

Oil and natural gas extraction data

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Climate Mitigation Services
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OMV Group, Austria

www.omv.com Vienna

yellow column indicates original reported units Investor-owned

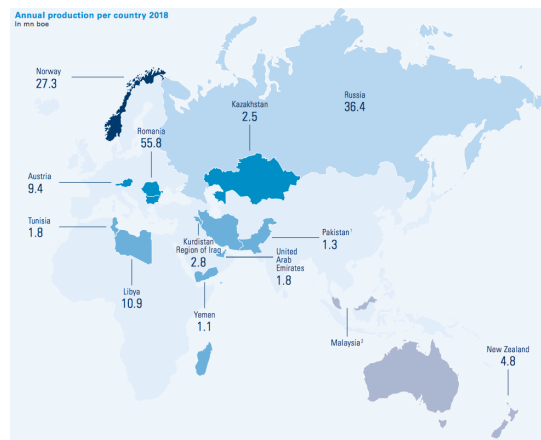
Production / Extraction data

| Year | Crude Oil & NGL | | | Natural Gas | | | Background data | |
|------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-----------------|--|
| | Net production | Net production | Net production | Net production | Net production | Net production | | |
| | Million bbl /yr | Million bbl /yr | Million bbl /yr | Billion cf/yr | Billion cf/yr | Billion cf/yr | | |



Production

| | 2017 | | | 2016 | | |
|--------------------------|--------------------------|----------------------------------------------|--------------------|--------------------------|----------------------------------------------|--------------------|
| | Oil and NGL in mn bbl | Natural gas ¹ in bcf in mn boe | Total in mn boe | Oil and NGL in mn bbl | Natural gas ¹ in bcf in mn boe | Total in mn boe |
| Romania ² | 25.0 | 181.6 | 33.6 | 26.3 | 185.4 | 34.3 |
| Austria | 4.6 | 34.2 | 5.7 | 5.1 | 31.2 | 5.2 |
| Kazakhstan ² | 2.3 | 1.3 | 0.2 | 2.8 | 1.6 | 0.3 |
| United Kingdom | - | - | - | 0.3 | 0.9 | 0.2 |
| Norway | 18.7 | 61.6 | 10.3 | 17.1 | 51.4 | 8.6 |
| Libya | 9.1 | - | - | 0.3 | - | - |
| Tunisia | 1.9 | 2.9 | 0.5 | 2.5 | 3.4 | 0.6 |
| Pakistan | 0.2 | 15.3 | 2.6 | 0.2 | 20.7 | 3.5 |
| Yemen | - | - | - | - | - | - |
| Kurdistan Region of Iraq | 0.9 | 11.2 | 1.9 | - | - | - |
| New Zealand | 2.9 | 20.0 | 3.3 | 3.3 | 20.3 | 3.4 |
| Russia | - | 19.8 | 3.3 | - | - | - |
| Total | 65.6 | 347.9 | 61.3 | 57.9 | 314.9 | 55.9 |

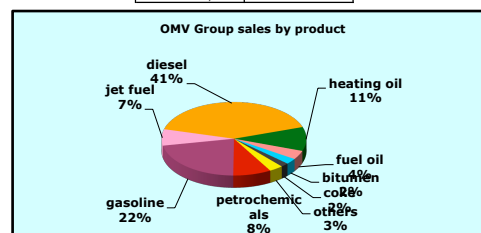


OMV 2018: Annual Production by country

¹ To convert gas from scf to boe, the following conversion factor was applied in all countries: 1 boe = 6,000 scf; except for Romania, where the following was used: 1 boe = 5,400 scf
² As OMV holds 51% of OMV Petrom, it is fully consolidated and figures include 100% of OMV Petrom's production volumes

OMV Annual Report 2017, page 71.

