..	0	45,366	8,932	2,572	42,285
	2011	45,994	..	0	45,994	8,858	2,467	43,036
	2012	46,915	..	0	46,915	8,846	2,288	44,281
Sri Lanka	2009	9,987	..	..	9,987	485	1,598	8,389
	2010	10,801	..	..	10,801	520	1,592	9,209
	2011	11,600	..	..	11,600	554	1,611	9,990
	2012	11,897	..	..	11,897	564	1,488	10,409
State of Palestine	2009	501	3,983	..	4,484	1,145	897	3,516
	2010	473	4,159	..	4,632	1,154	695	3,280
	2011	569	4,622	..	5,191	1,262	1,292	3,506
	2012	461	4,909	..	5,370	1,273	537	4,846
Syrian Arab Republic	2009	43,308	542	614	43,236	2,056	16,051	27,185
	2010	46,413	690	1,043	46,060	2,139	12,406	33,654
	2011	42,025	902	1,192	41,735	1,914	11,263	30,472
	2012	31,188	0	0	31,188	1,425	8,574	22,614
Tajikistan	2009	16,166	4,304	4,247	16,223	2,178	2,920	13,536
	2010	16,436	339	180	16,595	2,176	2,966	14,257
	2011	16,234	66	191	16,109	2,061	2,870	13,848
	2012	16,998	*66	*191	16,873	2,107	*2,943	13,874
Thailand	2009	148,390	2,439	1,560	149,269	2,252	14,344	134,925
	2010	159,518	7,287	1,615	165,190	2,488	16,243	148,947
	2011	151,595	10,774	*1,235	161,134	2,420	*14,772	*146,362
	2012	166,471	10,527	*1,873	175,125	2,622	*15,897	*159,228
Timor-Leste	2009	132	..	..	132	124	0	132
	2010	137	..	..	137	127	0	137
	2011	140	..	..	140	128	0	140
	2012	126	..	..	126	113	0	126

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
Turkey	2009	194,812	812	1,546	194,078	2,724	39,150	154,928
	2010	211,208	1,144	1,918	210,434	2,917	40,420	170,014
	2011	229,393	4,556	3,645	230,304	3,152	46,311	183,993
	2012	239,496	5,827	2,954	242,369	3,275	49,473	192,896
Turkmenistan	2009	15,983	..	2,100	13,883	2,788	4,930	8,953
	2010	16,663	..	2,410	14,253	2,827	5,062	9,191
	2011	17,220	..	2,550	14,670	2,873	5,208	9,462
	2012	17,750	..	2,720	15,030	2,906	5,321	9,695
United Arab Emirates	2009	90,573	0	0	90,573	11,735	12,189	78,384
	2010	97,728	0	0	97,728	11,577	13,306	84,422
	2011	99,137	49	36	99,150	11,109	13,601	85,549
	2012	100,927	16	34	100,909	10,962	14,214	86,695
Uzbekistan	2009	49,950	11,592	11,676	49,866	1,820	8,663	41,203
	2010	51,700	11,998	12,085	51,613	1,859	8,964	42,649
	2011	52,400	12,160	12,249	52,311	1,858	9,083	43,228
	2012	52,500	12,183	12,272	52,411	1,836	9,099	43,312
Viet Nam	2009	83,175	4,102	373	86,904	985	9,992	76,913
	2010	94,835	5,612	964	99,483	1,117	*12,665	85,669
	2011	105,219	5,003	1,134	109,088	1,213	13,415	93,523
	2012	118,937	2,707	1,220	120,424	1,326	*15,500	104,255
Yemen	2009	6,746	..	..	6,746	303	2,105	4,641
	2010	7,755	..	..	7,755	341	2,719	5,036
	2011	6,206	..	..	6,206	266	2,104	4,102
	2012	6,579	..	..	6,579	276	2,413	4,166
Europe	2009	4,700,174	364,667	365,679	4,699,161	6,358	918,551	3,780,675
	2010	4,905,756	372,810	373,951	4,904,615	6,625	931,973	3,975,253
	2011	4,851,012	410,226	416,230	4,845,008	6,536	921,894	3,925,908
	2012	4,892,646	434,890	443,773	4,883,763	6,582	937,436	3,943,566
Albania	2009	5,236	1,964	536	6,664	2,115	2,543	*4,115
	2010	7,728	1,005	1,906	6,827	2,167	2,394	*4,420
	2011	3,947	3,475	301	7,121	2,258	2,386	*4,708
	2012	4,288	3,682	336	7,634	2,414	3,456	*4,178
Andorra	2009	*81	*506	..	*587	*7,465	76	524
	2010	113	471	..	584	7,499	78	506
	2011	91	466	..	557	7,159	75	483
	2012	*91	*466	..	*557	*7,114	*75	*483
Austria	2009	69,088	19,542	18,762	69,868	8,346	10,353	59,515
	2010	71,128	19,898	17,567	73,459	8,743	11,215	62,244
	2011	65,811	24,972	16,777	74,006	8,776	11,795	62,211
	2012	72,616	23,264	20,454	75,426	8,911	12,425	63,001
Belarus	2009	30,376	8,404	3,933	34,847	3,658	7,156	27,691
	2010	34,895	7,767	5,067	37,595	3,961	8,213	29,382
	2011	32,192	9,289	3,704	37,777	3,997	7,889	29,888
	2012	30,799	10,398	2,797	38,400	4,083	8,022	30,378
Belgium	2009	91,225	9,486	11,321	89,390	8,229	12,056	77,255
	2010	95,120	12,395	11,844	95,671	8,744	12,360	83,311
	2011	90,235	13,189	10,652	92,772	8,429	12,591	80,115
	2012	83,071	16,848	6,912	93,007	8,409	11,692	81,315
Bosnia and Herzegovina	2009	15,668	2,887	5,877	12,678	3,290	3,215	9,463
	2010	17,124	3,076	6,905	13,295	3,457	2,948	10,347
	2011	15,280	4,171	5,660	13,791	3,592	3,003	10,788
	2012	14,082	4,481	4,525	14,038	3,662	2,941	11,097

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
Bulgaria	2009	42,964	2,662	7,735	37,891	5,089	10,980	26,847
	2010	46,653	1,167	9,613	38,207	5,171	11,020	27,103
	2011	50,797	1,449	12,110	40,136	5,473	11,690	28,421
	2012	47,329	2,353	10,661	39,021	5,362	11,140	27,845
Croatia	2009	12,776	11,892	6,210	18,458	4,243	2,947	15,511
	2010	14,105	12,415	7,650	18,870	4,350	3,008	15,862
	2011	10,831	13,985	6,288	18,528	4,285	2,793	15,735
	2012	10,557	13,174	5,545	18,186	4,222	2,836	15,350
Czech Republic	2009	82,250	8,586	22,230	68,606	6,542	13,693	54,906
	2010	85,910	6,642	21,590	70,962	6,724	13,750	57,204
	2011	87,561	10,457	27,501	70,517	6,646	13,757	56,751
	2012	87,573	11,587	28,707	70,453	6,609	13,791	56,654
Denmark	2009	36,383	11,208	10,874	36,717	6,646	5,250	31,446
	2010	38,862	10,599	11,734	37,727	6,796	5,573	32,369
	2011	35,232	11,694	10,374	36,552	6,556	4,804	31,924
	2012	30,727	15,920	10,706	35,941	6,421	4,607	31,405
Estonia	2009	8,779	3,025	2,943	8,861	6,801	2,211	6,650
	2010	12,964	1,100	4,354	9,710	7,478	2,802	6,908
	2011	12,893	1,690	5,252	9,331	7,208	2,704	6,627
	2012	11,967	2,710	4,950	9,727	7,536	2,749	6,978
Faeroe Islands	2009	276	..	..	276	5,555	*7	269
	2010	280	..	..	280	5,655	*25	255
	2011	274	..	..	274	5,526	*19	255
	2012	292	..	..	292	5,889	*30	261
Finland	2009	72,062	15,460	3,375	84,147	15,746	6,966	77,086
	2010	80,668	15,719	5,218	91,169	16,985	7,521	83,478
	2011	73,481	17,656	3,804	87,333	16,206	7,091	80,076
	2012	70,399	19,089	1,645	87,843	16,242	6,936	80,755
France	2009	535,472	18,517	44,451	509,538	8,098	95,054	417,955
	2010	569,166	19,475	50,188	538,453	8,511	94,405	444,089
	2011	560,343	9,501	65,914	503,930	7,921	89,686	417,566
	2012	564,275	12,213	56,734	519,754	8,124	89,004	434,093
Germany	2009	595,617	41,859	54,132	583,344	7,013	86,084	497,259
	2010	632,983	42,962	57,917	618,028	7,445	85,604	532,424
	2011	613,068	51,003	54,768	609,303	7,350	83,757	525,546
	2012	629,812	46,268	66,810	609,270	7,358	83,437	525,834
Gibraltar	2009	174	..	..	174	5,945	13	161
	2010	177	..	..	177	6,051	14	163
	2011	171	..	..	171	5,844	12	159
	2012	176	..	..	176	6,011	25	151
Greece	2009	61,365	7,600	3,233	65,732	5,923	11,019	54,713
	2010	57,392	8,517	2,811	63,098	5,679	9,978	53,120
	2011	59,436	7,180	3,948	62,668	5,636	10,874	51,794
	2012	60,959	5,954	4,169	62,744	5,640	10,727	52,017
Guernsey	2009	174	210	..	384	6,165	*29	355
	2010	152	239	..	392	6,271	*29	362
	2011	85	309	..	393	6,263	*18	375
	2012	68	313	..	381	6,035	*18	*363
Hungary	2009	35,908	10,972	5,459	41,421	4,129	8,271	33,150
	2010	37,371	9,897	4,702	42,566	4,250	8,359	34,207
	2011	35,983	14,664	8,021	42,626	4,264	8,085	34,540
	2012	34,590	16,970	9,003	42,557	4,266	7,399	32,812

