



# SECTION 8

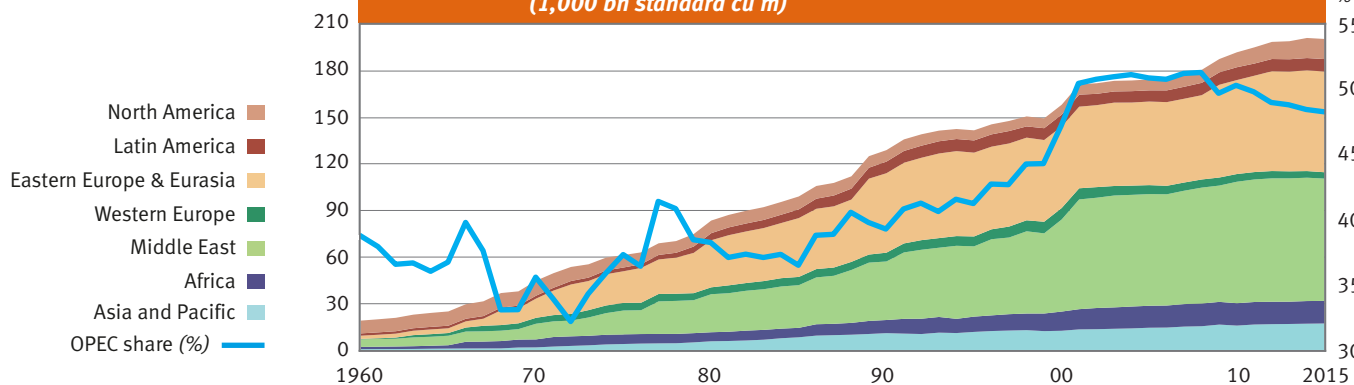
## Natural gas data

**Table 8.1****Natural gas data**World proven natural gas reserves by country (*bn standard cu m*)

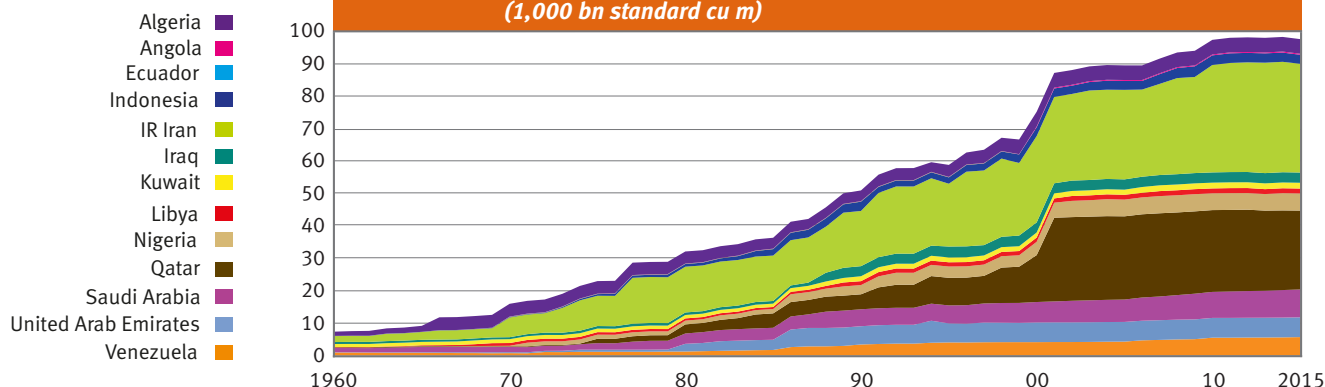
	2011	2012	2013	2014	2015	% change 15/14
<b>North America</b>	<b>10,524.2</b>	<b>11,121.0</b>	<b>11,725.5</b>	<b>13,039.0</b>	<b>13,053.0</b>	<b>0.1</b>
Canada	1,897.0	1,660.0	1,700.0	2,028.0	2,041.9	0.7
United States	8,627.2	9,461.0	10,025.5	11,011.0	11,011.0	–
<b>Latin America</b>	<b>7,886.4</b>	<b>7,947.4</b>	<b>7,985.8</b>	<b>7,979.3</b>	<b>8,079.1</b>	<b>1.3</b>
Argentina	359.0	333.0	316.0	309.0	324.5	5.0
Bolivia	281.0	281.0	296.0	300.5	300.5	–
Brazil	417.0	460.0	458.0	471.0	485.1	3.0
Chile	43.0	41.0	41.0	40.0	40.0	–
Colombia	153.0	155.0	156.0	156.0	148.2	–5.0
Ecuador	6.4	6.4	6.0	10.9	10.9	–
Mexico	349.0	360.0	347.0	324.0	317.5	–2.0
Peru	353.0	359.0	425.8	413.9	413.9	–
Trinidad & Tobago	381.0	375.0	346.0	325.0	325.0	–
Venezuela	5,528.0	5,563.0	5,581.0	5,617.0	5,701.5	1.5
Others	16.0	14.0	13.0	12.0	12.0	–
<b>Eastern Europe and Eurasia</b>	<b>62,582.0</b>	<b>64,805.0</b>	<b>64,793.2</b>	<b>65,425.2</b>	<b>65,422.3</b>	<b>–</b>
Armenia	18.0	18.0	18.0	18.0	18.0	–
Azerbaijan	1,317.0	1,317.0	1,300.0	1,291.0	1,291.0	–
Kazakhstan	1,913.0	1,950.0	1,929.0	1,918.0	1,918.0	–
Poland	71.0	69.0	69.0	62.9	60.4	–4.0
Romania	595.0	109.0	113.0	109.2	109.2	–
Russia	46,000.0	48,676.0	48,810.0	49,541.0	49,541.0	–
Turkmenistan	10,000.0	10,000.0	9,933.8	9,904.2	9,904.2	–
Ukraine	969.0	969.0	952.0	944.0	944.0	–
Uzbekistan	1,661.0	1,661.0	1,632.0	1,608.0	1,608.0	–
Others	38.0	36.0	36.4	28.9	28.5	–1.3
<b>Western Europe</b>	<b>4,799.0</b>	<b>4,739.0</b>	<b>4,553.4</b>	<b>4,301.1</b>	<b>4,116.3</b>	<b>–4.3</b>
Denmark	101.0	95.0	90.0	90.0	90.0	–
Germany	87.0	80.0	71.0	63.0	63.0	–
Italy	66.0	62.0	56.0	53.7	53.7	–
Netherlands	1,161.0	1,230.0	1,131.0	1,044.0	981.4	–6.0
Norway	2,762.0	2,685.0	2,654.0	2,547.0	2,445.1	–4.0
United Kingdom	520.0	481.0	452.0	407.0	386.7	–5.0
Others	102.0	106.0	99.4	96.4	96.4	–
<b>Middle East</b>	<b>79,581.0</b>	<b>80,131.0</b>	<b>80,087.0</b>	<b>80,102.2</b>	<b>79,430.3</b>	<b>–0.8</b>
IR Iran	33,620.0	33,780.0	34,020.0	34,020.0	33,500.0	–1.5
Iraq	3,158.0	3,158.0	3,158.0	3,158.0	3,158.0	–
Kuwait	1,784.0	1,784.0	1,784.0	1,784.0	1,784.0	–
Oman	610.0	950.0	950.0	950.0	931.0	–2.0
Qatar	25,110.0	25,069.0	24,681.0	24,531.3	24,299.1	–0.9
Saudi Arabia	8,151.0	8,235.0	8,317.0	8,488.9	8,588.2	1.2
United Arab Emirates	6,091.0	6,091.0	6,091.0	6,091.0	6,091.0	–
Others	1,057.0	1,064.0	1,086.0	1,079.0	1,079.0	–
<b>Africa</b>	<b>14,618.6</b>	<b>14,569.4</b>	<b>14,482.3</b>	<b>14,705.2</b>	<b>14,665.5</b>	<b>–0.3</b>
Algeria	4,504.0	4,504.0	4,504.0	4,504.0	4,504.0	–
Angola	275.0	275.0	275.0	308.1	308.1	–
Cameroon	155.0	153.0	144.0	154.0	154.0	–
Congo	127.0	124.0	115.0	106.0	106.0	–
Egypt	2,210.0	2,190.0	2,185.0	2,168.0	2,168.0	–
Libya	1,547.0	1,549.0	1,506.0	1,504.9	1,504.9	–
Nigeria	5,175.6	5,118.4	5,107.1	5,324.0	5,284.3	–0.7
Others	625.0	656.0	646.2	636.3	636.3	–
<b>Asia and Pacific</b>	<b>16,529.4</b>	<b>16,750.0</b>	<b>16,877.2</b>	<b>17,058.8</b>	<b>17,200.1</b>	<b>0.8</b>
Australia	3,759.0	3,730.0	3,650.0	3,703.0	3,703.0	–
Bangladesh	354.0	474.0	436.0	418.0	418.0	–
Brunei	301.0	288.0	269.7	263.3	263.3	–
China	2,853.0	3,051.0	3,200.0	3,275.0	3,438.8	5.0
India	1,278.0	1,331.0	1,355.0	1,427.0	1,484.1	4.0
Indonesia	2,965.4	2,917.0	2,875.4	2,839.1	2,775.1	–2.3
Malaysia	2,328.0	2,389.0	2,611.0	2,690.0	2,690.0	–
Myanmar	522.0	509.0	496.0	485.0	485.0	–
Pakistan	810.0	766.0	749.0	736.4	736.4	–
Thailand	300.0	285.0	238.0	224.5	224.5	–
Vietnam	288.0	224.0	216.3	210.5	210.5	–
Others	771.0	786.0	780.8	787.0	771.4	–2.0
<b>Total world</b>	<b>196,520.6</b>	<b>200,062.7</b>	<b>200,504.3</b>	<b>202,610.9</b>	<b>201,966.5</b>	<b>–0.3</b>
<i>of which</i>						
OPEC	97,915.4	98,049.8	97,905.4	98,181.2	97,509.1	–0.7
<i>OPEC percentage</i>	<i>49.8</i>	<i>49.0</i>	<i>48.8</i>	<i>48.5</i>	<i>48.3</i>	
OECD	19,830.2	20,329.0	20,677.7	21,759.0	21,563.0	–0.9
FSU	61,883.0	64,596.0	64,579.8	65,229.2	65,229.2	–