| Product sales | Percent of total |
|---------------|------------------|
| 2010 | 2010 |
| 1,000 t | |
| 2,080 | 8.5% |
| 5,338 | 21.8% |
| 1,766 | 7.2% |
| 9,949 | 40.6% |
| 2,582 | 10.5% |
| 955 | 3.9% |
| 614 | 2.5% |
| 433 | 1.8% |
| 759 | 3.1% |
| 24,476 | 100.0% |



| OGJ 100 | OGJ 100 |
|-------------|---------|
| million bbl | Bcf |
| 52 | 296 |
| 59 | 291 |
| 52 | 296 |

| Year | million bbl | million bbl | Bcf | Bcf |
|------|-------------|-------------|-------|-----|
| 1997 | 15.1 | 15 | 40.0 | 40 |
| 1998 | 15.8 | 16 | 43.7 | 44 |
| 1999 | 19.2 | 19 | 47.9 | 48 |
| 2000 | 20.0 | 20 | 51.5 | 52 |
| 2001 | 19.8 | 20 | 52.3 | 52 |
| 2002 | 19.5 | 20 | 52.6 | 66 |
| 2003 | 28.5 | 29 | 91.2 | 91 |
| 2004 | 27.7 | 28 | 109.3 | 109 |
| 2005 | 26.9 | 27 | 104.0 | 104 |
| 2006 | 61.6 | 62 | 317.6 | 318 |
| 2007 | 59.8 | 60 | 321.6 | 318 |
| 2008 | 60.9 | 61 | 308.0 | 308 |
| 2009 | 62.6 | 63 | 297.2 | 297 |
| 2010 | 63.4 | 63 | 295.1 | 295 |
| 2011 | 52.2 | 52 | 295.4 | 295 |
| 2012 | 59.2 | 59 | 290.6 | 291 |
| 2013 | 54.9 | 55 | 279.9 | 280 |
| 2014 | 57.8 | 58 | 309.7 | 310 |
| 2015 | 55.4 | 55 | 309.5 | 310 |
| 2016 | 57.9 | 58 | 314.9 | 315 |
| 2017 | 65.6 | 66 | 347.9 | 348 |
| 2018 | 66.5 | 67 | 518.2 | 518 |

| | | | | | | |
|--------------|----|---|------------|----|---|--------------|
| Total | na | - | 970 | na | - | 4,811 |
|--------------|----|---|------------|----|---|--------------|

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q |
|-----|---|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
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| 90 | | Five-Year Summary | | | | | | | | | | | | | | | |
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OMV Annual report 2018

Production

| | 2018 | | | 2017 | | |
|--------------------------|-------------|--------------------------|-------------|-------------|--------------------------|-------------|
| | Oil and NGL | Natural gas ¹ | Total | Oil and NGL | Natural gas ¹ | Total |
| | in mn bbl | in bcf | in mn boe | in mn bbl | in bcf | in mn boe |
| Romania ² | 24.6 | 168.7 | 31.2 | 25.0 | 181.6 | 33.6 |
| Austria | 4.3 | 30.9 | 5.2 | 4.6 | 34.2 | 5.7 |
| Kazakhstan ² | 2.2 | 1.7 | 0.3 | 2.3 | 1.3 | 0.2 |
| United Kingdom | - | - | - | 0.0 | 0.0 | 0.0 |
| Norway | 17.1 | 60.9 | 10.1 | 18.7 | 61.6 | 10.3 |
| Libya | 10.9 | - | - | 9.1 | - | - |
| Tunisia | 1.3 | 2.9 | 0.5 | 1.9 | 2.9 | 0.5 |
| Pakistan ³ | 0.1 | 7.0 | 1.2 | 0.2 | 15.3 | 2.6 |
| Yemen | 1.1 | - | - | - | - | - |
| Kurdistan Region of Iraq | 0.9 | 11.6 | 1.9 | 0.9 | 11.2 | 1.9 |
| United Arab Emirates | 1.8 | - | - | - | - | - |
| New Zealand | 2.1 | 16.0 | 2.7 | 2.9 | 20.0 | 3.3 |
| Russia | - | 218.4 | 36.4 | - | 19.8 | 3.3 |
| Total | 66.5 | 518.2 | 89.5 | 65.6 | 347.9 | 61.3 |

OMV Annual report 2018, page 65.