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
Iceland	2009	16,834	..	..	16,834	53,645	987	15,659
	2010	17,059	..	..	17,059	53,638	1,166	15,707
	2011	17,211	..	..	17,211	53,442	1,005	16,010
	2012	17,549	..	..	17,549	53,853	981	16,374
Ireland	2009	28,313	939	175	29,077	6,593	4,031	25,268
	2010	28,602	760	290	29,072	6,507	3,782	25,420
	2011	27,472	732	242	27,962	6,182	3,376	24,871
	2012	27,592	784	370	28,006	6,120	3,713	24,163
Isle of Man	2009	533	19	114	437	5,250	48	389
	2010	498	45	108	435	5,177	48	387
	2011	499	41	115	424	5,013	47	377
	2012	296	180	48	428	5,016	47	381
Italy	2009	292,641	47,070	2,111	337,600	5,603	47,584	290,016
	2010	302,064	45,987	1,827	346,224	5,719	46,910	299,313
	2011	302,584	47,519	1,787	348,316	5,733	46,493	301,828
	2012	299,277	45,407	2,304	342,380	5,621	45,644	296,742
Jersey	2009	64	661	..	725	7,532	74	655
	2010	56	669	..	725	7,470	77	649
	2011	46	700	..	746	7,641	67	677
	2012	*47	*714	..	*761	*7,752	*67	*692
Latvia	2009	5,569	4,259	2,605	7,223	3,419	1,119	6,103
	2010	6,627	3,973	3,100	7,500	3,588	1,283	6,215
	2011	6,095	4,009	2,764	7,340	3,540	1,147	6,191
	2012	6,168	4,935	3,244	7,859	3,814	1,008	6,848
Liechtenstein	2009	71	307	..	378	10,532	0	*378
	2010	79	318	..	397	10,980	0	*397
	2011	72	326	..	398	10,946	0	*398
	2012	86	318	..	404	11,021	0	*404
Lithuania	2009	15,358	4,783	7,715	12,426	4,006	4,049	8,371
	2010	5,749	8,174	2,184	11,739	3,826	3,403	8,332
	2011	4,822	8,086	1,347	11,561	3,798	2,977	8,580
	2012	5,043	8,060	1,441	11,662	3,852	2,738	8,921
Luxembourg	2009	3,879	6,022	2,604	7,297	14,649	1,188	6,114
	2010	4,590	7,280	3,216	8,654	17,039	2,066	6,605
	2011	3,718	7,096	2,614	8,200	15,881	1,674	6,529
	2012	3,814	6,732	2,622	7,924	15,130	1,668	6,265
Malta	2009	2,168	..	..	2,168	5,127	461	1,707
	2010	2,115	..	..	2,115	4,980	507	1,606
	2011	2,194	..	..	2,194	5,146	367	1,814
	2012	2,290	..	..	2,290	5,353	415	1,866
Montenegro	2009	2,760	1,151	172	3,739	6,036	798	3,017
	2010	4,022	732	483	4,271	6,888	813	3,211
	2011	2,656	1,383	431	3,608	5,813	804	3,414
	2012	2,844	964	228	3,580	5,764	836	3,220
Netherlands	2009	113,502	15,452	10,561	118,393	7,149	14,443	103,950
	2010	118,140	15,583	12,807	120,916	7,277	14,051	106,865
	2011	112,968	20,620	11,531	122,057	7,324	14,589	107,468
	2012	102,505	32,156	15,046	119,615	7,157	13,139	106,476
Norway	2009	131,773	5,651	14,634	122,790	25,393	14,608	107,287
	2010	123,640	14,673	7,124	131,189	26,821	16,892	113,451
	2011	127,632	11,255	14,329	124,558	25,195	16,505	107,389
	2012	147,845	4,190	22,006	130,029	26,038	20,278	108,824

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
Poland	2009	151,720	7,403	9,594	149,529	3,915	36,812	112,717
	2010	157,657	6,310	7,664	156,303	4,092	37,232	119,071
	2011	163,548	6,780	12,022	158,306	4,144	36,372	121,934
	2012	162,139	9,803	12,643	159,299	4,169	36,653	122,646
Portugal	2009	50,207	7,598	2,822	54,983	5,197	7,128	47,855
	2010	54,090	5,814	3,191	56,713	5,355	6,825	49,888
	2011	52,463	6,742	3,929	55,276	5,216	6,912	48,364
	2012	46,614	10,766	2,871	54,509	5,141	8,268	46,241
Republic of Moldova	2009	1,033	2,941	..	3,974	1,103	793	3,181
	2010	1,064	3,033	..	4,097	1,147	809	3,288
	2011	1,016	3,145	..	4,161	1,174	780	3,380
	2012	932	3,279	..	4,211	1,198	741	3,470
Romania	2009	58,014	651	2,946	55,719	2,543	17,615	37,607
	2010	60,979	767	3,041	58,705	2,685	17,129	41,317
	2011	62,217	3,410	5,316	60,311	2,765	17,622	42,714
	2012	59,045	3,903	3,650	59,298	2,726	17,159	42,386
Russian Federation	2009	991,980	3,066	17,923	977,123	6,800	290,657	686,236
	2010	1,038,030	1,644	19,091	1,020,583	7,106	300,141	726,683
	2011	1,054,765	1,558	24,111	1,032,212	7,196	303,388	728,824
	2012	1,070,734	2,661	19,143	1,054,252	7,364	312,553	740,285
Serbia	2009	38,322	5,184	6,609	36,897	3,803	10,087	26,810
	2010	38,103	5,620	5,917	37,806	3,919	10,237	27,569
	2011	38,600	6,701	6,979	38,322	3,993	10,331	27,991
	2012	36,799	5,781	5,392	37,188	3,893	10,021	27,167
Slovakia	2009	26,155	8,994	7,682	27,467	5,063	4,366	23,098
	2010	27,858	7,334	6,293	28,899	5,319	4,761	24,135
	2011	28,656	11,227	10,500	29,383	5,401	4,568	24,812
	2012	28,664	13,472	13,079	29,057	5,336	5,101	23,937
Slovenia	2009	16,401	7,780	10,839	13,342	6,527	2,050	11,292
	2010	16,433	8,625	10,717	14,341	6,981	2,375	11,966
	2011	16,057	7,036	8,298	14,795	7,175	2,188	12,607
	2012	15,729	7,452	8,363	14,818	7,166	2,269	12,549
Spain	2009	294,620	6,751	14,855	286,516	6,262	46,737	239,778
	2010	301,527	5,206	13,539	293,194	6,349	47,801	244,802
	2011	293,848	7,932	14,023	287,757	6,186	45,138	243,509
	2012	297,559	7,787	18,986	286,360	6,125	46,940	240,248
Sweden	2009	136,729	13,765	9,080	141,414	15,189	16,408	123,386
	2010	148,563	14,931	12,853	150,641	16,056	17,820	131,217
	2011	150,376	12,481	19,714	143,143	15,149	17,183	124,628
	2012	166,562	11,682	31,255	146,989	15,454	17,910	127,286
Switzerland	2009	68,453	31,368	33,525	66,296	8,523	8,802	57,483
	2010	67,815	33,401	32,881	68,335	8,687	8,550	59,772
	2011	64,626	34,824	32,237	67,213	8,453	8,614	58,586
	2012	69,866	31,549	33,749	67,666	8,422	8,694	58,959
T.F.Yug.Rep. Macedonia	2009	6,828	1,438	0	8,266	3,935	1,874	6,392
	2010	7,260	1,420	0	8,680	4,129	1,896	6,784
	2011	6,759	2,749	73	9,435	4,485	2,057	7,378
	2012	6,262	2,741	72	8,931	4,242	1,926	7,005
Ukraine	2009	173,619	25	4,294	169,350	3,660	50,041	119,309
	2010	188,584	23	4,078	184,529	4,007	50,504	134,025
	2011	194,947	35	6,327	188,655	4,119	48,857	139,800
	2012	198,878	93	11,560	187,411	4,116	49,051	137,668

