

# **Gas Deregulation Report**

## **Global 2008**

**Ed 4 2008**



# The Gas Deregulation Report Ed 4 2008

## Introduction

In the last edition of this report we listed a series of problems affecting the market. It is increasingly apparent that deregulating energy markets is not easy. The path is full of pitfalls and very few countries which have embarked in this course are now where they thought they would be. Three regions of the world provide many valuable lessons in privatisation and liberalisation, Europe, North America and South America. Some countries in each of these regions were the first to embark on energy market liberalisation and provide many case histories, some with successful and a few with disastrous outcomes. Another interesting factor in Europe and the US is the combination of local and central markets; in the US federal versus state and in Europe national versus the EU. Market deregulation has given an impetus to the emergence of a small number of very large players which are increasingly dominating national markets and, some believe, threatening competition.

In 2006 Western Europe produced 11% of the world's natural gas, the bulk of it from the North Sea, and consumed 19% of the global total. 40% of imports came from Russia and 13% from Algeria, with 35% being exported from Norway and the Netherlands to other European countries. The energy profiles of the various European countries vary widely. The European energy markets have been subject to extensive legislation, introduced by the EU for the 15 old members and extended with varying degrees of compliance negotiated with the 10 new members who joined in 2004, and the 2 candidate countries. This applies both to electricity and gas. With a final round of opening in July 2007, only five countries out of 27 do not have fully open gas markets.

Liberalisation of the natural gas industry has run in parallel with the liberalisation of the electricity sector but with distinct differences. There have been two Gas Directives, in 1998 and 2003, and a further report to be followed by action in 2008. The key provisions of the 1st EU Gas Directive, 1998 were to establish the following conditions; non discriminatory access to gas infrastructure, unbundling of accounts of monopoly activity, market opening timetable, and dispute settlement authority. In 2003 the 2nd European Gas Directive was enacted, to address some key weaknesses in the 1st Directive and it was decided that an independent regulator must be set up in every country. The Benchmarking studies showed that significant progress still remained to be made for full compliance and progress within Member States is significantly behind that for electricity. It become clear that although market liberalisation has progressed different countries are not playing on a level playing field. With the exception of the UK, Europe has been much slower to liberalise its gas markets and deregulation is lagging behind targets set by the EU.

## Outline of the report

- The Gas Deregulation Report outlines the progress of gas market deregulation and privatisation in every continent
- It outlines the situation of each of the countries with gas markets
- An overview of the global gas sector
- An extensive series of tables, charts and graphics are contained in the report

*\*Also available with this report a comprehensive list of global regulators including - country, region, regulator name, address, tel, fax and email (where available).*

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## Table of Contents

1.0 Executive Summary.....	6	
Overview.....		6
2.0 The gas sector.....	17	
Overview.....		17
3.0 World survey of gas privatisation and deregulation .....	22	
4.0 Europe .....	27	
4.1 Overview.....		27
4.2 Western Europe.....		36
Austria.....		36
Belgium.....		41
Cyprus .....		44
France.....		45
Germany.....		51
Greece.....		56
Ireland.....		59
Italy .....		62
Malta .....		67
Netherlands .....		68
Portugal .....		72
Spain.....		75
Switzerland.....		79
United Kingdom.....		82
5.0 Nordic Countries .....	87	
Denmark.....		87
Finland.....		90
Norway.....		93
Sweden.....		96
6.0 Central Europe .....	98	
Czech Republic .....		98
Hungary .....		101
Poland.....		104
Romania .....		107
Slovak Republic.....		110
Slovenia.....		113
7.0 The Baltic States .....	116	
Overview.....		116
Estonia.....		118
Latvia .....		120
Lithuania.....		122
8.0 CIS.....	124	
Azerbaijan.....		124
Belarus.....		126
Kazakhstan .....		128
Russia.....		130
Turkmenistan .....		138
Ukraine .....		140
Uzbekistan.....		144
9.0 Southeast Asia (ASEAN).....	145	
Japan.....		145