Notes: Figures as at year-end.

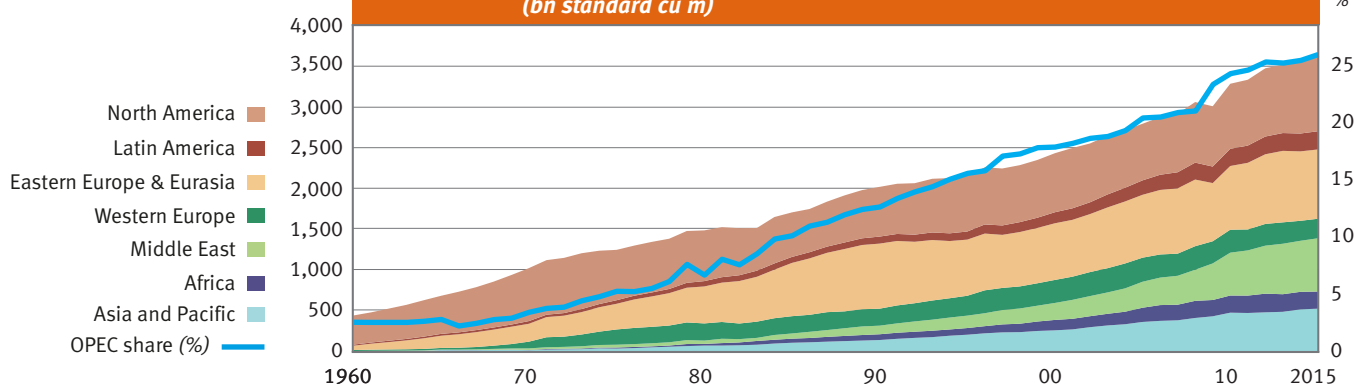
**Graph 8.1: World proven natural gas reserves**  
(1,000 bn standard cu m)



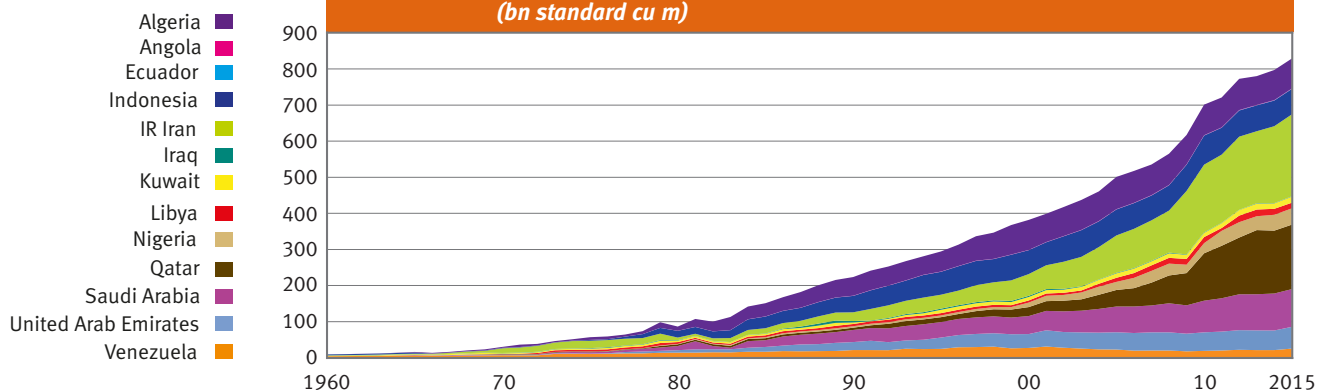
**Graph 8.2: OPEC Members' proven natural gas reserves**  
(1,000 bn standard cu m)



**Graph 8.3: World marketed production of natural gas**  
(bn standard cu m)



**Graph 8.4: OPEC Members' marketed production of natural gas**  
(bn standard cu m)



**Table 8.2****Natural gas data**Natural gas production in OPEC Members (*m standard cu m*)

	2011	2012	2013	2014	2015	% change 15/14
<b>Algeria</b>						
Gross production	190,127.0	182,599.0	179,489.6	186,724.0	183,824.5	-1.6
Marketed production	82,767.0	86,454.0	79,647.3	83,295.6	83,040.7	-0.3
Flaring	3,604.0	3,495.0	3,661.4	3,947.8	3,514.2	-11.0
Reinjection	88,745.0	77,375.0	76,240.9	81,210.0	77,053.6	-5.1
Shrinkage	15,011.0	15,275.0	19,940.0	18,270.6	20,216.0	10.6
<b>Angola</b>						
Gross production	10,733.0	10,847.2	10,760.2	10,450.2	10,540.5	0.9
Marketed production	752.0	760.0	925.0	732.2	772.5	5.5
Flaring	7,183.0	7,259.4	7,001.2	6,993.7	6,997.0	-
Reinjection	2,599.0	2,626.6	2,579.5	2,530.5	2,555.0	1.0
Shrinkage	199.0	201.1	254.0	193.8	216.0	11.5
<b>Ecuador</b>						
Gross production	1,337.0	1,541.0	1,628.0	1,762.6	1,676.9	-4.9
Marketed production	241.0	517.0	515.0	577.9	496.9	-14.0
Flaring	539.0	512.0	579.0	622.7	666.9	7.1
Reinjection	-	-	-	-	-	-
Shrinkage	557.0	512.0	534.0	562.0	513.0	-8.7
<b>Indonesia</b>						
Gross production	77,567.0	75,620.0	74,338.0	75,648.0	74,226.0	-1.9
Marketed production	74,359.0	72,309.0	71,450.0	70,891.0	70,274.0	-0.9
Flaring	2,452.0	1,085.0	1,758.0	1,886.0	1,863.0	-1.2
Reinjection	694.0	758.0	573.0	512.0	539.0	5.3
Shrinkage	62.0	1,468.0	557.0	2,359.0	1,550.0	-34.3
<b>IR Iran</b>						
Gross production	224,122.0	231,332.0	228,887.0	244,551.0	257,623.0	5.3
Marketed production	188,753.0	202,431.0	199,293.0	212,796.0	226,673.0	6.5
Flaring	-	-	-	-	-	-
Reinjection	35,369.0	28,901.0	29,594.0	31,755.0	30,950.0	-2.5
Shrinkage	-	-	-	-	-	-
<b>Iraq</b>						
Gross production	18,691.0	20,496.0	21,390.1	21,853.1	23,458.1	7.3
Marketed production	876.0	646.0	1,179.0	904.4	1,001.9	10.8
Flaring	9,612.0	11,975.0	12,431.8	12,871.4	14,606.6	13.5
Reinjection	968.0	875.0	335.0	150.1	164.3	9.5
Shrinkage	7,235.0	7,000.0	7,444.4	7,927.2	7,685.4	-3.1
<b>Kuwait</b>						
Gross production	13,750.0	15,742.0	16,529.2	15,249.8	17,131.0	12.3
Marketed production	13,533.0	15,515.0	16,311.2	15,028.8	16,909.0	12.5
Flaring	217.0	227.0	218.0	221.0	222.0	0.5
Reinjection	-	-	-	-	-	-
Shrinkage	-	-	-	-	-	-

Natural gas production in OPEC Members (*m standard cu m*)