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
United Kingdom	2009	376,755	6,609	3,748	379,616	6,153	57,868	321,747
	2010	381,760	7,144	4,481	384,423	6,194	55,598	328,824
	2011	367,455	8,689	2,467	373,677	5,986	55,804	317,873
	2012	363,837	13,791	1,747	375,881	5,987	58,306	317,573
Oceania	2009	302,179	..	..	302,179	8,380	48,078	253,927
	2010	307,430	..	..	307,430	8,386	49,050	258,044
	2011	307,580	..	..	307,580	8,262	47,551	260,086
	2012	303,688	..	..	303,688	8,040	45,550	257,929
American Samoa	2009	178	..	..	178	3,170	21	158
	2010	159	..	..	159	2,860	17	142
	2011	155	..	..	155	2,804	19	136
	2012	157	..	..	157	2,841	22	134
Australia	2009	248,753	..	..	248,753	11,288	42,263	206,490
	2010	252,155	..	..	252,155	11,255	43,056	209,099
	2011	252,623	..	..	252,623	11,109	41,688	210,935
	2012	248,941	..	..	248,941	10,800	39,610	209,331
Cook Islands	2009	33	..	..	33	1,623	0	33
	2010	34	..	..	34	1,661	0	34
	2011	34	..	..	34	1,646	0	34
	2012	33	..	..	33	1,603	0	33
Fiji	2009	809	..	..	809	949	*91	775
	2010	869	..	..	869	1,010	*91	844
	2011	835	..	..	835	962	*90	*844
	2012	837	..	..	837	957	*90	*844
French Polynesia	2009	*736	..	..	*736	*2,771	*73	*670
	2010	*818	..	..	*818	*3,051	*81	*694
	2011	*761	..	..	*761	*2,810	*76	*685
	2012	*766	..	..	*766	*2,796	*76	*689
Guam	2009	1,868	..	..	1,868	11,776	*243	1,625
	2010	*1,882	..	..	*1,882	*11,806	*245	1,638
	2011	*1,858	..	..	*1,858	*11,551	*240	1,618
	2012	*1,799	..	..	*1,799	*11,050	*236	1,564
Kiribati	2009	*22	..	..	*22	*229	*1	*21
	2010	*24	..	..	*24	*247	*1	*23
	2011	*24	..	..	*24	*243	*1	*23
	2012	*24	..	..	*24	*239	*1	*23
Marshall Islands	2009	*111	..	..	*111	*2,124	0	*111
	2010	*114	..	..	*114	*2,169	0	*114
	2011	*114	..	..	*114	*2,166	0	*114
	2012	*114	..	..	*114	*2,164	0	*114
Micronesia(Fed. States of)	2009	70	..	..	70	678	14	*56
	2010	70	..	..	70	678	14	*56
	2011	66	..	..	66	637	13	*53
	2012	*67	..	..	*67	*651	*13	*54
Nauru	2009	21	..	..	21	2,112	*2	*19
	2010	23	..	..	23	2,244	*2	*20
	2011	23	..	..	23	2,294	*2	21
	2012	24	..	..	24	2,352	*2	*21
New Caledonia	2009	1,939	..	..	1,939	7,982	41	1,820
	2010	2,131	..	..	2,131	8,648	*44	2,085
	2011	2,256	..	..	2,256	9,033	*47	2,195
	2012	2,264	..	..	2,264	8,944	*47	*2,195

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per Capita	EIOU+losses	TFC
New Zealand	2009	43,453	..	..	43,453	10,052	4,869	38,038
	2010	44,876	..	..	44,876	10,273	5,041	39,109
	2011	44,465	..	..	44,465	10,074	4,917	39,139
	2012	44,295	..	..	44,295	9,932	4,995	38,641
Niue	2009	*3	..	..	*3	*1,985	0	*3
	2010	*3	..	..	*3	*2,044	0	*3
	2011	*3	..	..	*3	*2,104	0	*3
	2012	*3	..	..	*3	*2,168	0	*3
Northern Mariana Islands	2009	*397	..	..	*397	*7,182	*89	*308
	2010	*400	..	..	*400	*7,427	*90	*310
	2011	*400	..	..	*400	*7,515	*90	*310
	2012	*400	..	..	*400	*7,504	*90	*310
Palau	2009	*101	..	..	*101	*4,955	*25	76
	2010	*98	..	..	*98	*4,807	*25	73
	2011	*96	..	..	*96	*4,635	*25	71
	2012	*96	..	..	*96	*4,602	*25	*71
Papua New Guinea	2009	3,341	..	..	3,341	498	301	3,440
	2010	3,425	..	..	3,425	499	296	3,529
	2011	3,525	..	..	3,525	503	298	3,628
	2012	*3,525	..	..	*3,525	*492	*298	*3,628
Samoa	2009	113	..	..	113	611	*14	91
	2010	116	..	..	116	625	*16	91
	2011	114	..	..	114	608	*16	89
	2012	117	..	..	117	620	*16	*93
Solomon Islands	2009	84	..	..	84	163	*12	71
	2010	87	..	..	87	166	*12	56
	2011	83	..	..	83	154	*12	61
	2012	83	..	..	83	152	*12	55
Tonga	2009	55	..	..	55	528	10	45
	2010	52	..	..	52	498	9	43
	2011	53	..	..	53	508	9	45
	2012	52	..	..	52	499	8	45
Tuvalu	2009	*5	..	..	*5	*464	0	*5
	2010	*5	..	..	*5	*468	0	*5
	2011	*5	..	..	*5	*472	0	*5
	2012	*5	..	..	*5	*477	0	*5
Vanuatu	2009	69	..	..	69	297	5	57
	2010	69	..	..	69	292	6	61
	2011	*68	..	..	*68	*280	5	63
	2012	67	..	..	67	272	5	61
Wallis and Futuna Is.	2009	20	..	..	20	1,467	4	*17
	2010	20	..	..	20	1,461	3	*16
	2011	20	..	..	20	1,468	4	*16
	2012	19	..	..	19	1,422	3	*16

Table 34

Production of heat – by type

Terajoules

Table Notes

Production of heat by type.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification.

Direct use geothermal represents heat used directly for district heating, agriculture etc. without a commercial transaction taking place.

Direct use solar thermal represents heat used for the production of domestic hot water or for the seasonal heating of swimming pools (e.g. flat plate collectors, mainly of the thermosyphon type) without a commercial transaction taking place.