Korea, South.....	148
Taiwan .....	150
China .....	152
Brunei .....	155
Indonesia .....	156
Malaysia .....	159
Philippines .....	161
Singapore .....	163
Thailand.....	166
Vietnam.....	167
10.0 Indian Sub-Continent.....	168
Bangladesh.....	168
India .....	170
Pakistan.....	174
11.0 Asia Pacific .....	177
Australia.....	178
New Zealand .....	184
12.0 North America.....	189
Overview.....	189
United States .....	191
Canada .....	202
Mexico .....	207
13.0 South America and the Caribbean .....	209
Argentina .....	209
Bolivia .....	212
Brazil.....	214
Chile.....	217
Colombia .....	219
Ecuador .....	220
Peru .....	221
Trinidad and Tobago .....	222
Venezuela.....	223
14.0 Middle East.....	224
Bahrain .....	224
Iran.....	225
Kuwait.....	226
Oman.....	226
Qatar.....	226
Saudi Arabia.....	227
United Arab Emirates .....	228
15.0 Africa.....	229
Overview.....	229
Algeria.....	229
Egypt.....	230
Libya .....	231
Morocco.....	232
Nigeria .....	232
South Africa .....	233
Glossary.....	234
Sources.....	241

## Table of Figures

Figure 4.1.1: Production, imports, exports, consumption of natural gas in Europe, Bcm, 2005 .....	27
Figure 4.1.2: Consumption of natural gas, 1965 to 2006 by region .....	29
Figure 4.1.3: Gas and electricity consumption in Western Europe .....	31
Figure 4.1.4: European gas pipeline network .....	35
Figure 5.1: Market share for Norwegian gas .....	94
Figure 12.1: Canadian and US Natural Gas Pipelines .....	190
Figure 12.2: Over half the states have started residential restructuring programmes .....	194
Figure 12.3: Retail unbundling of gas markets - US summary December 2004 .....	196

## Table of Tables

Table 2.1: The countries producing and consuming natural gas 2006, Bcm .....	17
Table 2.2: Uses of natural gas for domestic non-export consumption .....	20
Table 3.1: World survey of gas privatisation and deregulation .....	22
Table 4.2.1: Principle Natural Gas Companies of Austria .....	40
Table 4.2.2: Principle Natural Gas Companies of Belgium .....	43
Table 4.2.3: Principle Natural Gas Companies of France .....	49
Table 4.2.4: Principle Natural Gas Companies of Germany .....	54
Table 4.2.5: Principle Natural Gas Companies of Greece .....	58
Table 4.2.6: Principle Natural Gas Companies of Ireland .....	61
Table 4.2.7: Timetable for Italian deregulation enacted in the Decree of 23 May, 2000 .....	63
Table 4.2.8: Principle Natural Gas Companies of Italy .....	66
Table 4.2.9: Principle Natural Gas Companies of Netherlands .....	71
Table 4.2.10: Principle Natural Gas Companies of Portugal .....	74
Table 4.2.11: Principle Natural Gas Companies of Spain .....	78
Table 4.2.12: The chronology of the privatisation of British Gas .....	82
Table 4.2.13: Principle Natural Gas Companies of United Kingdom .....	86
Table 5.1: Principle Natural Gas Companies of Denmark .....	89
Table 5.2: Principle Natural Gas Companies of Sweden .....	97
Table 6.1: Principle Natural Gas Companies of Czech Republic .....	100
Table 6.2: Principle Natural Gas Companies of Hungary .....	103
Table 6.3: Principle Natural Gas Companies of Poland .....	105
Table 6.4: Principle Natural Gas Companies of Romania .....	109
Table 6.5: Principle Natural Gas Companies of Slovak Republic .....	111
Table 6.6: Principle Natural Gas Companies of Slovenia .....	115
Table 7.1: Principle Natural Gas Companies of Estonia .....	119
Table 7.2: Principle Natural Gas Companies of Latvia .....	121
Table 7.3: Principle Natural Gas Companies of Lithuania .....	123
Table 8.1: Principle Natural Gas Companies of Russia .....	137
Table 8.2: Principle Natural Gas Companies of Ukraine .....	143
Table 11.1: The major natural gas players in the States and Territories .....	179
Table 11.2: Deregulation of electricity and gas timetable in Victoria .....	180
Table 11.3: Deregulation of electricity and gas timetable in New South Wales .....	181
Table 11.4: Deregulation of electricity and gas timetable in Queensland .....	182
Table 11.5: Deregulation of electricity and gas timetable in South Australia .....	182
Table 11.6: Deregulation of gas timetable in Western Australia .....	183
Table 11.7: Deregulation of electricity and gas timetable in ACT .....	183
Table 12.1: Eligibility and Participation: State public utility commissions .....	198
Table 12.2: The Federal Energy Authorities .....	206
Table 12.3: Provincial and Territorial Departments or Regulatory Boards .....	206