	2011	2012	2013	2014	2015	% change 15/14
<b>Libya</b>						
Gross production	9,861.0	23,436.0	22,873.7	21,016.2	19,941.0	-5.1
Marketed production	7,855.0	18,118.0	18,462.6	16,523.3	15,493.0	-6.2
Flaring	1,302.0	3,922.0	3,248.0	4,485.6	4,440.7	-1.0
Reinjection	704.0	1,396.0	1,148.0	7.3	7.3	-
Shrinkage	-	-	15.1	-	-	-
<b>Nigeria</b>						
Gross production	84,004.0	84,846.0	79,626.0	86,325.2	85,223.2	-1.3
Marketed production	41,323.0	42,571.0	38,411.0	43,841.6	45,148.1	3.0
Flaring	14,270.0	13,182.0	12,112.0	10,736.8	9,687.3	-9.8
Reinjection	22,519.0	20,520.0	21,466.0	22,894.3	21,040.2	-8.1
Shrinkage	5,892.0	8,573.0	7,637.0	8,852.6	9,347.6	5.6
<b>Qatar</b>						
Gross production	150,016.4	163,025.3	183,698.0	180,024.1	184,344.6	2.4
Marketed production	145,271.4	157,049.6	177,602.0	174,056.7	178,472.0	2.5
Flaring	558.0	702.7	740.6	709.3	717.6	1.2
Reinjection	2,109.0	2,656.0	2,705.7	2,651.0	2,530.4	-4.5
Shrinkage	2,078.0	2,617.0	2,650.1	2,607.0	2,624.7	0.7
<b>Saudi Arabia</b>						
Gross production	102,430.0	111,220.0	114,120.0	116,720.0	119,830.0	2.7
Marketed production	92,260.0	99,330.0	100,030.0	102,380.0	104,450.0	2.0
Flaring	-	-	-	10.0	40.0	300.0
Reinjection	30.0	10.0	20.0	10.0	-	-100.0
Shrinkage	10,140.0	11,880.0	14,070.0	14,320.0	15,340.0	7.1
<b>United Arab Emirates</b>						
Gross production	82,460.0	82,500.0	83,796.0	83,706.1	90,010.6	7.5
Marketed production	52,308.0	54,300.0	54,600.0	54,244.6	60,181.0	10.9
Flaring	982.0	1,020.0	1,021.0	1,017.2	1,041.9	2.4
Reinjection	23,974.0	22,390.0	23,182.0	23,403.6	23,686.2	1.2
Shrinkage	5,196.0	4,790.0	4,993.0	5,040.7	5,101.6	1.2
<b>Venezuela</b>						
Gross production	73,274.0	75,968.0	76,440.1	76,717.0	80,196.4	4.5
Marketed production	20,769.0	22,726.0	21,819.8	21,878.0	26,004.4	18.9
Flaring	9,284.0	11,347.0	13,724.6	15,319.0	16,539.9	8.0
Reinjection	29,827.0	29,756.0	28,770.0	27,034.0	25,440.6	-5.9
Shrinkage	13,394.0	12,139.0	12,125.8	12,486.0	12,211.5	-2.2
<b>OPEC</b>						
Gross production	1,038,372.4	1,079,172.5	1,093,575.9	1,120,747.3	1,148,025.7	2.4
Marketed production	721,067.4	772,726.6	780,245.8	797,150.1	828,916.3	4.0
Flaring	50,003.0	54,727.1	56,495.6	58,820.5	60,337.0	2.6
Reinjection	207,538.0	187,263.7	186,614.1	192,157.8	183,966.6	-4.3
Shrinkage	59,764.0	64,455.1	70,220.3	72,618.9	74,805.8	3.0

**Table 8.3**

Natural gas data

World marketed production of natural gas by country (*m standard cu m*)

	2011	2012	2013	2014	2015	% change 15/14
<b>North America</b>	<b>809,923.0</b>	<b>839,521.0</b>	<b>843,040.0</b>	<b>892,336.0</b>	<b>932,778.0</b>	<b>4.5</b>
Canada	159,714.0	156,547.0	156,068.0	162,102.0	163,944.0	1.1
United States	650,209.0	682,974.0	686,972.0	730,234.0	768,834.0	5.3
<b>Latin America</b>	<b>211,975.4</b>	<b>218,041.4</b>	<b>219,059.1</b>	<b>219,563.0</b>	<b>223,800.0</b>	<b>1.9</b>
Argentina	38,770.0	37,640.0	35,560.0	35,530.0	36,500.0	2.7
Bolivia	15,720.0	17,910.0	20,480.0	21,094.4	22,597.0	7.1
Brazil	14,576.4	16,976.4	19,029.2	20,353.3	23,098.0	13.5
Colombia	10,950.0	11,930.0	12,800.0	12,680.0	12,806.8	1.0
Ecuador	241.0	517.0	515.0	577.9	496.9	-14.0
Mexico	55,230.0	53,713.0	52,423.0	50,510.0	45,984.0	-9.0
Peru	11,400.0	11,850.0	11,633.1	12,925.7	13,387.0	3.6
Trinidad & Tobago	42,309.0	42,609.0	42,846.9	42,082.0	40,875.0	-2.9
Venezuela	20,769.0	22,726.0	21,819.8	21,878.0	26,004.4	18.9
Others	2,010.0	2,170.0	1,952.0	1,931.7	2,050.9	6.2
<b>Eastern Europe and Eurasia</b>	<b>819,839.0</b>	<b>857,119.0</b>	<b>879,536.0</b>	<b>854,215.8</b>	<b>852,628.5</b>	<b>-0.2</b>
Azerbaijan	15,350.0	17,236.0	17,851.0	18,633.0	19,365.0	3.9
Hungary	2,730.0	2,462.0	2,001.0	1,854.0	1,758.0	-5.2
Kazakhstan	19,050.0	19,490.0	19,650.0	20,150.0	21,157.5	5.0
Poland	4,150.0	6,193.0	6,206.0	6,081.0	6,080.0	-
Romania	10,707.0	10,979.0	11,017.0	11,186.0	11,494.0	2.8
Russia	628,140.0	656,286.0	671,546.0	642,997.0	637,386.0	-0.9
Turkmenistan	60,950.0	66,000.0	72,000.0	74,160.0	80,162.0	8.1
Ukraine	18,810.0	18,600.0	20,280.0	19,827.8	18,808.0	-5.1
Uzbekistan	58,850.0	58,730.0	58,080.0	58,500.0	55,700.0	-4.8
Others	1,102.0	1,143.0	905.0	827.0	718.0	-13.2
<b>Western Europe</b>	<b>257,812.0</b>	<b>267,474.0</b>	<b>263,289.0</b>	<b>245,950.0</b>	<b>240,184.0</b>	<b>-2.3</b>
Austria	1,770.0	1,910.0	1,370.0	1,247.0	1,233.0	-1.1
Croatia	2,000.0	1,610.0	1,771.0	1,870.0	1,832.0	-2.0
Denmark	6,591.0	5,725.0	4,846.0	4,613.0	4,593.0	-0.4
France	839.0	508.0	323.0	15.0	21.0	40.0
Germany	11,600.0	12,299.0	11,886.0	10,191.0	8,398.0	-17.6
Ireland	356.0	373.0	343.0	151.0	132.0	-12.6
Italy	8,260.0	8,605.0	7,734.0	7,147.0	6,773.0	-5.2
Netherlands	80,574.0	80,145.0	86,401.0	70,190.0	54,375.0	-22.5
Norway	101,420.0	114,055.0	109,040.0	111,014.0	120,589.0	8.6
United Kingdom	43,780.0	40,989.0	38,360.0	38,410.0	41,201.0	7.3
Others	622.0	1,255.0	1,215.0	1,102.0	1,037.0	-5.9
<b>Middle East</b>	<b>555,986.4</b>	<b>590,715.6</b>	<b>621,057.2</b>	<b>627,961.9</b>	<b>655,128.3</b>	<b>4.3</b>
Bahrain	12,620.0	13,740.0	17,220.0	17,564.4	17,757.6	1.1
IR Iran	188,753.0	202,431.0	199,293.0	212,796.0	226,673.0	6.5
Iraq	876.0	646.0	1,179.0	904.4	1,001.9	10.8
Kuwait	13,533.0	15,515.0	16,311.2	15,028.8	16,909.0	12.5

World marketed production of natural gas by country (*m standard cu m*)

