

Cell: 19

Comment: Rick Heede:

The company was created in 1997 when British Gas plc divested Centrica and became BG plc, which was reorganised in 1999 as BG Group plc. BG Group plc is a British multinational oil and gas company headquartered in Reading, United Kingdom. It has operations in 25 countries across Africa, Asia, Australasia, Europe, North America and South America and produces around 680,000 barrels of oil equivalent per day. It has a major Liquefied Natural Gas (LNG) business and is the largest supplier of LNG to the United States. As at 31 December 2009 it had total proven commercial reserves of 2.6 billion barrels (410,000,000 m3) of oil equivalent. (Wikipedia)

BG Group Profile. bg-group.com: BG Group is a world leader in natural gas, with a strategy focused on connecting competitively priced resources to specific, high-value markets. Active in more than 20 countries on five continents, BG Group has a broad portfolio of business interests focused on exploration and production and liquefied natural gas. It combines a deep understanding of gas markets with a proven track record in finding and commercialising reserves. While our headquarters are in United Kingdom (UK), the majority of our 6 000+ employees. drawn from more than 70 nationalities, work outside the UK.

Cell: E27

Comment: Rick Heede (Jan10):

See BG table (in Data Book 2004, p. 49) in 2003: eg vented CO2 totals 0.622 MtCO2 + 0.411 MtCO2 from flaring vs methane: 0.138 MtCO2e (vented CH4) and 0.023 MtCO2e (flagitive CH4) and 0.070 MtCO2e (flaring CH4), plus 1.30 MtCO2e (CH4 T&D losses...?). All at CH4 at 21xCO2. CMS calc of total methane vs CO2 sources: methane 73,714 tonnes CH4 = 1.55 MtCO2e s total CO2 of 3.90 million, total GHG 5.45 MtCO2e, of which methane is 28.4 percent of total BG GGH emissions in 2003. Note that BG is chiefly gas production, plus LNG, plus electricity generation, etc.

• 6/5/06 - Heede: Also re: British Gas:

Cell: J29

Comment: Rick Heede:

CMS assumes that the data from the Parliamentary inquiry is correct, and further assumes that the proportion of production to sales (160 Bcf / 1,091 Bcf = 0.147) can be applied to sales data reported for 1963-1973; see notes below.

Cell: 139

Comment: Rick Heede:

CMS received data via the UK Parliament, 22May06:

British Gas

Alan Simpson: To ask the Secretary of State for Trade and Industry how much natural gas was produced by the British Gas Corporation in each year of its existence. [65886]

22 May 2006 : Column 1447W

Malcolm Wicks: The British Gas Corporation (BGC) existed from 1973 to 1986. During this period BGC had various gas production interests, as an operator or through an interest in production licences in the Rough, Morecambe South and Indefatigable fields; the extent of the interests varied between the different fields and through time. Full details are not readily available from the Department of Energy 'Brown Books' but the total production from these fields was: (data follows below for 1973-1986 in million cubic metres - presumably per annum).

Cell: J39

Comment: Rick Heede:

Bristish gas Corporation report and accounts 1973, p. 10, shows sale of 2.8 Bcf per day, or 1,022 Bcf for 1973. The "supplies and operations" section mentions exploration activities, but no data on production; "Gas available" totaled 11,171 million therms, or 1,091 Bcf. The report suggests own production from oil- and coal-based gas and purchases primarily of natural gas, but unclear of source. CMS assumes that the data from the Parliamentary inquiry is correct, and further assumes that the proportion of production to sales (160 Bcf / 1,091 Bcf = 0.147) can be applied to sales data reported for 1963-1973; see above.

Cell: H47

Comment: Rick Heede:

Gas production data 1981-1990 from BG (1991) Annual Report, p. 14. While the units are unclear, using billion cubic meters per year to Bcf/yr leads to a discontinuity with OGJ data by a factor of ~15 to one. Hence we assume data is shown in million bbl of oil equivalent, as the company data is in later years, at a conversion ratio of 1 mmboe = 5.6585 Bcf.

Earlier annual reports do not show production data at all; instead show sales data in therms, landings, plant capacities, etc.

Cell: M50

Comment: Rick Heede:

British Gas, Prospects and Pricing, Nov86, p. 62, forecasts equity production 1986-1995. This is substantially smaller quantities than the data supplied by Alan Simpson MP, May06; CMS relies on the later data, which also fits the Oil & Gas Journal data for 1991.

Cell: E54

Comment: Rick Heede:

Oil and gas production for 1988-1995 from OGJ (various) OGJ100. No mention of BG Group in 1987 or 1996-2001.

Cell: D65

Comment: Rick Heede:

From BG Group data book 2004, pp. 53. Data for 1999-2003.

El data differs significantly (68 million bbl in 2000, and 77 million bbl in 2001). Oil and gas production data from Energy Intelligence (2003) Top 100: Ranking the World's Oil Companies, p. 108.

Cell: H66

Comment: Rick Heede:

British Gas, annual report for 2003, p.6, shows gas production in million bbl of oil equivalent (at 6 Bcf per mmboe). This conversion is made in column J. Gross or net production is not specified.

Cell: L66

Comment: Rick Heede:

Oil and gas production data from Energy Intelligence (2003) Top 100: Ranking the World's Oil Companies, p. 108.

Cell: F72

Comment: Rick Heede:

BG (2009) Statistical Rpt, page 47. Roughly 50/50 oil and liquids.

Cell: H72

Comment: Rick Heede:

BG (2009) Statistical Rpt, page 47. Data in million bbl ofoil equivalent.

Cell: J74

Comment: Rick Heede:

BG Group AR 2010, pg 139, updated 2008 value