Figure 84: Heat production by region, 1990-2012

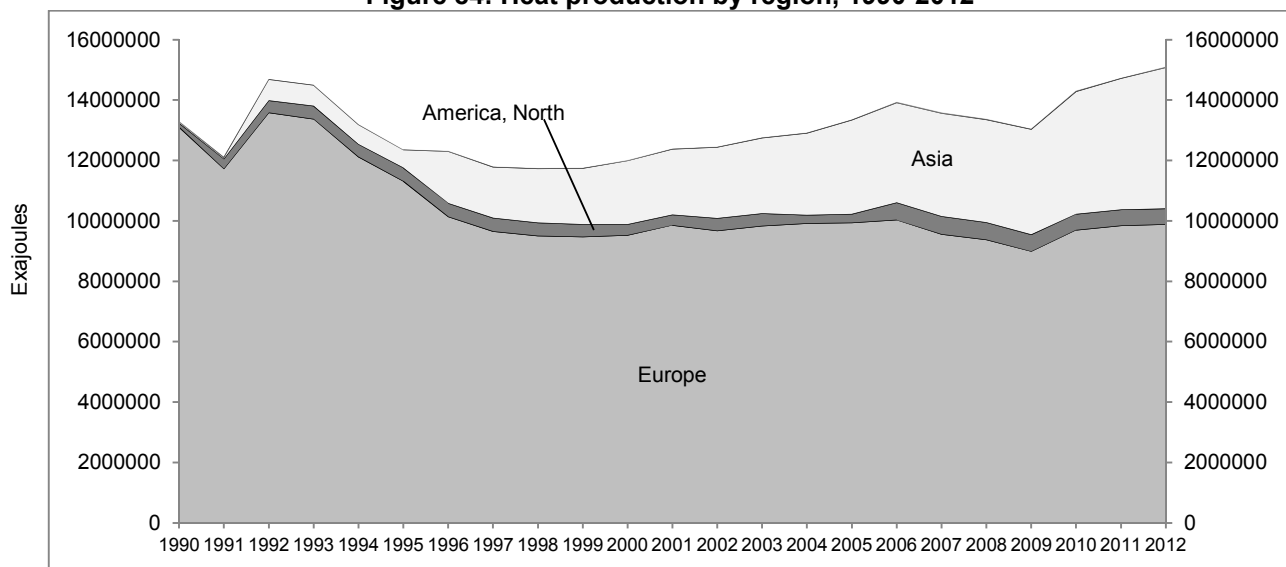


Figure 85: Major heat producing countries, 2012

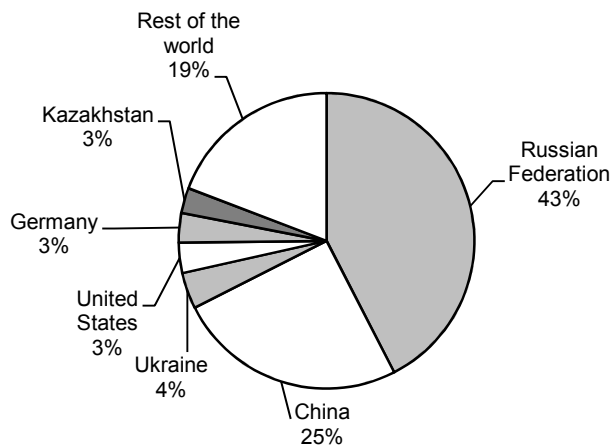


Figure 86: World heat production, by type, in 2012

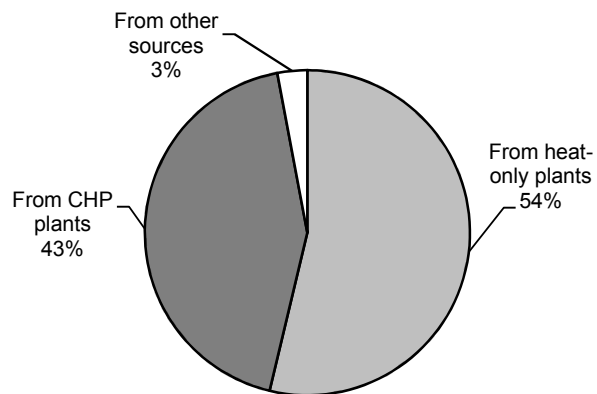


Table 34

Production of heat - by type

Terajoules

Country or area	Year	Combustible fuels	Geo-thermal	Solar thermal	Nuclear	Chemical sources	Heat pumps and electric boilers	Other sources	Direct use geothermal	Direct use solar
World	2009	12,633,142	11,753	5,471	28,114	21,722	29,575	312,229	131,511	219,049
	2010	13,847,946	12,249	5,711	27,357	30,632	30,950	343,315	135,687	231,520
	2011	14,282,902	12,073	6,207	27,734	28,969	28,074	343,181	139,331	249,425
	2012	14,636,960	15,546	6,147	27,848	30,030	32,596	348,086	143,217	263,438
Africa	2009	12,145	..	609	..	513	..	..	..	3,426
	2010	12,677	..	664	..	5,543	..	..	..	3,911
	2011	12,421	..	716	..	2,975	..	..	..	4,322
	2012	12,923	..	749	..	3,371	..	..	..	4,752
Botswana	2009	..	..	..	..	..	..	..	..	6
	2010	..	..	..	..	..	..	..	..	6
	2011	..	..	..	..	..	..	..	..	6
	2012	..	..	..	..	..	..	..	..	*6
Réunion	2009	1,729	..	609	..	..	..	..	..	..
	2010	2,031	..	664	..	..	..	..	..	..
	2011	1,721	..	716	..	..	..	..	..	..
	2012	2,023	..	749	..	..	..	..	..	..
Senegal	2009	..	..	..	..	513	..	..	..	..
	2010	..	..	..	..	917	..	..	..	..
	2011	..	..	..	..	1,124	..	..	..	..
	2012	..	..	..	..	1,298	..	..	..	..
South Africa	2009	..	..	..	..	..	..	..	..	2,496
	2010	..	..	..	..	..	..	..	..	2,768
	2011	..	..	..	..	..	..	..	..	3,005
	2012	..	..	..	..	..	..	..	..	3,253
Swaziland	2009	*10,416	..	..	..	..	..	..	..	..
	2010	*10,646	..	..	..	..	..	..	..	..
	2011	*10,700	..	..	..	..	..	..	..	..
	2012	*10,900	..	..	..	..	..	..	..	..
Tunisia	2009	..	..	..	..	..	..	..	..	924
	2010	..	..	..	..	4,626	..	..	..	1,137
	2011	..	..	..	..	1,851	..	..	..	1,311
	2012	..	..	..	..	2,073	..	..	..	1,493
America, North	2009	560,456	..	..	..	..	..	..	9,179	64,318
	2010	530,463	..	..	..	..	..	..	9,285	63,062
	2011	533,000	..	..	..	..	..	..	9,285	66,193
	2012	525,329	..	..	..	..	..	..	9,285	68,439
Canada	2009	39,110	..	..	..	..	..	..	..	..
	2010	21,451	..	..	..	..	..	..	..	..
	2011	23,502	..	..	..	..	..	..	..	..
	2012	23,593	..	..	..	..	..	..	..	..
Greenland	2009	822	..	..	..	..	..	..	..	..
	2010	725	..	..	..	..	..	..	..	..
	2011	861	..	..	..	..	..	..	..	..
	2012	937	..	..	..	..	..	..	..	..
Mexico	2009	..	..	..	..	..	..	..	..	6,753
	2010	..	..	..	..	..	..	..	..	4,910
	2011	..	..	..	..	..	..	..	..	5,862
	2012	..	..	..	..	..	..	..	..	6,423
United States	2009	520,524	..	..	..	..	..	..	9,179	57,565
	2010	508,287	..	..	..	..	..	..	9,285	58,152
	2011	508,637	..	..	..	..	..	..	9,285	60,331
	2012	500,799	..	..	..	..	..	..	9,285	62,016

Table 34

Production of heat - by type

Terajoules

Country or area	Year	Combustible fuels	Geo-thermal	Solar thermal	Nuclear	Chemical sources	Heat pumps and electric boilers	Other sources	Direct use geothermal	Direct use solar
America, South	2009	..	..	..	..	..	..	..	102	301
	2010	..	..	..	..	..	..	..	102	239
	2011	..	..	..	..	..	..	..	102	263
	2012	..	..	..	..	..	..	..	102	1,058
Chile	2009	..	..	..	..	..	..	..	..	..
	2010	..	..	..	..	..	..	..	..	..
	2011	..	..	..	..	..	..	..	..	..
	2012	..	..	..	..	..	..	..	..	772
Ecuador	2009	..	..	..	..	..	..	..	102	..
	2010	..	..	..	..	..	..	..	102	..
	2011	..	..	..	..	..	..	..	102	..
	2012	..	..	..	..	..	..	..	102	..
Peru	2009	..	..	..	..	..	..	..	..	301
	2010	..	..	..	..	..	..	..	..	239
	2011	..	..	..	..	..	..	..	..	263
	2012	..	..	..	..	..	..	..	..	286
Asia	2009	3,462,355	..	4,697	..	2,961	3,903	5,825	61,993	88,649
	2010	4,032,712	..	4,826	..	3,827	4,126	5,537	67,099	91,041
	2011	4,326,236	..	5,183	..	3,767	3,662	4,608	70,833	97,064
	2012	4,655,597	..	4,943	..	3,420	3,790	4,335	71,416	101,791
Armenia	2009	981	..	..	..	..	..	..	..	..
	2010	494	..	..	..	..	..	..	..	..
	2011	186	..	..	..	..	..	..	..	..
	2012	90	..	..	..	..	..	..	..	..
Azerbaijan	2009	4,640	..	..	..	..	..	..	..	..
	2010	3,789	..	..	..	..	..	..	..	..
	2011	4,536	..	..	..	..	..	..	..	..
	2012	5,004	..	..	..	..	..	..	..	..
China	2009	2,667,480	..	..	..	..	..	..	..	..
	2010	3,218,883	..	..	..	..	..	..	..	..
	2011	3,491,768	..	..	..	..	..	..	..	..
	2012	3,787,310	..	..	..	..	..	..	..	..
Cyprus	2009	4	..	..	..	..	..	..	15	2,425
	2010	5	..	..	..	..	..	..	32	2,545
	2011	31	..	..	..	..	..	..	44	2,625
	2012	31	..	..	..	..	..	..	62	2,700
Georgia	2009	1,794	..	..	..	..	..	..	..	..
	2010	1,920	..	..	..	..	..	..	..	..
	2011	36	..	..	..	..	..	..	..	..
	2012	36	..	..	..	..	..	..	..	..
Israel	2009	..	..	..	..	..	..	..	..	43,524
	2010	..	..	..	..	..	..	..	..	46,980
	2011	..	..	..	..	..	..	..	..	46,070
	2012	..	..	..	..	..	..	..	..	46,070
Japan	2009	14,290	..	..	..	..	3,903	5,825	8,744	18,553
	2010	15,799	..	..	..	..	4,126	5,537	7,409	17,174
	2011	14,568	..	..	..	..	3,662	4,608	7,535	15,782
	2012	15,230	..	..	..	..	3,790	4,335	7,367	14,538
Kazakhstan	2009	390,984	..	..	..	..	..	..	..	..
	2010	402,385	..	..	..	..	..	..	..	..
	2011	405,407	..	..	..	..	..	..	..	..
	2012	418,081	..	..	..	..	..	..	..	..