	2011	2012	2013	2014	2015	% change 15/14
<b>Middle East (cont'd)</b>						
Oman	28,595.0	31,583.0	32,620.0	30,897.0	31,823.9	3.0
Qatar	145,271.4	157,049.6	177,602.0	174,056.7	178,472.0	2.5
Saudi Arabia	92,260.0	99,330.0	100,030.0	102,380.0	104,450.0	2.0
Syrian Arab Republic	7,870.0	5,800.0	5,300.0	2,650.0	1,855.0	-30.0
United Arab Emirates	52,308.0	54,300.0	54,600.0	54,244.6	60,181.0	10.9
Others	13,900.0	10,321.0	16,902.0	17,440.0	16,005.0	-8.2
<b>Africa</b>	<b>214,012.0</b>	<b>229,483.0</b>	<b>216,368.9</b>	<b>215,420.7</b>	<b>211,146.4</b>	<b>-2.0</b>
Algeria	82,767.0	86,454.0	79,647.3	83,295.6	83,040.7	-0.3
Angola	752.0	760.0	925.0	732.2	772.5	5.5
Egypt	61,260.0	60,717.0	56,181.0	48,791.0	44,328.0	-9.1
Equatorial Guinea	6,880.0	6,370.0	6,550.0	6,160.0	6,555.0	6.4
Côte d'Ivoire	1,500.0	1,650.0	1,996.0	1,996.0	1,998.0	0.1
Libya	7,855.0	18,118.0	18,462.6	16,523.3	15,493.0	-6.2
Mozambique	3,820.0	4,890.0	5,280.0	5,600.0	5,712.0	2.0
Nigeria	41,323.0	42,571.0	38,411.0	43,841.6	45,148.1	3.0
South Africa	3,031.0	3,000.0	3,000.0	2,740.0	2,603.0	-5.0
Tunisia	2,844.0	2,783.0	2,786.0	2,561.0	2,475.0	-3.4
Others	1,980.0	2,170.0	3,130.0	3,180.0	3,021.1	-5.0
<b>Asia Pacific</b>	<b>475,163.5</b>	<b>483,247.7</b>	<b>489,659.1</b>	<b>519,917.0</b>	<b>528,035.9</b>	<b>1.6</b>
Australia	46,970.0	49,940.0	51,690.0	53,771.0	60,223.5	12.0
Bangladesh	20,110.0	22,030.0	22,800.0	23,800.0	25,800.0	8.4
Brunei	12,440.0	11,830.0	12,206.0	11,852.0	12,452.0	5.1
China	102,689.0	106,429.0	111,640.0	128,481.0	133,279.0	3.7
India	47,620.0	41,700.0	35,120.0	34,574.1	32,693.2	-5.4
Indonesia	74,359.0	72,309.0	71,450.0	70,891.0	70,274.0	-0.9
Japan	4,350.0	4,845.0	4,695.0	4,686.0	4,430.0	-5.5
Malaysia	61,700.0	62,000.0	64,000.0	65,421.0	63,433.0	-3.0
Myanmar	12,013.0	11,970.0	13,541.0	18,724.0	19,004.0	1.5
New Zealand	4,374.0	4,646.0	4,866.0	5,177.0	4,975.0	-3.9
Pakistan	39,150.0	41,460.0	42,646.2	41,926.2	42,135.9	0.5
Philippines	3,150.0	2,750.0	3,496.0	3,950.0	3,811.8	-3.5
Thailand	36,975.5	41,306.7	41,802.9	42,102.7	39,818.2	-5.4
Vietnam	7,710.0	8,320.0	8,580.0	8,990.0	9,079.9	1.0
Others	1,553.0	1,712.0	1,126.0	5,571.0	6,626.5	18.9
<b>Total world</b>	<b>3,344,711.3</b>	<b>3,485,601.7</b>	<b>3,532,009.2</b>	<b>3,575,364.3</b>	<b>3,643,701.1</b>	<b>1.9</b>
<i>of which</i>						
OPEC	721,067.4	772,726.6	780,245.8	797,150.1	828,916.3	4.0
<i>OPEC percentage</i>	<i>21.6</i>	<i>22.2</i>	<i>22.1</i>	<i>22.3</i>	<i>22.7</i>	
OECD	1,185,312.0	1,229,131.0	1,227,560.0	1,259,467.0	1,295,545.5	2.9
FSU	801,482.0	836,660.0	859,715.0	834,549.8	832,863.5	-0.2

**Table 8.4****Natural gas data**World natural gas exports by country (*m standard cu m*)

	2011	2012	2013	2014	2015	% change 15/14
<b>North America</b>	<b>130,891.0</b>	<b>134,129.0</b>	<b>126,372.0</b>	<b>121,318.0</b>	<b>128,133.0</b>	<b>5.6</b>
Canada	88,210.0	88,290.0	81,931.0	77,968.0	78,253.0	0.4
United States	42,681.0	45,839.0	44,441.0	43,350.0	49,880.0	15.1
<b>Latin America</b>	<b>38,980.0</b>	<b>39,496.0</b>	<b>42,227.0</b>	<b>41,538.6</b>	<b>41,037.2</b>	<b>-1.2</b>
Argentina	200.0	106.0	87.0	63.0	62.0	-1.6
Bolivia	13,320.0	14,720.0	17,110.0	17,802.0	17,597.0	-1.2
Colombia	2,110.0	1,840.0	2,100.0	950.0	950.0	-
Mexico	80.0	10.0	30.0	30.0	30.0	-
Trinidad & Tobago	17,630.0	17,730.0	17,720.0	17,410.0	17,061.8	-2.0
Others	5,640.0	5,090.0	5,180.0	5,283.6	5,336.4	1.0
<b>Eastern Europe and Eurasia</b>	<b>295,680.0</b>	<b>267,080.0</b>	<b>293,209.0</b>	<b>273,456.0</b>	<b>276,369.6</b>	<b>1.1</b>
Azerbaijan	5,610.0	6,100.0	7,009.0	8,066.0	8,140.0	0.9
Kazakhstan	11,240.0	11,030.0	11,400.0	11,860.0	11,978.6	1.0
Russia	231,590.0	203,940.0	218,730.0	192,930.0	196,016.9	1.6
Turkmenistan	35,240.0	35,810.0	41,270.0	45,850.0	45,804.2	-0.1
Uzbekistan	12,000.0	10,200.0	13,500.0	13,500.0	13,230.0	-2.0
Others	0.0	0.0	1,300.0	1,250.0	1,200.0	-4.0
<b>Western Europe</b>	<b>200,863.0</b>	<b>218,165.0</b>	<b>220,809.0</b>	<b>224,079.1</b>	<b>226,867.0</b>	<b>1.2</b>
Austria	4,704.0	3,629.0	4,034.0	3,630.6	3,634.2	0.1
Belgium	9,350.0	9,540.0	13,060.0	13,025.0	13,038.0	0.1
Denmark	3,127.0	2,983.0	2,236.0	2,085.0	2,191.0	5.1
France	6,483.0	5,994.0	5,027.0	4,810.0	4,858.1	1.0
Germany	11,520.0	12,240.0	13,890.0	17,362.5	18,230.6	5.0
Italy	373.0	324.0	226.0	237.0	220.0	-7.2
Netherlands	50,410.0	54,510.0	59,500.0	58,661.0	50,962.0	-13.1
Norway	95,077.0	111,928.0	106,596.0	106,759.0	114,221.0	7.0
Spain	3,098.0	4,414.0	5,832.0	6,032.0	5,047.0	-16.3
United Kingdom	15,960.0	11,971.0	9,754.0	10,844.0	13,841.0	27.6
Others	761.0	632.0	654.0	633.0	624.0	-1.4
<b>Middle East</b>	<b>155,115.0</b>	<b>155,940.0</b>	<b>165,481.0</b>	<b>163,998.3</b>	<b>164,504.9</b>	<b>0.3</b>
IR Iran	9,114.0	9,152.0	9,307.0	8,360.0	8,541.0	2.2
Oman	10,930.0	10,870.0	11,400.0	10,830.0	10,721.7	-1.0
Qatar	113,551.0	115,668.0	122,874.0	122,628.3	129,877.2	5.9
United Arab Emirates	12,770.0	13,420.0	12,590.0	13,520.0	13,200.0	-2.4
Yemen	8,750.0	6,830.0	9,310.0	8,660.0	2,165.0	-75.0
<b>Africa</b>	<b>100,704.0</b>	<b>104,975.0</b>	<b>92,147.0</b>	<b>89,437.0</b>	<b>85,769.4</b>	<b>-4.1</b>
Algeria	52,017.0	54,594.0	46,708.0	44,190.0	43,418.7	-1.7
Angola	-	-	517.0	-	-	-
Egypt	10,520.0	7,570.0	6,056.0	5,147.6	2,573.8	-50.0
Equatorial Guinea	5,260.0	4,720.0	5,090.0	4,560.0	4,514.4	-1.0
Libya	3,666.0	6,225.0	5,513.0	4,961.7	4,664.0	-6.0
Mozambique	3,300.0	3,600.0	3,720.0	3,800.0	3,895.0	2.5
Nigeria	25,941.0	28,266.0	24,543.0	26,777.7	26,703.5	-0.3
<b>Asia and Pacific</b>	<b>114,595.0</b>	<b>110,381.0</b>	<b>114,264.0</b>	<b>117,139.6</b>	<b>124,112.6</b>	<b>6.0</b>
Australia	25,240.0	27,410.0	29,550.0	32,390.0	36,936.0	14.0
Brunei	9,420.0	8,880.0	9,240.0	8,003.0	8,310.0	3.8
Indonesia	38,795.0	32,821.0	31,384.0	29,647.0	29,213.0	-1.5
Malaysia	32,570.0	32,800.0	35,400.0	35,399.6	35,753.6	1.0
Myanmar	8,570.0	8,470.0	8,690.0	11,700.0	13,900.0	18.8
<b>Total world</b>	<b>1,036,828.0</b>	<b>1,030,166.0</b>	<b>1,054,509.0</b>	<b>1,030,966.6</b>	<b>1,046,793.8</b>	<b>1.5</b>
<i>of which</i>						
OPEC	255,854.0	260,146.0	253,436.0	250,084.6	255,617.4	2.2
<i>OPEC percentage</i>	<i>24.7</i>	<i>25.3</i>	<i>24.0</i>	<i>24.3</i>	<i>24.4</i>	
OECD	357,074.0	379,714.0	376,761.0	377,817.1	391,966.0	3.7
FSU	295,680.0	267,080.0	291,909.0	272,206.0	275,169.6	1.1