Exploration and Production

| | 2010 | 2009 | 2008 | 2007 | 2006 |
|-----------------------------------------------|--------------|--------------|--------------|--------------|--------------|
| Production¹ | | | | | |
| Crude oil and NGL production in mn bbl | 63.4 | 62.6 | 60.9 | 59.8 | 61.6 |
| Petrom | 33.3 | 33.5 | 34.4 | 34.0 | 35.6 |
| Austria | 6.1 | 6.4 | 6.1 | 6.2 | 6.3 |
| Northwestern Europe | 1.7 | 1.4 | 1.8 | 2.6 | 3.3 |
| North Africa | 14.3 | 13.5 | 15.7 | 14.6 | 13.3 |
| Middle East | 2.4 | 2.3 | 1.2 | 0.6 | 0.1 |
| Australia/New Zealand | 5.5 | 5.5 | 1.7 | 1.8 | 1.0 |
| Natural gas production in bcf | 295.1 | 297.2 | 308.0 | 321.6 | 317.6 |
| Petrom | 182.3 | 188.2 | 198.3 | 205.2 | 211.0 |
| Austria | 55.6 | 50.1 | 46.1 | 48.9 | 46.6 |

Cell: H9

Comment: Rick Heede:

"OMV (originally ÖMV for "Österreichische Mineralölverwaltung", meaning Austrian mineral oil authority) is Austria's largest oil-producing, refining and gas station operating company with important activities in other Central European countries. It is Austria's largest listed industrial company (concerning turnover) and one of the largest integrated oil and gas groups in Central Europe. ÖMV originated in 1956 as a joint-stock company. In 1960, the company commissioned the Schwechat refinery near Vienna. International activities of ÖMV started in 1985 with exploration and production activities in Libya. In 1990 ÖMV extended its activities into retail sales, inaugurating its first filling station, followed by the first filling station abroad (in Hungary) in 1991. In 1995 the company changed its name from ÖMV to OMV. Between 2002 and 2005 OMV made several significant acquisitions. In 2002 it bought 25.1% of the shares in Rompetrol Group. In 2003 it took over the international portfolio of Preussag Energie and 45% of Bayernöl-Raffinerieverbund. One year later it acquired 51% of the Romanian oil and gas group Petrom SA (as of 2012 the largest acquisition in OMV's history). In 2005, OMV sold its stake in the Rompetrol Group and together with IPI of Abu Dhabi acquired petrochemical company Borealis. In June 2006, OMV established the OMV Future Energy Fund for identifying projects in the field of renewable energy, providing assistance with their implementation and financing.[2] In 2007 OMV tried to take over Hungarian oil company MOL, but had to withdraw its merger proposal in 2008.[3] In 2008, OMV and Gazprom co-operated to develop the Central European Gas Hub, based on the Baumgarten underground gas storage, into a leading hub platform in continental Europe and to establish a gas exchange there for trading on spot and futures markets for gas products." en.wikipedia.org/wiki/OMV

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Comment: Rick Heede:

Total net worldwide crude oil plus natural gas liquids produced by each company or state-owned enterprise. Where data is available, we list net production. Crude production includes natural gas liquids (NGL) unless noted.

Cell: H12

Comment: Rick Heede:

Natural gas is typically reported as dry gas; natural gas liquids are reported under crude oil. Carbon dioxide is normally removed from the gas flow at the production site (see "Vented Carbon Dioxide"). "SCM/d" = standard cubic meters per day. "cf/d" = cubic feet per day. Net production typically excludes a number of diverted gas streams. Quantities and fractions vary; ExxonMobil's exclusions are probably typical of the industry: "Net production available for sale quantities are the volumes withdrawn from ... natural gas reserves, excluding royalties and volumes due to others when produced, and excluding gas purchased from others, gas consumed in producing operations, field processing plant losses, volumes used for gas lift, gas injections and cycling operations, quantities flared, and volume shrinkage due to the removal of condensate or natural gas liquids production." ExxonMobil Corporation (2004) 2003 Financial and Operating Review, www.exxonmobil.com, p. 55.

Cell: D67

Comment: Rick Heede:

OGJ100 data match OMV's for 2006-2007.

Cell: D72

Comment: Rick Heede:

OMV Group In Figures 2010, page 12.

Cell: D77

Comment: Rick Heede:

OMV Group in Figures 2013, xls.

Cell: D82

Comment: Rick Heede:

OMV Annual Report 2017, page 71. By region (see chart on this page). Oil & NGL, and natural gas for 2016 and 2017.

Cell: D84

Comment: Rick Heede:

OMV Annual report 2018, page 65. Oil and NGL in Mb.

Cell: H84

Comment: Rick Heede:

OMV Annual report 2018, page 65. Natural gas, in Bcf.

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