Table 34

Production of heat - by type

Terajoules

Country or area	Year	Combustible fuels	Geo-thermal	Solar thermal	Nuclear	Chemical sources	Heat pumps and electric boilers	Other sources	Direct use geothermal	Direct use solar
Korea, Republic of	2009	187,606	..	..	..	2,961	..	..	926	1,284
	2010	187,928	..	..	..	3,827	..	..	1,401	1,225
	2011	199,727	..	..	..	3,767	..	..	2,002	1,148
	2012	216,088	..	..	..	3,420	..	..	2,733	1,099
Kyrgyzstan	2009	12,476	..	..	..	..	..	..	..	..
	2010	12,302	..	..	..	..	..	..	..	..
	2011	13,389	..	..	..	..	..	..	..	..
	2012	13,534	..	..	..	..	..	..	..	..
Lebanon	2009	..	..	..	..	..	..	..	..	555
	2010	..	..	..	..	..	..	..	..	630
	2011	..	..	..	..	..	..	..	..	704
	2012	..	..	..	..	..	..	..	..	839
Mongolia	2009	34,836	..	..	..	..	..	..	..	..
	2010	35,013	..	..	..	..	..	..	..	..
	2011	36,354	..	..	..	..	..	..	..	..
	2012	39,029	..	..	..	..	..	..	..	..
Other Asia	2009	..	..	..	..	..	..	..	..	4,357
	2010	..	..	..	..	..	..	..	..	4,400
	2011	..	..	..	..	..	..	..	..	4,358
	2012	..	..	..	..	..	..	..	..	4,390
State of Palestine	2009	..	..	4,697	..	..	..	..	..	..
	2010	..	..	4,826	..	..	..	..	..	..
	2011	..	..	5,183	..	..	..	..	..	..
	2012	..	..	4,943	..	..	..	..	..	..
Tajikistan	2009	384	..	..	..	..	..	..	..	..
	2010	392	..	..	..	..	..	..	..	..
	2011	387	..	..	..	..	..	..	..	..
	2012	405	..	..	..	..	..	..	..	..
Turkey	2009	44,383	..	..	..	..	..	..	52,308	17,951
	2010	51,330	..	..	..	..	..	..	58,257	18,087
	2011	50,917	..	..	..	..	..	..	61,252	26,377
	2012	51,317	..	..	..	..	..	..	61,254	32,155
Turkmenistan	2009	7,713	..	..	..	..	..	..	..	..
	2010	8,041	..	..	..	..	..	..	..	..
	2011	8,311	..	..	..	..	..	..	..	..
	2012	8,567	..	..	..	..	..	..	..	..
Uzbekistan	2009	94,784	..	..	..	..	..	..	..	..
	2010	94,431	..	..	..	..	..	..	..	..
	2011	100,619	..	..	..	..	..	..	..	..
	2012	100,875	..	..	..	..	..	..	..	..
Europe	2009	8,598,185	11,753	165	28,114	16,880	25,672	306,404	50,401	53,771
	2010	9,272,094	12,249	221	27,357	19,794	26,824	337,778	49,720	62,785
	2011	9,411,246	12,073	308	27,734	21,039	24,412	338,573	50,384	70,230
	2012	9,443,111	15,546	455	27,848	22,161	28,806	343,751	52,451	75,662
Albania	2009	234	..	..	..	..	..	..	..	..
	2010	234	..	..	..	..	..	..	..	..
	2011	243	..	..	..	..	..	..	..	..
	2012	197	..	..	..	..	..	..	..	..
Austria	2009	68,600	535	31	..	145	..	..	281	5,196
	2010	84,178	538	43	..	155	..	..	321	6,647
	2011	80,032	524	51	..	99	..	..	278	6,990
	2012	82,306	561	57	..	99	..	..	294	7,239

Production of heat - by type

Terajoules

Country or area	Year	Combustible fuels	Geo-thermal	Solar thermal	Nuclear	Chemical sources	Heat pumps and electric boilers	Other sources	Direct use geothermal	Direct use solar
Belarus	2009	260,839	..	..	..	..	..	..	..	..
	2010	278,221	..	..	..	..	..	..	..	..
	2011	260,446	..	..	..	..	..	..	..	..
	2012	269,754	..	..	..	..	..	..	..	..
Belgium	2009	31,008	85	..	..	889	..	..	..	464
	2010	35,483	90	..	..	2,731	..	..	..	507
	2011	35,098	55	..	..	2,930	..	..	52	601
	2012	32,881	60	..	..	4,835	..	..	57	641
Bosnia and Herzegovina	2009	5,554	..	..	..	..	..	..	..	..
	2010	6,001	..	..	..	..	..	..	..	..
	2011	6,355	..	..	..	..	..	..	..	..
	2012	6,075	..	..	..	..	..	..	..	..
Bulgaria	2009	57,404	..	..	967	1,742	..	..	1,368	..
	2010	56,124	..	..	943	2,283	..	..	1,368	428
	2011	54,518	..	..	922	2,992	..	..	1,380	579
	2012	54,649	..	..	940	2,235	..	..	1,400	645
Croatia	2009	11,598	..	..	..	..	..	..	132	200
	2010	12,503	..	..	..	..	..	..	285	218
	2011	12,065	..	..	..	..	..	..	287	254
	2012	11,625	..	..	..	..	..	..	291	298
Czech Republic	2009	119,336	..	..	985	939	95	215	..	266
	2010	127,714	..	..	1,067	1,127	112	320	..	366
	2011	120,734	..	..	919	1,209	102	332	..	455
	2012	121,365	..	..	981	1,341	105	348	..	561
Denmark	2009	128,635	241	105	..	..	77	2,540	..	486
	2010	149,182	106	143	..	..	148	2,479	..	514
	2011	129,832	83	217	..	..	258	2,693	..	572
	2012	133,029	144	345	..	..	687	2,646	..	908
Estonia	2009	24,726	..	..	..	..	..	..	..	..
	2010	25,548	..	..	..	..	..	..	..	..
	2011	22,887	..	..	..	..	..	..	..	..
	2012	24,473	..	..	..	..	..	..	..	..
Finland	2009	182,456	..	..	..	3,414	774	696	..	35
	2010	205,385	..	..	..	3,324	1,409	712	..	39
	2011	182,936	..	..	..	2,925	1,400	1,204	..	43
	2012	190,482	..	..	..	3,698	1,190	814	..	50
France	2009	124,679	0	..	..	..	..	..	3,460	2,110
	2010	147,570	0	..	..	..	..	..	3,806	2,393
	2011	133,751	0	..	..	..	..	..	3,487	2,986
	2012	123,666	3,151	..	..	..	..	..	1,398	3,195
Germany	2009	466,155	229	..	..	..	..	3,099	1,919	19,008
	2010	508,337	225	..	..	..	..	6,606	2,164	20,268
	2011	460,483	51	..	..	..	..	6,703	2,477	23,184
	2012	474,421	85	11	..	..	..	10,519	2,682	24,109
Greece	2009	2,050	..	..	..	..	..	..	856	7,632
	2010	1,941	..	..	..	..	..	..	916	7,676
	2011	2,256	..	..	..	..	..	..	970	7,656
	2012	1,889	..	..	..	..	..	..	909	7,720
Hungary	2009	52,433	209	2	509	..	..	..	3,810	188
	2010	52,286	233	5	502	..	..	..	3,885	220
	2011	48,471	271	5	508	..	..	..	4,080	242
	2012	48,617	395	5	528	..	..	..	4,071	242

Table 34

Production of heat - by type

Terajoules

Country or area	Year	Combustible fuels	Geo-thermal	Solar thermal	Nuclear	Chemical sources	Heat pumps and electric boilers	Other sources	Direct use geothermal	Direct use solar
Iceland	2009	48	10,200	..	..	..	645	..	17,432	..
	2010	39	10,200	..	..	..	646	..	16,597	..
	2011	0	10,300	..	..	..	674	..	17,232	..
	2012	0	10,300	..	..	..	675	..	19,302	..
Ireland	2009	..	..	..	..	..	..	..	..	184
	2010	..	..	..	..	..	..	..	..	275
	2011	..	..	..	..	..	..	..	..	338
	2012	..	..	..	..	..	..	..	..	428
Italy	2009	180,820	..	..	..	..	..	..	8,916	3,556
	2010	204,752	589	..	..	..	..	..	5,243	5,616
	2011	218,519	589	1	..	..	..	..	5,243	5,877
	2012	206,335	650	1	..	..	..	..	4,950	6,503
Latvia	2009	26,304	..	..	..	..	4	0	..	..
	2010	28,650	..	..	..	..	5	7	..	..
	2011	24,985	..	..	..	..	8	7	..	..
	2012	26,840	..	..	..	..	10	7	..	..
Liechtenstein	2009	..	..	26	..	..	..	..	..	..
	2010	..	..	29	..	..	..	..	..	..
	2011	..	..	32	..	..	..	..	..	..
	2012	..	..	34	..	..	..	..	..	..
Lithuania	2009	36,279	107	..	1,945	8,982	19	..	..	..
	2010	39,932	95	..	0	8,766	13	..	..	..
	2011	35,583	67	..	0	10,225	12	..	..	..
	2012	36,489	79	..	0	9,877	10	..	..	..
Luxembourg	2009	2,555	..	..	..	..	..	..	..	29
	2010	3,109	..	..	..	..	..	..	..	40
	2011	3,150	..	..	..	..	..	..	..	58
	2012	3,076	..	..	..	..	..	..	..	70
Malta	2009	0	..	..	..	..	..	..	..	39
	2010	0	..	..	..	..	..	..	..	38
	2011	18	..	..	..	..	..	..	..	30
	2012	39	..	..	..	..	..	..	..	47
Netherlands	2009	141,220	..	..	..	..	..	..	142	932
	2010	146,986	..	..	..	..	..	..	318	1,001
	2011	142,233	..	..	..	..	..	..	316	1,041
	2012	132,388	..	..	..	..	..	..	495	1,069
Norway	2009	11,342	..	..	..	769	3,798	48	..	..
	2010	16,412	..	..	..	1,374	4,208	262	..	..
	2011	17,855	..	..	..	615	3,273	239	..	..
	2012	19,163	..	..	..	21	4,298	445	..	..
Poland	2009	312,214	..	..	..	..	..	..	600	283
	2010	343,911	..	..	..	..	..	..	563	350
	2011	318,198	..	..	..	..	..	..	531	434
	2012	327,273	..	..	..	..	..	..	661	544
Portugal	2009	16,055	..	..	..	..	..	..	42	1,460
	2010	21,077	..	..	..	34	..	..	42	2,013
	2011	20,600	..	..	..	44	..	..	65	2,491
	2012	21,419	..	..	..	55	..	..	65	2,820
Republic of Moldova	2009	11,052	..	..	..	..	..	..	..	..
	2010	12,039	..	..	..	..	..	..	..	..
	2011	11,402	..	..	..	..	..	..	..	..
	2012	10,876	..	..	..	..	..	..	..	..