World natural gas imports by country (*m standard cu m*)

	2011	2012	2013	2014	2015	% change 15/14
<b>North America</b>	<b>127,975</b>	<b>118,033</b>	<b>108,349</b>	<b>98,218</b>	<b>98,648</b>	<b>0.4</b>
Canada	29,740	29,180	26,699	21,890	20,796	-5.0
United States	98,235	88,853	81,650	76,328	77,852	2.0
<b>Latin America</b>	<b>43,529</b>	<b>52,664</b>	<b>54,988</b>	<b>57,004</b>	<b>56,868</b>	<b>-0.2</b>
Argentina	7,560	8,700	11,200	11,312	11,425	1.0
Brazil	10,480	13,730	16,770	17,530	18,144	3.5
Chile	3,920	3,830	3,778	3,715	3,742	0.7
Mexico	18,060	21,827	18,529	19,698	20,084	2.0
Venezuela	1,797	1,877	1,821	1,839	500	-72.8
Others	1,712	2,700	2,890	2,910	2,973	2.2
<b>Eastern Europe and Eurasia</b>	<b>155,380</b>	<b>139,400</b>	<b>131,390</b>	<b>120,170</b>	<b>110,130</b>	<b>-8.4</b>
Armenia	1,950	2,070	1,960	2,080	2,120	1.9
Belarus	21,850	20,252	20,260	20,052	18,790	-6.3
Bulgaria	2,640	2,370	2,590	2,600	2,613	0.5
Czech Republic	11,280	10,220	9,970	8,000	8,200	2.5
Hungary	6,910	6,060	6,130	7,100	5,500	-22.5
Kazakhstan	6,590	6,200	6,501	6,696	6,770	1.1
Latvia	1,550	1,050	1,060	940	931	-1.0
Lithuania	3,000	3,110	2,530	2,490	2,540	2.0
Moldova	2,910	2,910	2,250	2,630	2,656	1.0
Poland	11,170	11,270	12,690	12,424	10,900	-12.3
Romania	2,650	2,040	1,300	1,040	728	-30.0
Russia	33,110	33,770	28,010	27,730	24,957	-10.0
Slovakia	5,830	5,030	5,080	4,100	4,000	-2.4
Tajikistan	180	188	198	306	306	-
Ukraine	42,000	30,890	28,023	19,133	16,263	-15.0
Others	1,760	1,970	2,838	2,850	2,857	0.2
<b>Western Europe</b>	<b>420,478</b>	<b>414,350</b>	<b>412,623</b>	<b>403,145</b>	<b>422,834</b>	<b>4.9</b>
Austria	9,780	7,810	6,390	7,800	6,000	-23.1
Belgium	29,920	28,580	31,850	28,500	34,100	19.6
Bosnia & Herzegovina	260	240	240	240	240	-
Croatia	820	1,280	1,370	1,040	1,044	0.4
Finland	3,940	3,661	3,340	2,910	2,907	-0.1
France	47,400	44,940	47,990	44,250	44,648	0.9
Germany	89,310	90,530	92,550	98,103	100,300	2.2
Greece	4,640	4,340	3,700	2,928	3,161	8.0
Ireland	5,290	5,290	4,880	4,500	4,600	2.2
Italy	69,930	67,802	61,953	55,758	58,200	4.4
Luxembourg	1,250	1,206	1,028	973	877	-9.9

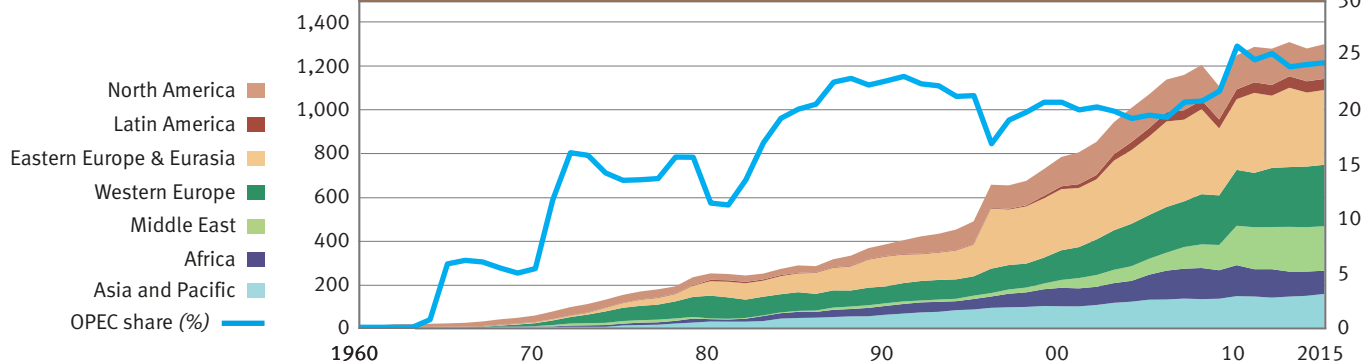
**Table 8.5**

Natural gas data

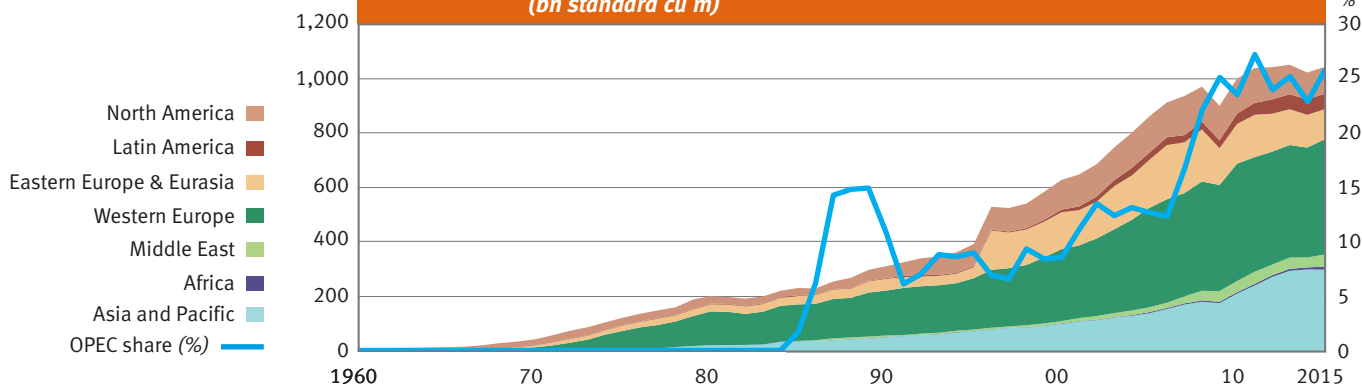
World natural gas imports by country (*m standard cu m*)