## 3.0 World survey of gas privatisation and deregulation

Table 3.1: World survey of gas privatisation and deregulation

	Gas industry ownership	Degree of gas market opening
<b>North America / NAFTA</b>		
United States	Private	Partially deregulated
Canada	Mixed Crown, Province, private	Partially deregulated
Mexico	Mixed state and private	Partially deregulated
<b>Western Europe</b>		
Austria	Mixed state, municipal, private	100% to retail customers
Belgium	Mixed municipal, private	100% to retail customers
Cyprus	No consumption of natural gas, only LPG	
France	Mixed state and private	100% to retail customers
Germany	Mixed municipal, private	100% to retail customers
Greece	State owned	60% open, 100% in 2009
Ireland	Mixed state and private	100% to retail customers
Italy	State company has been unbundled and privatised	100% to retail customers
Malta	No consumption of natural gas, only LPG	
Netherlands	Unbundled and privatised	100% to retail customers
Portugal	Partial privatisation	Has not met EU Directive
Spain	Private	100% to retail customers
Switzerland	Private , municipal	Prices se by discos
United Kingdom	Private	100% to retail customers

Continued on next page

# 10.0 Indian Sub-Continent

## Bangladesh

### Overview

Bangladesh has small reserves of oil and coal but potentially very large natural gas resources. Twenty two gas fields have been discovered in Bangladesh. Fifteen of these have been brought into production. Natural gas is Bangladesh's only significant source of commercial energy. Natural gas exports are controversial within Bangladesh as many people feel that the gas resources should first be used for domestic purposes.

Major foreign energy companies active in gas exploration and development in Bangladesh include Shell, and Unocal, which operates in Bangladesh through its wholly owned subsidiary, Unocal Bangladesh, Ltd.

Bangladesh does not export natural gas. Some private companies in Bangladesh import LPG in cylinders. These companies have their own LPG storage facilities in their bottling plants. There is currently no LNG import or LNG storage facilities.

Besides foreign energy companies, natural gas in Bangladesh is being produced by two subsidiaries of state energy company Petrobangla Sylhet Gas Fields Ltd. and Bangladesh Gas Fields Co. Ltd. These two companies produce gas for domestic consumption. More than 80% of gas is consumed for power and fertiliser production, and the remainder by industry and households.

### Transmission and distribution

Gas is supplied by state-owned distribution companies. Titas Gas Transmission and Distribution Company Limited (TGTDC), Bakhrabad Gas Systems Limited (BGSL), Jalalabad Gas Transmission and Distribution Systems Limited (JGTDSL) are the major gas distribution companies and Paschimanchal Gas Company Limited (RPGCL) has commenced CNG supply in Bangladesh. At present there is no private sector company operating gas distribution pipeline systems. IOCs supply gas to the domestic grid. The distribution companies are currently supplying gas in franchise areas granted by the Government, Petrobangla or BERC.

Petrobangla distributes gas to various customers through its marketing companies. At present there are 4 marketing companies operating in their respective franchise areas.

### Deregulation and reform

The Bangladesh Energy Regulatory Commission, BERC, is the regulator.

Bangladesh's natural gas demand is expected by some independent analysts to grow by around 6% annually over the next two decades. Potential uses for natural gas in Bangladesh include petrochemicals, compressed natural gas (CNG) for vehicles, power generation, and fertiliser.

While the majority of large enterprises remain under state control, Bangladesh has been moving towards a market-oriented economy since the mid-1970s. In an attempt to diversify its economy away from agriculture, industrial development has been made a priority.

Bangladesh is attempting to attract foreign investment, and has established export processing zones (EPZs) in Chittagong (the country's major port), Dhaka and Comilla. Exports of natural gas could provide an additional revenue source, but the issue remains controversial, and no final decision has been made. Although cotton textiles and garments account for about 80% of Bangladeshi exports, the impact of the end of textile quotas under the Multi-Fiber Arrangement in January 2005 has been moderate.