Table 34

Production of heat - by type

Terajoules

Country or area	Year	Combustible fuels	Geo-thermal	Solar thermal	Nuclear	Chemical sources	Heat pumps and electric boilers	Other sources	Direct use geothermal	Direct use solar
Romania	2009	96,661	3	..	..	..	..	..	1,005	1
	2010	99,095	11	..	..	..	..	..	916	4
	2011	98,853	7	..	..	..	..	..	923	2
	2012	89,338	4	..	..	..	..	..	902	4
Russian Federation	2009	5,340,189	..	..	13,730	..	..	299,725	..	..
	2010	5,673,674	..	..	14,633	..	..	327,324	..	..
	2011	6,038,583	..	..	15,482	..	..	327,324	..	..
	2012	6,063,487	..	..	15,109	..	..	328,963	..	..
Serbia	2009	34,429	..	..	..	..	..	..	204	..
	2010	38,187	..	..	..	..	..	..	224	..
	2011	41,440	..	..	..	..	..	..	265	..
	2012	35,203	..	..	..	..	..	..	260	..
Slovakia	2009	39,713	144	1	2,266	..	5	81	68	1
	2010	45,871	139	1	2,499	..	4	68	70	178
	2011	41,351	104	2	2,210	..	9	71	60	211
	2012	40,905	95	2	2,115	..	45	9	55	222
Slovenia	2009	9,093	0	..	..	..	..	..	265	325
	2010	9,758	23	..	..	..	..	..	1,045	348
	2011	9,698	22	..	..	..	..	..	1,160	369
	2012	9,477	22	..	..	..	..	..	1,276	392
Spain	2009	..	..	..	..	..	..	..	572	6,501
	2010	..	..	..	..	..	..	..	670	7,679
	2011	..	..	..	..	..	..	..	703	8,576
	2012	..	..	..	..	..	..	..	737	9,226
Sweden	2009	166,999	..	..	..	..	20,155	..	..	414
	2010	204,092	..	..	..	..	20,138	..	..	432
	2011	159,916	..	..	..	..	18,544	..	..	461
	2012	174,779	..	..	..	..	21,665	..	..	464
Switzerland	2009	15,588	..	..	1,300	..	100	..	8,956	1,236
	2010	17,460	..	..	1,300	..	141	..	10,848	1,451
	2011	15,936	..	..	1,290	..	132	..	10,418	1,655
	2012	16,875	..	..	1,370	..	121	..	12,184	1,853
T.F.Yug.Rep. Macedonia	2009	5,170	..	..	..	..	..	..	340	..
	2010	3,480	..	..	..	..	..	..	406	..
	2011	2,669	..	..	..	..	..	..	424	..
	2012	2,463	..	..	..	..	..	..	429	..
Ukraine	2009	562,286	..	..	6,412	..	..	..	..	..
	2010	615,896	..	..	6,413	..	..	..	..	..
	2011	602,027	..	..	6,403	..	..	..	..	..
	2012	592,624	..	..	6,805	..	..	..	..	..
United Kingdom	2009	54,461	..	..	..	..	..	..	33	3,225
	2010	56,967	..	..	..	..	..	..	33	4,084
	2011	58,123	..	..	..	..	..	..	33	5,125
	2012	58,633	..	..	..	..	..	..	33	6,412
Oceania	2009	..	..	..	..	1,368	..	..	9,836	8,584
	2010	..	..	..	..	1,468	..	..	9,481	10,482
	2011	..	..	..	..	1,188	..	..	8,727	11,353
	2012	..	..	..	..	1,078	..	..	9,963	11,736
Australia	2009	..	..	..	..	..	..	..	..	8,244
	2010	..	..	..	..	..	..	..	..	10,129
	2011	..	..	..	..	..	..	..	..	10,989
	2012	..	..	..	..	..	..	..	..	11,372

Table 34**Production of heat - by type**

Terajoules

Country or area	Year	Combustible fuels	Geothermal	Solar thermal	Nuclear	Chemical sources	Heat pumps and electric boilers	Other sources	Direct use geothermal	Direct use solar
New Zealand	2009	..	..	..	..	1,368	..	..	9,836	340
	2010	..	..	..	..	1,468	..	..	9,481	353
	2011	..	..	..	..	1,188	..	..	8,727	364
	2012	..	..	..	..	1,078	..	..	9,963	364

Production of uranium (uranium content)

Metric tons

Table Notes

Based on country submissions and Table 1.21 of the OECD and IAEA publication *Uranium 2011: Resources, Production and Demand*, OECD Publishing, available at <http://dx.doi.org/10.1787/uranium-2014-en>.

Production for Bulgaria, France, Germany and Hungary comes from mine rehabilitation efforts only.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification.

Table 35**Production of uranium (uranium content)**

Metric tons

Country or area	2009	2010	2011	2012
World	51,513	54,679	54,662	59,245
Africa	8,520	9,964	9,512	11,417
Malawi	90	681	842	1,103
Namibia	4,626	4,503	3,954	5,026
Niger	3,241	4,198	4,160	4,821
South Africa	563	582	556	467
America, North	11,768	11,405	10,727	10,665
Canada	10,174	9,775	9,145	8,998
United States	1,594	1,630	1,582	1,667
America, South	338	174	415	383
Argentina	0	0	0	0
Brazil	338	174	415	383
Asia	18,225	22,479	23,807	25,535
China	1,200	1,350	1,400	1,450
India	290	400	400	385
Iran(Islamic Rep. of)	8	7	12	15
Kazakhstan	14,020	17,803	19,450	21,240
Pakistan	50	45	45	45
Uzbekistan	2,657	2,874	2,500	2,400
Europe	4,728	4,757	4,234	4,236
Bulgaria	1	1	0	0
Czech Republic	258	254	229	228
France	8	9	6	3
Germany	0	8	51	50
Hungary	1	6	2	1
Romania	80	80	80	80
Russian Federation	3,565	3,562	2,993	2,862
Ukraine	815	837	873	1,012
Oceania	7,934	5,900	5,967	7,009
Australia	7,934	5,900	5,967	7,009

Selected energy resources and reserves

Million metric tons unless otherwise indicated

Table Notes

Based on country submissions and the publication *World Energy Resources - 2013 Survey*, World Energy Council (WEC), available at <http://www.worldenergy.org/publications/2013/world-energy-resources-2013-survey/>.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification.