	2011	2012	2013	2014	2015	% change 15/14
<b>Western Europe (cont'd)</b>						
Netherlands	14,300	15,390	15,560	15,900	25,000	57.2
Portugal	5,120	4,610	4,840	4,200	5,000	19.0
Serbia	1,850	2,240	2,195	1,900	1,815	-4.5
Spain	35,520	36,754	35,399	36,383	36,274	-0.3
Sweden	1,300	1,130	1,120	1,000	1,030	3.0
Switzerland	3,190	3,420	3,650	3,240	3,381	4.4
Turkey	42,560	44,300	43,710	49,043	48,062	-2.0
United Kingdom	52,838	49,100	48,944	43,405	45,087	3.9
Others	1,260	1,727	1,914	1,072	1,109	3.5
<b>Middle East</b>	<b>44,674</b>	<b>38,819</b>	<b>41,823</b>	<b>36,619</b>	<b>44,260</b>	<b>20.9</b>
IR Iran	11,659	6,720	5,329	4,422	9,015	103.9
Jordan	830	810	1,180	1,197	2,200	83.8
Kuwait	688	688	3,517	3,025	3,852	27.3
Oman	1,950	1,950	1,950	1,970	1,988	0.9
Syrian Arab Republic	552	350	250	125	25	-80.0
United Arab Emirates	28,275	28,201	29,047	25,800	27,100	5.0
Others	720	100	550	80	80	-
<b>Africa</b>	<b>6,296</b>	<b>6,580</b>	<b>6,990</b>	<b>7,620</b>	<b>11,464</b>	<b>50.4</b>
Morocco	786	660	580	500	500	-
South Africa	3,300	3,600	3,720	3,800	3,804	0.1
Tunisia	1,380	1,890	2,260	2,890	2,930	1.4
Others	830	430	430	430	4,230	883.6
<b>Asia and Pacific</b>	<b>241,180</b>	<b>272,823</b>	<b>295,569</b>	<b>300,356</b>	<b>299,788</b>	<b>-0.2</b>
China	30,490	39,700	51,800	55,944	59,169	5.8
India	16,390	17,920	17,380	17,378	18,536	6.7
Japan	104,000	122,243	122,489	123,908	122,190	-1.4
South Korea	48,780	48,120	52,980	49,400	44,400	-10.1
Thailand	9,580	9,760	10,360	10,500	10,941	4.2
Others	31,940	35,080	40,560	43,226	44,552	3.1
<b>Total world</b>	<b>1,039,513</b>	<b>1,042,669</b>	<b>1,051,732</b>	<b>1,023,132</b>	<b>1,043,992</b>	<b>2.0</b>
<i>of which</i>						
OPEC	42,419	37,486	39,714	35,086	40,467	15.3
<i>OPEC percentage</i>	<i>4.1</i>	<i>3.6</i>	<i>3.8</i>	<i>3.4</i>	<i>3.9</i>	
OECD	751,293	753,422	745,601	723,698	734,516	1.5
FSU	114,900	102,410	93,630	84,907	78,189	-7.9

**Graph 8.5: World natural gas exports**  
(bn standard cu m)



**Graph 8.6: World natural gas imports**  
(bn standard cu m)



**Table 8.6**

Natural gas data

World natural gas demand by country (*m standard cu m*)

	2011	2012	2013	2014	2015	% change 15/14
<b>North America</b>	<b>779,585.3</b>	<b>823,542.4</b>	<b>844,598.8</b>	<b>860,514.0</b>	<b>882,342.0</b>	<b>2.5</b>
Canada	86,382.2	100,291.2	103,505.7	104,510.0	104,396.0	-0.1
United States	693,203.1	723,251.2	741,093.2	756,004.0	777,946.0	2.9
<b>Latin America</b>	<b>209,255.6</b>	<b>217,142.7</b>	<b>220,884.2</b>	<b>236,199.6</b>	<b>237,191.8</b>	<b>0.4</b>
Argentina	46,136.5	46,246.5	47,996.8	49,876.0	51,372.3	3.0
Bolivia	2,470.3	3,700.5	3,200.5	4,430.0	4,562.9	3.0
Brazil	25,063.5	30,338.3	38,405.4	41,744.0	43,831.2	5.0
Colombia	8,841.3	7,661.1	7,610.1	7,914.5	8,310.2	5.0
Ecuador	241.0	517.0	515.0	577.9	496.9	-14.0
Mexico	66,735.4	68,580.7	64,589.1	70,169.0	66,040.0	-5.9
Peru	5,710.8	6,610.9	5,900.8	7,350.0	7,570.5	3.0
Trinidad & Tobago	22,973.3	20,002.8	20,202.9	21,763.0	22,045.9	1.3
Venezuela	22,569.2	24,606.5	23,643.3	23,720.4	24,076.2	1.5
Others	8,514.2	8,878.3	8,820.2	8,654.8	8,885.7	2.7
<b>Eastern Europe and Eurasia</b>	<b>684,269.2</b>	<b>688,456.5</b>	<b>678,302.6</b>	<b>644,682.1</b>	<b>651,839.6</b>	<b>1.1</b>
Azerbaijan	9,509.3	7,431.1	10,911.5	11,158.0	11,575.0	3.7
Hungary	11,558.6	10,149.4	9,284.0	8,522.0	9,126.0	7.1
Kazakhstan	12,351.7	14,452.0	15,702.2	15,545.2	15,700.7	1.0
Poland	17,180.4	18,116.6	18,231.6	17,835.0	18,196.0	2.0
Romania	13,771.9	13,477.9	12,599.0	11,544.0	11,471.0	-0.6
Russia	434,099.4	444,943.0	441,772.5	409,257.9	415,396.8	1.5
Turkmenistan	20,102.8	23,003.3	24,003.4	34,200.0	35,294.4	3.2
Ukraine	64,609.1	52,707.5	49,000.0	41,618.0	39,537.1	-5.0
Uzbekistan	51,047.2	52,717.5	46,136.5	48,031.0	48,271.2	0.5
Others	50,038.5	51,458.3	50,661.7	46,971.0	47,271.4	0.6
<b>Western Europe</b>	<b>484,249.9</b>	<b>470,100.9</b>	<b>465,474.2</b>	<b>420,345.4</b>	<b>435,503.4</b>	<b>3.6</b>
Austria	9,448.3	9,034.3	8,529.2	7,752.0	8,334.0	7.5
Croatia	2,324.3	2,890.4	2,900.4	2,343.0	2,471.9	5.5
Denmark	4,182.6	3,893.6	3,721.5	3,159.0	3,170.0	0.3
France	47,296.7	43,131.1	43,774.2	36,279.0	38,788.0	6.9
Germany	86,009.2	84,996.0	88,457.5	77,611.0	81,292.0	4.7
Ireland	4,835.7	4,735.7	4,770.7	4,417.0	4,397.0	-0.5
Italy	77,928.0	74,925.6	70,078.9	61,912.0	67,524.0	9.1
Netherlands	47,887.8	46,057.5	46,365.6	40,605.0	40,136.0	-1.2
Norway	4,560.0	4,340.0	5,150.0	5,970.0	6,268.5	5.0
United Kingdom	80,671.4	77,940.0	77,454.0	70,809.0	72,250.0	2.0
Others	119,105.9	118,156.7	114,272.2	109,488.4	110,872.0	1.3
<b>Middle East</b>	<b>399,020.0</b>	<b>417,446.1</b>	<b>435,538.5</b>	<b>456,308.0</b>	<b>472,103.7</b>	<b>3.5</b>
Bahrain	12,621.8	13,301.9	15,702.2	16,010.0	16,186.1	1.1
IR Iran	153,361.7	157,291.3	157,337.3	174,600.0	184,900.0	5.9
Iraq	880.1	646.1	1,179.2	900.0	1,001.9	11.3

World natural gas demand by country (*m standard cu m*)

	2011	2012	2013	2014	2015	% change 15/14
<b>Middle East (cont'd)</b>						
Kuwait	16,995.4	16,205.3	16,884.4	18,490.0	18,656.4	0.9
Oman	17,542.5	22,606.2	21,923.1	22,654.0	23,356.3	3.1
Qatar	27,413.4	32,453.6	41,120.0	40,500.0	38,400.0	-5.2
Saudi Arabia	92,273.1	99,344.1	100,030.0	102,380.0	104,450.0	2.0
Syrian Arab Republic	8,121.1	6,150.9	5,650.8	4,900.0	3,185.0	-35.0
United Arab Emirates	62,896.9	65,329.2	66,699.4	66,500.0	72,700.0	9.3
Others	6,914.0	4,117.6	9,012.1	9,374.0	9,268.1	-1.1
<b>Africa</b>	<b>110,694.6</b>	<b>127,206.9</b>	<b>131,190.7</b>	<b>129,146.5</b>	<b>129,864.6</b>	<b>0.6</b>
Algeria	32,881.7	36,295.1	36,655.2	37,497.8	39,018.5	4.1
Angola	752.0	760.0	925.0	732.2	772.5	5.5
Egypt	50,757.2	53,147.5	52,727.5	48,080.0	47,118.4	-2.0
Equatorial Guinea	1,620.2	1,780.3	1,490.2	1,600.0	1,601.6	0.1
Cote d'Ivoire	1,500.2	1,780.3	1,780.3	1,900.0	1,938.0	2.0
Libya	5,435.8	5,730.8	6,487.9	5,940.0	5,934.1	-0.1
Mozambique	520.1	97.0	191.0	191.0	191.0	-
Nigeria	5,400.8	14,307.0	15,693.2	18,370.4	18,444.6	0.4
South Africa	4,580.6	4,941.7	4,889.7	4,210.0	4,420.5	5.0
Tunisia	3,310.5	3,760.5	5,318.0	5,423.0	5,191.0	-4.3
Others	3,935.6	4,606.7	5,032.7	5,202.1	5,234.5	0.6
<b>Asia Pacific</b>	<b>616,407.4</b>	<b>639,469.9</b>	<b>658,539.4</b>	<b>680,644.4</b>	<b>682,482.2</b>	<b>0.3</b>
Australia	25,028.0	23,541.0	23,073.0	27,663.0	25,450.0	-8.0
Bangladesh	20,112.8	22,033.1	22,863.2	23,622.0	23,645.6	0.1
Brunei	3,020.4	2,950.4	2,970.4	3,888.0	4,033.0	3.7
China	130,940.5	143,696.3	163,130.1	180,461.6	185,875.4	3.0
India	64,019.1	58,908.3	51,607.3	50,607.2	52,884.5	4.5
Indonesia	37,380.0	39,020.0	42,180.0	41,760.0	40,600.0	-2.8
Japan	126,375.9	126,647.9	127,226.0	124,158.0	122,745.0	-1.1
Malaysia	30,624.3	31,574.5	31,864.5	34,930.0	34,895.1	-0.1
Myanmar	3,340.5	3,530.5	3,048.0	3,540.0	3,717.0	5.0
New Zealand	4,326.6	4,641.7	4,718.7	5,251.0	5,021.0	-4.4
Pakistan	39,155.5	41,265.8	39,975.7	39,070.0	39,550.6	1.2
South Korea	46,466.6	50,791.2	53,162.5	47,587.0	42,960.0	-9.7
Thailand	46,576.6	51,126.9	52,274.3	52,698.1	52,863.5	0.3
Vietnam	7,711.1	8,401.2	8,801.2	11,013.0	11,165.0	1.4
Others	31,329.4	31,341.0	31,644.4	34,395.6	37,076.6	7.8
<b>Total world</b>	<b>3,283,482.0</b>	<b>3,383,365.4</b>	<b>3,434,528.3</b>	<b>3,427,840.1</b>	<b>3,491,327.3</b>	<b>1.9</b>
<i>of which</i>						
OPEC	458,481.0	492,506.0	509,350.0	531,968.7	549,450.9	3.3
<i>OPEC percentage</i>	<i>14.0</i>	<i>14.6</i>	<i>14.8</i>	<i>15.5</i>	<i>15.7</i>	
OECD	1,581,761.7	1,611,992.1	1,631,532.9	1,601,717.5	1,628,047.5	1.6
FSU	624,169.6	629,278.1	620,216.4	591,965.0	596,866.6	0.8