Continued on next page

## Bangladesh, Continued

### **Deregulation and reform** (continued)

Bangladesh's Ministry of Energy and Mineral Resources (MEMR) has overall responsibility for the country's energy sector, with policy formation and investment decisions under its control. Within MEMR, the "Power Cell" acts as a single point of contact to facilitate the electricity reform and restructuring process, such as development of Independent Power Projects (IPPs).

There are no statutory regimes prescribing terms of service for transportation of gas. The transportation of natural gas is usually covered under the terms of the PSC or subsequently fixed by the government.

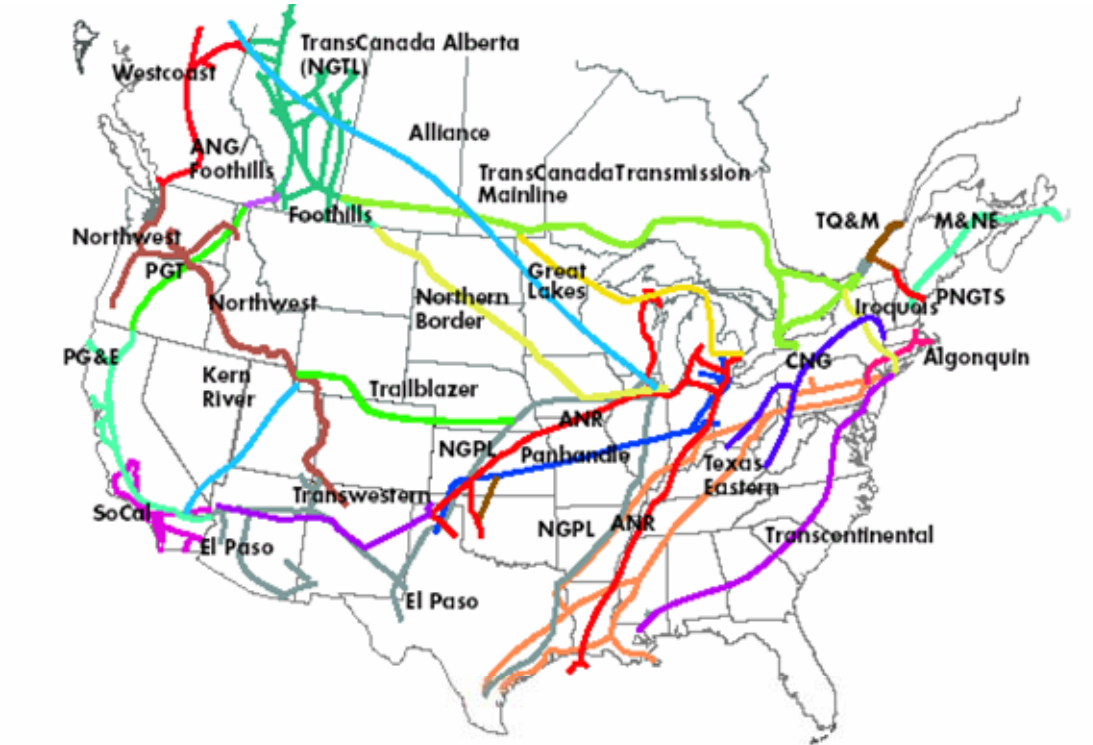
Prices for distribution services are regulated under the gas supply contracts signed between a gas distribution company and the consumer. The prices are capped by the government.

The gas companies under Petrobangla operate practical monopolies. There is hardly any competition between the companies and therefore no requirement for laws to regulate anti-competitive practices.

Any company or individual with the required license or permission can engage in the business of supply and trading of gas.

## Overview, Continued

Figure 12.1: Canadian and US Natural Gas Pipelines



### Trans-continental gas transport (continued)

The local distribution companies (LDCs) are regulated by state and provincial regulatory boards or commissions or directly by a provincial government. Gas storage is an important element of the gas transportation system and is located in both producing and consuming regions of North America. When production exceeds demand, usually in the summer season, producers will deliver the excess gas to storage sites and will withdraw it to supplement production when demand is high, usually in the winter heating season. Storage facilities are also used for pipeline load balancing, supply security (e.g. in the event of pipeline rupture) and price risk management.

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