Table 36

Selected energy resources and reserves

Million metric tons unless otherwise indicated

Country or area	Bituminous coal / Anthracite			Sub-bituminous coal / Lignite			Peat	
	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves
Afghanistan	112	66	400	..	..	..	..	..
Albania	..	..	..	794	794	..	..	155
Algeria	64	59	164	..	..	..	..	..
Angola	..	..	..	..	..	..	..	..
Argentina	4	..	..	8,047	500	273	90	*80
Armenia	..	163	..	..	..	..	..	..
Australia	56,200	37,100	125,000	44,300	39,300	215,000	..	..
Austria	1	..	3	333	25	61	..	..
Azerbaijan	..	..	..	..	..	..	..	..
Bahrain	..	..	..	..	..	..	..	..
Bangladesh	1,054	293	..	..	..	..	*138	..
Barbados	..	..	..	..	..	..	..	..
Belarus	..	..	..	..	100	..	323	323
Belgium	715	410	1,400	..	..	..	..	..
Belize	..	..	..	..	..	..	..	..
Benin	..	..	..	..	..	..	..	..
Bhutan	..	..	..	..	..	..	..	..
Bolivia (Plur. State of)	..	1	..	..	..	..	..	..
Bosnia and Herzegovina	..	484	..	..	2,369	..	..	..
Botswana	7,189	40	205,253	..	..	..	..	..
Brazil	..	..	..	6,513	4,559	15,319	..	..
Brunei Darussalam	..	..	..	..	..	..	..	..
Bulgaria	428	2	1,200	5,981	2,364	2,618	5	5
Burkina Faso	..	..	..	..	..	..	..	..
Burundi	..	..	..	..	..	..	56	56
Cambodia	..	..	..	..	..	..	..	..
Cameroon	..	..	..	..	..	..	..	..
Canada	4,651	3,474	26,045	17,371	3,108	31,990	1,092	..
Central African Rep.	..	..	..	4	3	..	..	..
Chad	..	..	..	..	..	..	..	..
Chile	79	31	125	4,579	155	5,000	..	..
China	114,500	62,200	363,200	108,800	52,300	304,700	4,687	328
Colombia	7,064	6,366	13,173	411	380	3,176	..	..
Congo	..	..	..	..	..	..	..	..
Costa Rica	..	..	..	27	..	22	48	..
Côte d'Ivoire	..	..	..	..	..	..	..	..
Croatia	4	4	..	41	33	..	..	..
Cuba	..	..	..	..	..	..	..	..
Cyprus	..	..	..	..	..	..	..	..
Czech Republic	1,524	192	..	2,812	908	..	..	..
Dem. Rep. of the Congo	720	88	..	..	..	..	..	..
Denmark	..	..	..	63	..	..	..	..
Dominica	..	..	..	..	..	..	..	..
Dominican Republic	..	..	..	..	..	..	..	..
Ecuador	..	..	..	30	24	6	..	..
Egypt	25	16	..	27	22	52	..	..
El Salvador	..	..	..	..	..	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..
Estonia	..	..	..	..	..	..	2,000	2,000
Ethiopia	..	..	..	23	11	..	..	..
Faeroe Islands	..	..	..	..	..	..	..	..
Falkland Is. (Malvinas)	..	..	..	..	..	..	..	..
Fiji	..	..	..	..	..	..	..	..
Finland	..	..	..	..	..	..	850	420
France	593	95	200	124	21	165	..	..
French Guiana	..	..	..	..	..	..	..	..
French Polynesia	..	..	..	..	..	..	..	..
Gabon	..	..	..	..	..	..	..	..
Georgia	..	201	..	..	..	..	..	..
Germany	319	99	8,065	40,600	40,600	34,100	157	96

Peat	Proved recoverable reserves				Uranium (metric tons)		Hydropower (Gross theoretical capability) (GWh/Year)	
	Estimated additional amount in place	Natural gas (billions cubic metres)	Crude oil and NGL	Oil shale	Bituminous sands	Reasonably assured resources		Inferred Resources
..	50	..	..	..	..	..	..	394,000
..	5	30	..	..	5	..	..	40,000
..	4,504	3,170	..	..	..	19,500	..	12,000
..	161	1,296	..	..	74	..	..	150,000
50	399	355	..	57	..	8,600	11,000	354,000
..	164	..	..	44	..	..	..	22,000
..	819	450	4,531	..	..	1,180,100	558,700	265,000
..	16	7	1	..	..	..	..	150,000
..	1,359	955	..	..	20	..	..	44,000
..	91	*160	..	..	..	..	..	..
*138	344	3	..	..	..	..	..	4,000
..	0	1	..	..	..	..	..	..
1,479	3	*27	1,000	..	..	..	..	8,000
..	0	..	..	..	..	..	..	1,000
..	..	1	..	..	..	..	..	1,000
..	1	*1	..	..	..	..	..	2,000
..	..	..	..	..	..	..	..	263,000
..	710	*54	..	..	..	..	..	178,000
..	..	..	..	..	..	..	..	70,000
..	..	..	..	..	..	23,100	59,100	..
487	245	2,053	11,734	..	..	155,700	121,000	3,040,000
..	350	150	..	..	..	..	..	..
..	1	160	18	..	..	..	..	27,000
..	..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	..	6,000
..	..	..	..	..	..	..	..	88,000
..	150	168	..	..	..	..	..	294,000
336,908	1,754	678	2,192	27,134	..	421,900	192,500	2,067,000
..	..	..	..	..	..	12,000	..	7,000
..	..	205	..	..	..	..	..	150
..	46	4	3	..	..	700	1,200	227,000
952	3,090	2,789	47,600	..	120	109,500	56,600	6,083,000
..	124	260	..	..	5	..	..	1,000,000
..	91	218	..	..	81	..	..	50,000
22	..	..	..	..	..	..	..	224,000
..	42	14	..	..	..	..	..	46,000
..	36	10	..	..	..	..	..	20,000
280	71	*19	..	..	8	..	..	3,000
..	..	..	..	..	..	..	..	59,000
..	4	2	..	..	..	300	100	13,000
..	1	25	14,310	..	5	1,400	1,300	1,397,000
..	66	111	..	..	..	..	..	120
..	..	..	..	..	..	..	..	200
..	..	..	..	..	..	..	..	50,000
..	9	982	..	..	7	..	..	169,000
..	2,170	600	816	..	8	..	1,900	125,000
..	..	..	..	..	..	..	..	7,000
..	120	150	..	..	..	..	..	..
..	..	..	2,494	..	..	..	..	2,000
..	25	0	..	..	..	..	..	650,000
..	..	..	..	..	..	..	..	1,000
28	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	3,000
2,200	..	..	..	..	..	1,100	..	31,000
..	7	*14	1,002	..	..	11,500	100	270,000
..	..	..	..	..	..	..	..	2,000
..	..	..	..	..	..	..	..	1,000
..	29	505	..	..	..	4,800	1,000	200,000
..	8	5	..	..	0	..	..	136,000
200	126	21	286	..	..	3,000	4,000	120,000

Table 36

Selected energy resources and reserves

Million metric tons unless otherwise indicated

Country or area	Bituminous coal / Anthracite			Sub-bituminous coal / Lignite			Peat	
	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves
Ghana	..	..	..	..	..	..	..	..
Greece	..	..	..	5,312	3,020	..	4,000	..
Greenland	..	..	..	183	183	200	..	..
Grenada	..	..	..	..	..	..	..	..
Guatemala	..	..	..	..	..	..	..	..
Guinea	..	..	..	..	..	..	..	..
Guinea-Bissau	..	..	..	..	..	..	..	..
Guyana	..	..	..	..	..	..	..	..
Haiti	..	..	..	13	..	27	..	..
Honduras	..	..	..	21	..	..	..	..
Hungary	14	13	298	2,188	1,647	2,630	..	..
Iceland	..	..	..	..	..	..	..	..
India	105,820	56,100	157,435	4,500	4,500	32,893	..	..
Indonesia	4,479	1,520	6,035	17,772	4,009	38,704	49,000	..
Iran(Islamic Rep. of)	11,143	1,203	..	2,295	..	..	..	..
Iraq	..	..	..	..	..	..	..	..
Ireland	19	14	26	..	9	..	154	106
Israel	..	..	..	..	..	..	500	386
Italy	..	..	..	10	10	600	..	..
Jamaica	..	..	..	..	..	..	200	32
Japan	4,603	340	6,298	160	10	7,122	..	..
Jordan	..	..	..	..	..	..	..	..
Kazakhstan	..	21,500	..	..	12,100	..	..	..
Kenya	..	..	..	..	..	..	..	..
Korea, Dem.Ppl's.Rep.	2,000	300	2,700	300	300	2,200	..	..
Korea, Republic of	138	133	272	209	126	812	..	..
Kuwait	..	..	..	..	..	..	..	..
Kyrgyzstan	..	..	..	..	812	..	..	..
Lao People's Dem. Rep.	..	4	..	..	499	..	..	..
Latvia	..	..	..	..	..	..	190	94
Lebanon	..	..	..	..	..	..	..	..
Lesotho	..	..	..	..	..	..	..	..
Liberia	..	..	..	..	..	..	..	..
Libya	..	..	..	..	..	..	..	..
Lithuania	..	..	..	..	..	..	937	269
Madagascar	1,000	..	..	75	..	..	..	..
Malawi	15	2	..	..	2	..	..	..
Malaysia	15	4	78	126	..	575	..	..
Mali	..	..	..	..	..	3	..	..
Mauritania	..	..	..	..	..	..	..	..
Mauritius	..	..	..	..	..	..	..	..
Mexico	1,211	860	1,960	732	351	213	..	..
Mongolia	12,000	1,170	..	12,000	1,350	..	..	..
Montenegro	..	142	..	..	..	..	..	..
Morocco	16	5	..	42	..	2	..	..
Mozambique	..	212	155	..	..	..	..	..
Myanmar	5	2	120	..	..	80	..	..
Namibia	..	..	..	..	..	..	..	..
Nepal	..	..	..	1	1	7	..	..
Netherlands	1,406	497	2,750	..	..	..	120	120
New Caledonia	4	2	8	..	..	..	..	..
New Zealand	45	33	942	2,673	538	11,902	1,640	..
Nicaragua	..	..	..	..	..	..	..	..
Niger	..	70	..	..	..	..	..	..
Nigeria	..	21	21	338	169	1,000	..	..
Norway	54	1	..	64	5	100	745	350
Oman	..	..	..	..	..	..	..	..
Pakistan	1	1	5	3,451	2,070	68,068	..	..
Panama	..	..	..	..	..	..	..	..
Papua New Guinea	..	..	..	..	..	..	..	..