**Table 8.7**

Natural gas data

LNG carrier fleet in OPEC Members (1,000 cu m)

	2011		2012		2013		2014		2015	
	no	capacity	no	capacity	no	capacity	no	capacity	no	capacity
Algeria	9	1,067	9	1,057	9	1,073	9	1,073	9	1,073
Angola	3	249	3	263	3	263	3	263	3	249
Ecuador	–	–	–	–	–	–	–	–	–	–
Indonesia	4	424	4	424	4	424	4	424	4	424
IR Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	24	3,346	24	3,346	24	3,346	13	1,738	5	767
Qatar	29	5,610	29	5,610	29	5,610	29	5,610	29	5,610
Saudi Arabia	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	8	1,096	8	1,096	8	1,096	8	1,096	8	1,096
Venezuela	–	–	–	–	–	–	–	–	–	–
<b>OPEC</b>	<b>77</b>	<b>11,792</b>	<b>77</b>	<b>11,796</b>	<b>77</b>	<b>11,812</b>	<b>66</b>	<b>10,204</b>	<b>58</b>	<b>9,220</b>
Total world	357	51,683	360	52,006	378	54,545	410	59,699	443	64,573
<i>OPEC percentage</i>		<i>22.8</i>		<i>22.7</i>		<i>21.7</i>		<i>17.1</i>		<i>14.3</i>

Notes:

Figures as at year-end.

**Table 8.8**

World LNG carrier fleet by size and type (1,000 cu m)

	2011		2012		2013		2014		2015	
	no	capacity	no	capacity	no	capacity	no	capacity	no	capacity
up to 19,999	20	183	21	199	23	208	23	208	23	208
20,000–39,999	1	23	1	23	1	23	1	23	5	137
40,000–59,999	–	–	–	–	–	–	–	–	–	–
60,000–99,999	9	684	9	684	9	684	9	684	9	684
100,000 and over	327	50,792	329	51,100	345	53,630	377	58,784	406	63,544
<b>Total world</b>	<b>357</b>	<b>51,683</b>	<b>360</b>	<b>52,006</b>	<b>378</b>	<b>54,545</b>	<b>410</b>	<b>59,699</b>	<b>443</b>	<b>64,573</b>

Notes:

Figures as at year-end.

## Main gas pipelines in OPEC Members, 2015

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
<b>Algeria</b>			
Alrar/Hassi R'Mel (3)	Sonatrach	2 x 597, 330	2 x 42, 48
Hassi R'Mel/Skikda – El Kala	Sonatrach	433	48
Hassi R'Mel/Skikda (2)	Sonatrach	2 x 357	2 x 42
Hassi R'Mel/O-Safsaf	Sonatrach	—	48
Hassi R'Mel/El Aricha	Sonatrach	324	48
Hassi R'Mel/Arzew - Beni Saf	Sonatrach	321	48
Hassi R'Mel/Arzew (4)	Sonatrach	315, 316, 2 x 318	2 x 40, 24/22, 42
Hassi R'Mel/Arzew – Beni Saf	Sonatrach	272	42
<b>Angola</b>			
Segmetnt A/NB-S WYE	Chevron	20	20
Segment B/NB-S WYE	Chevron	39	22
TL/NB-S WYE	Chevron	19	14
AOKA-PLTG58306/NB-S WYE	Esso	62	18
EL-2/NB-S WYE	Total	42	16
FG451/NB-S WYE	Total	20	12
PLEM 3 A/PLEM 2A	Total	27	24
PLEM 2A/Tie in Point in 20m WD	Total	45	24
Linha de Transporte de Gas/Tie in Point in 20m WD	BP	44	12
<b>Ecuador</b>			
Amistad Platform (Offshore)/Bajo Alto	Petroamazonas EP	44	13
<b>Indonesia</b>			
Arun/Belawan	PT Pertagas	211	24
Balongan/Kandang Haur Timur	PT Pertagas	21	14
Beringin/Limau Timur	PT Pertagas	17	10
Betung/Prabumulih	PT Pertagas	26	20
Bitung/Cilegon	PT Pertagas	46	24
Cambai/Simpang Y	PT Pertagas	36	14, 2 x 20
Cilamaya/Citarik	PT Pertagas	13	18, 24
Citarik/Tegal Gede	PT Pertagas	28	24, 32
Grissik/Duri	TGI (PT PGN Subsidiary)	333	28
Grissik/Pagardewa	PT PGN	122	36
Grissik/Singapore	TGI (PT PGN Subsidiary)	292	28
Kandang Haur Timur/Cilamaya	PT Pertagas	37	14, 18
KIM/KEK Sei Mangke	PT Pertagas	86	12
Lembak/Simpang Y	PT Pertagas	31	14
Nagrak/Bitung	PT Pertagas	32	24
ORF Porong/Gresik	PT Pertagas	33	28
P Brandan/Wampu	PT Pertagas	32	12, 18

**Table 8.9**

Natural gas data

## Main gas pipelines in OPEC Members, 2015

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
<b>Indonesia (cont'd)</b>			
Pagardewa/Bojonegara	PT PGN	230	32
Pagardewa/Muara Bekasi	PT PGN	268	32
Pagerungan/ORF Porong	PT Pertamina	230	28
Rambutan/Betung	PT Pertamina	13	16
Simpang Y/PUSRI	PT Pertamina	18	12, 14
SKG Mundu/PLTG Mundu Sunyaragi	PT Pertamina	20	8
Tegal Gede/Nagrak	PT Pertamina	17	24
Teras/Rambutan	PT Pertamina	14	14
Tj. Santan/SKG Bontang	PT Pertamina	25	16
Wampu/Belawan	PT PGN	19	16
<b>IR Iran</b>			
Asaluyeh/Lushan	NIGC	734	33
Asaluyeh/Aghajari	NIGC	313	56
Asaluyeh/Bid Boland	NIGC	306	56
Asaluyeh/Iranshahr	NIGC	560	56
Asaluyeh/Naeen	NIGC	489	56
Asaluyeh/Saveh	NIGC	712	56
Bid Boland/Qom/Qazvin/Rasht/Astara	NIGC	685	42/40
Kangan/Gazvin	NIGC	646	56
Kangan/Pataveh	NIGC	262	56
Saveh/Miandoab	NIGC	292	40, 48
Tehran/Dasht-e-Shad	NIGC	327	42, 48
<b>Iraq</b>			
AGP connection/Hilla-2 PWR St	OPC	25	24
Al-Ahdeb/Al-Zubaydia PWR St	OPC	73	16
Baiji/Al-Mashriq	OPC	131	18
Baiji/Al-Qaiem	OPC	268	16
Khor Al-Zubair/Hartha PWR St	OPC	48	24
Kirkuk/Baiji	OPC	90	24
Kirkuk/North Oil	OPC	21	18
Kirkuk/Taji	OPC	272	16
Mishraq cross road/Mousil PWR St	OPC	38	12
North Rumaila/Khor Al-Zubair	OPC	54	42
Rumaila/Nasiriyaha PWR St	OPC	134	24
Strategic Pipeline/Al-Najaf PWR St	OPC	23	16
Strategic Pipeline/Hilla PWR St	OPC	45	16
Strategic Pipeline/Kabesa Cement	OPC	24	10
Taji/South Baghdad PWR St	OPC	35	18



## Main gas pipelines in OPEC Members, 2015

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
<b>Iraq (cont'd)</b>			
Trans-Iraqi dry gas pipeline/Daura PWR St	OPC	29	18
Trans-Iraqi dry gas pipeline/Najaf PWR St	OPC	74	24
<b>Kuwait</b>			
Khafji offshore/Khafji onshore (2)	KJO	68	12, 42
Wafa/KOC booster station <sup>2</sup>	WJO	38	18
<b>Libya</b>			
Brega/Al Khums	Sirte Oil	399.9	34
Mellitah/Gela (Italy)	Green Stream	335	32
Wafa/Mellitah (2)	Mellitha Oil & Gas	2 x 326	16, 32
Brega/Benghazi	Sirte Oil	152.52	34
Intisar/Zueitina	Zueitina	136.4	20
Intisar/Brega <sup>1</sup>	Zueitina	129	42
Nasser/Brega	Sirte Oil	107	36
Bu Attifel/Intisar (2)	Mellitha Oil & Gas, Eni Oil	2 x 82	34, 10
Tripoli/Mellitah <sup>1</sup>	Sirte Oil	71	34
Faregh/Intisar	Waha	68	24
Waha/Nasser	Waha	68	24
Al Khums/Tripoli <sup>1</sup>	Sirte Oil	68	34
Bahr es Salam/Mellitah (2)	Mellitha Oil & Gas	2 x 68	10, 36
Nasser/KM-81.5	Sirte Oil	57	30
KM-91.5/Brega (2)	Sirte Oil	2 x 57	16, 36
Raguba/KM-110	Sirte Oil	55	20
KM-81.5/Brega	Sirte Oil	51	30
Jakhira/Intisar (2)	Wintershall	2 x 50	8, 20
Intisar/Sahl	Sirte Oil	50	30
Sahl/KM-81.5	Sirte Oil	30	30
Attahaddy/KM-91.5 (2)	Sirte Oil	2 x 16	12, 30
Bouri offshore/Bahr Es Salam (2)	Mellitha Oil & Gas	2 x 12	4, 10
<b>Nigeria</b>			
Ajaokuta/Obajana	Nigerian Gas Company	56	18
Aladja pipeline system/Aladja	Nigerian Gas Company	65	6, 8, 14, 16
Alagbado/Ewekoro (WAPCO)	Nigerian Gas Company	17	6
Alagbado/Ota-Agbara distribution (SNG)	Nigerian Gas Company	25	24
Alagbado/Ota-Agbara distribution (SNG)	Nigerian Gas Company	25	24
Alakiri/Ikot-Abasi (ALSCON)	Nigerian Gas Company	73	24
Escravos/WGTP	Nigerian Gas Company	36	36
Ewekoro node/Abeokuta (GDZ)	Nigerian Gas Company	20	18
Ikpe Anang/EHGC (UNICEM)	Nigerian Gas Company	67	24

**Table 8.9**

Natural gas data

## Main gas pipelines in OPEC Members, 2015

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
<b>Nigeria (cont'd)</b>			
Imo River/Aba (SPDC)	Nigerian Gas Company	20	12
Int Scrapper station/Ikot-Abasi (ALSCON)	Nigerian Gas Company	23	24
Kew Metal/Ogijo	Nigerian Gas Company	63	6
KP 331/Itoki	Nigerian Gas Company	25	24
Oben/Ajaokuta	Nigerian Gas Company	123	24
Oben/Geregu (PHCN)	Nigerian Gas Company	123	20/24
Oben/Sapele (PHCN)	Nigerian Gas Company	22	18
Obiafu gas plant (GTS-1)/Ubeta node (GTS-1)	Nigerian LNG Ltd	18	24
PS 4 (Itoki)/Ibese	Nigerian Gas Company	21	18
Rumuji Node (GTS-1)/NLNG Bonny	Nigerian LNG Ltd	53	36
Soku Gas Plant (GTS-1)/Rumuji node (GTS-1)	Nigerian LNG Ltd	25	28
Ubeta node (GTS-1)/Rumuju node (GTS-1)	Nigerian LNG Ltd	21	28
Utorogu/Ughelli (PHCN)	Nigerian Gas Company	22	1
Warri/Egbin node (PS4)	Nigerian Gas Company	214	30
WGTP/WRPC	Nigerian Gas Company	36	36
<b>Qatar</b>			
BRZ-WHPs/Ras Laffan landfall	BRZ	84	32
DOL-1/Ras Laffan landfall	Dolphin/Del	82	36
NF B-PU/Ras Laffan landfall	Qatar Gas	78	32
PEARL-1/Ras Laffan landfall	Shell	58	30
PS-2 Offshore/PS-1 offshore	QP	20	6
PS-3 Offshore/PS-1 offshore	QP	37	10
PS-4/Ras Laffan Landfall (2)	QP	2 x 77	12, 34
Qatargas (-4, -6, -7, -8)/Ras Laffan landfall	Qatar Gas	3 x 73, 91	3 x 38, 34
Ras Laffan/Mesaieed	QP	135	20
Ras Laffan/NFGP (2)	QP	2 x 137	12, 34
Ras Laffan/United Arab Emirates	Dolphin/DEL	363	48
Ras Laffan: Station V/Station S (2)	QP	2 x 124	2 x 36
Ras Laffan: Station V/Station T3	QP	87	36
Rasgas (-4, -6, -7, -8)/Ras Laffan landfall	Ras Gas	4 x 98	4 x 38
RG-A/Ras Laffan landfall	Ras Gas	90	32
<b>Saudi Arabia</b>			
Abqaiq/Yanbu	Saudi Aramco	741	48
UBTG-1/Berri (2)	Saudi Aramco	2 x 155	56, 36/38/40/42
UBTG-1/AY-1 KP 916	Saudi Aramco	152	56
UBTG-1/Ju'aymah	Saudi Aramco	127	28/30/38/40
Safaniya/Ju'aymah	Saudi Aramco	123	40
AY-1 KP 943/Riyadh	Saudi Aramco	95	48

## Main gas pipelines in OPEC Members, 2015

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
<b>Saudi Arabia (cont'd)</b>			
Tanajib/Berri	Saudi Aramco	90	30
Abqaiq/Berri	Saudi Aramco	85	24/36
Haradh/Uthmaniya (2)	Saudi Aramco	77, 87	24/32, 48
UA-1/Uthmaniya	Saudi Aramco	62	24/32
Hawiyah/UBTG-1	Saudi Aramco	35	56
Ju'aymah/Jubail	Saudi Aramco	35	30/38/40
Abqaiq/Shedgum	Saudi Aramco	33	42
Waqr/Haradh	Saudi Aramco	31	30
Hawiyah/Uthmaniyah	Saudi Aramco	29	32
Qatif North/Berri	Saudi Aramco	28	32
Tinat/Haradh	Saudi Aramco	27	20
Haradh/Hawiyah (3)	Saudi Aramco	3 x 27	30
Aindar/Shedgum	Saudi Aramco	21	12
Depco/Abqaiq	Saudi Aramco	20	40
<b>United Arab Emirates</b>			
ABK/USCC	ABK	26	30
Al Ain/Fujirah	Dolphin	108	24
Maqtaa/Jebal Ali	Dolphin	70	48
Maqtaa/Oman	Dolphin	93	30
Maqtaa/Taweelah	Dolphin	31	36
Mubarraz field/Mubarraz terminal	ADOC	22	14
TABK/Umm Shaif field	ADMA OPCO/TABK	27	30
Taweelah/Fujirah	Dolphin	152	48
Umm Shaif Field/Das Island (2)	ADMA OPCO	22, 24	2 x 46
Zakum field/Umm Shaif field	ADMA OPCO	40	18
Zirku Island/Das Island (2)	ADMA OPCO/ZADCO	2 x 27	2 x 10
<b>Venezuela</b>			
Anaco/Barquisimeto	PDVSA	1,453	8, 10, 12, 16, 20, 26, 30, 36
Anaco/Puerto La Cruz, Margarita	PDVSA	364	12, 16, 20, 26, 36
Anaco/Puerto Ordaz	PDVSA	484	16, 20, 26, 36
Compressor plant Orocuai/Plant Jusepin	PDVSA	15	16
ICO Pipeline	PDVSA	164	30/36
Mulata/Sota St	PDVSA	72	26
Quiriquire/Jusepin	PDVSA	32	20
San Genaro de Boconoito/Obispo	PDVSA	27	12
Santa Barbara/Aguasay	PDVSA	41	36
SUA pipeline	PDVSA	222	16/20
Trans-Caribbean pipeline	PDVSA	126	26

## Notes:

1. Under construction.
  2. Pipeline length is estimated.
- .../... — Pipeline with changing diameter.