Peat	Proved recoverable reserves				Uranium (metric tons)		Hydropower (Gross theoretical capability) (GWh/Year)
	Estimated additional amount in place	Natural gas (billions cubic metres)	Crude oil and NGL	Oil shale	Bituminous sands	Reasonably assured resources		Inferred Resources
..	24	*20	..	..	..	..	28,000
..	2	1	..	..	1,000	6,000	80,000
..	..	..	..	..	..	134,700	550,000
..	..	..	..	..	..	..	38
..	3	*9	..	..	..	..	59,000
..	..	232	..	..	..	..	26,000
..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	81,000
..	..	..	..	..	..	..	4,000
..	..	..	..	..	..	..	16,000
238	67	5	8	..	..	8,600	10,000
..	..	..	..	..	..	..	184,000
..	1,074	777	..	..	77,000	27,900	2,638,000
..	3,186	532	..	67	8,400	2,200	2,147,000
..	29,610	20,624	..	..	700	1,800	448,000
..	3,170	15,686	..	..	..	..	225,000
140	10	0	..	..	..	..	1,000
1,000	24	0	550	0	..	..	0
2,500	70	76	10,446	48	4,800	1,300	190,000
..	..	..	..	..	..	..	1,000
..	51	8	..	..	6,600	..	718,000
..	15	0	5,242	5	0	33,800	4,000
..	3,000	4,092	400	6,689	402,400	417,300	170,000
..	..	..	..	..	..	..	24,000
..
..	3	..	..	..	..	..	52,000
..	1,780	13,845	..	..	..	..	..
..	6	5	..	..	..	..	163,000
..	..	..	..	..	..	..	233,000
760	..	..	..	..	..	..	7,000
..	..	..	..	..	..	..	2,000
..	..	..	..	..	..	..	5,000
..	..	..	..	..	..	..	28,000
..	1,540	6,424	..	..	..	..	..
..	..	2	..	..	..	..	6,000
..	2	..	5	35	..	..	321,000
..	..	..	..	..	11,300	5,700	15,000
..	2,330	546	..	..	..	..	230,000
..	..	..	..	..	..	..	12,000
..	28	*14	..	..	..	..	..
..	..	..	..	..	..	..	150
..	360	1,367	..	0	2,800	0	430,000
..	..	2	42	..	30,600	25,100	57,000
..	..	..	..	..	..	..	27,000
..	2	0	8,167	..	..	..	12,000
..	127	..	..	..	..	..	103,000
..	590	7	286	..	..	..	348,000
..	20	..	..	..	362,600	155,500	23,000
..	0	..	..	..	..	..	733,000
..	1,245	39	..	..	..	..	11,000
..	..	..	..	..	..	..	2,000
..	46	20	3	..	..	..	205,000
..	..	..	..	..	..	..	33,000
..	..	..	..	..	340,600	104,900	3,000
..	5,292	5,074	..	91	..	..	43,000
7,015	2,215	726	..	..	..	..	600,000
..	950	750	..	..	..	..	..
..	840	40	..	..	..	..	475,000
..	..	..	..	..	..	..	26,000
..	442	*12	..	..	..	..	175,000

Table 36

Selected energy resources and reserves

Million metric tons unless otherwise indicated

Country or area	Bituminous coal / Anthracite			Sub-bituminous coal / Lignite			Peat	
	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves
Paraguay	..	..	..	..	..	..	..	..
Peru	..	44	..	..	100	..	..	..
Philippines	50	41	8	394	275	37	..	..
Poland	16,967	4,338	27,405	1,661	1,371	11,837	890	..
Portugal	8	3	..	38	33	..	..	..
Qatar	..	..	..	..	..	..	..	..
Republic of Moldova	..	..	..	..	..	..	..	..
Romania	28	10	2,143	3,810	281	8,177	25	13
Russian Federation	194,000	49,088	200,000	124,823	107,922	200,000	17,680	11,554
Rwanda	..	..	..	..	..	..	..	..
Samoa	..	..	..	..	..	..	..	..
Saudi Arabia	..	..	..	..	..	..	..	..
Senegal	..	..	..	..	..	..	40	24
Serbia	22	9	..	20,836	13,761	..	..	..
Serbia and Montenegro	..	..	..	..	..	..	..	..
Sierra Leone	..	..	..	..	..	..	..	..
Slovakia	2	2	..	519	260	..	..	..
Slovenia	..	..	..	644	223	40	..	..
Solomon Islands	..	..	..	..	..	..	..	..
Somalia	..	..	..	..	..	..	..	..
South Africa	115,000	30,156	5,000	30	..	100	47	30
Spain	812	200	3,000	584	330	1,260	94	70
Sri Lanka	..	..	..	..	..	..	5	5
Sudan	..	..	..	..	..	..	..	..
Suriname	..	..	..	..	..	..	..	..
Swaziland	1,000	144	793	..	..	..	..	..
Sweden	..	..	..	4	1	20	700	70
Switzerland	..	..	..	..	..	..	..	..
Syrian Arab Republic	..	..	..	..	..	..	..	..
T.F.Yug.Rep. Macedonia	..	..	..	..	332	..	..	..
Tajikistan	..	375	..	..	..	..	..	..
Thailand	..	..	..	2,056	1,239	2,857	..	..
Togo	..	..	..	..	..	..	..	..
Trinidad and Tobago	..	..	..	..	..	..	..	..
Tunisia	..	..	..	..	..	..	..	..
Turkey	590	529	249	2,166	1,814	296	..	..
Turkmenistan	..	..	..	..	..	..	..	..
Uganda	..	..	..	..	..	..	..	..
Ukraine	20,467	15,351	5,170	24,697	18,522	6,174	2,160	684
United Arab Emirates	..	..	..	..	..	..	..	..
United Kingdom	386	228	190	1,000	500	..	..	..
United Rep. of Tanzania	*304	200	*1,500	..	..	..	..	..
United States	241,607	108,501	445,346	200,807	128,794	667,415	26,000	13,000
Uruguay	..	..	..	..	..	..	..	..
Uzbekistan	..	47	..	..	1,853	..	..	..
Venezuela(Bolivar. Rep.)	1,328	479	4,528	..	..	..	..	..
Viet Nam	312	150	..	..	..	..	..	..
Yemen	..	..	..	..	..	..	..	..
Zambia	..	10	..	69	55	18	..	..
Zimbabwe	1,535	502	5,820	965	..	..	..	..

Peat	Proved recoverable reserves				Uranium (metric tons)		Hydropower (Gross theoretical capability) (GWh/Year)	
	Estimated additional amount in place	Natural gas (billions cubic metres)	Crude oil and NGL	Oil shale	Bituminous sands	Reasonably assured resources		Inferred Resources
200	..	..	..	..	..	..	..	111,000
..	335	79	..	..	1	1,300	1,300	1,577,000
..	93	18	..	..	..	..	..	47,000
2,300	75	16	..	7	..	..	..	25,000
..	..	..	..	..	..	6,000	1,000	32,000
..	25,172	3,465	..	..	..	..	..	..
..	..	..	..	..	..	..	..	2,000
10	102	54	..	..	1	3,100	3,600	70,000
168,320	44,900	8,184	35,470	4,518	218,300	432,000	432,000	2,295,000
2,000	57	..	..	..	..	..	..	2,000
..	..	..	..	..	..	..	..	140
..	7,569	36,201	..	..	..	..	..	..
52	10	0	..	..	..	..	..	11,000
..	48	11	..	..	..	..	..	27,000
..	45	22	..	..	..	..	..	118,000
..	..	..	..	..	..	..	..	11,000
..	15	1	..	..	..	0	9,000	10,000
..	0	0	..	..	..	1,700	7,500	19,000
..	..	..	..	..	..	..	..	3,000
..	6	..	..	..	..	5,000	2,600	2,000
..	10	2	19	..	..	192,900	179,200	73,000
..	3	20	40	..	..	14,000	0	162,000
46	..	..	..	..	..	..	..	21,000
..	85	682	..	..	..	..	..	48,000
..	..	*12	..	..	..	..	..	39,000
..	..	..	..	..	..	..	..	4,000
..	..	..	875	..	..	5,000	8,500	200,000
..	..	..	..	..	..	..	..	125,000
..	300	335	..	..	..	..	..	11,000
..	..	..	..	..	..	..	..	9,000
..	6	2	..	..	..	..	..	527,000
..	340	*82	916	..	..	..	..	18,000
..	..	..	..	..	..	..	..	4,000
..	481	46	..	..	1	..	..	..
..	92	55	..	..	..	..	..	1,000
..	6	43	284	..	..	7,300	..	433,000
..	8,400	82	1,100	..	..	..	..	24,000
..	..	..	..	..	..	..	..	33,000
1,846	787	54	600	..	..	143,300	81,300	45,000
..	6,432	13,340	..	..	..	..	..	..
..	292	382	501	12	..	..	..	35,000
..	24	..	..	..	..	30,100	15,600	39,000
..	7,022	4,215	536,931	3	..	472,100	..	2,040,000
46	..	..	..	..	..	..	..	32,000
..	1,745	81	1,200	..	..	64,300	31,900	88,000
..	4,983	28,780	..	9,212	..	..	..	731,000
..	217	600	..	..	..	1,000	5,400	300,000
..	555	409	..	..	..	..	..	..
..	..	..	..	..	..	9,900	5,700	53,000
..	..	..	..	..	..	1,400	..	44,000