

Table 3.1.1

Electricity market opening

Year	Threshold GWh/year	% of market open
1995		0
1997		0
1999	40	28
2001	0	100
2003	0	100
2005	0	100
2007	0	100

Table 3.1.3**Regulation of network companies**

charges as at June 2005

	Number of regulated companies	Approx. network access charge (EUR/MWh)			Interruptions (minutes lost per consumer and year)
		Ig	Ib	Dc	
Transmission ¹	3	n.a.	n.a.	n.a.	
Distribution	133	10.40 ³	51.18	52.72	30,33 ²

¹ included in distribution charges² medium voltage; unplanned SAIDI, 2004³ Please note: This table provides a figure for Ig as of June 2005, as opposed to table 3.2.2a from Annex, which provides a figures for access charge (Ib) as of Jan 2005.

Table 3.1.4**Summary information on unbundling (electricity)**

	Transmission	Distribution
Separate headquarters (Y/N)	partly: TIRAG	N
Separate corporate presentation (Y/N)	Y	partly
Unbundled regulatory accounts with guidelines (Y/N)	N (no guidelines)	N (no guidelines)
Audit of unbundled accounts (Y/N)	Y	Y
Publication of unbundled accounts (Y/N)	Y	Y
Separate board of directors without directors from other group companies? (Y/N)	Y	partly

Table 3.2.1

Evolution of the wholesale market

Data as of May 2005

	Demand		Installed capacity (GW)	No. of companies with >5% generation	Market shares of largest three generation companies	HHI (where available) ⁴	
	Total (TWh)	Peak (GW)				All plant, by capacity	All plant, by volume
	1	2	3	4 5	4 5	4 5	5 6
2001	52,2	8,667	18,158	5	56,2%	1863	3225
2002	52,9	8,717	17,815	5	56,2%	1870	3110
2003	55,2	8,744	18,100	5	55,6%	1816	2508
2004	56,7	8,962	18,697	5	54,0%	1716	2589

¹ Public domestic consumption excluding pumped storage

(inc. own use by generating stations and distribution systems, as well as network losses)

² Peak load on third Wednesday of month

Public domestic consumption excluding pumped storage

since 2002: only autoproducer with installed capacity of at least 5 MW

³ Total installed capacity (public installed capacity n.a.)

⁴ Percentage of total installed capacity (public installed capacity n.a.)

⁵ Energieallianz and Verbund treated as separate entities

⁶ Calculation base: percentages of public domestic consumption excluding pumped storage

Table 3.2.1a

Volume of electricity traded (TWh)

	Total consumption ¹	Traded on spot PX market ²	Traded on forward PX market	OTC trading
2002	52,9	0,6	not applicable	n.a.
2003	55,2	1,3	not applicable	n.a.
2004	56,7	1,7	not applicable	n.a.

¹ Public consumption excluding pumped storage

² Traded on EXAA (2002 only April-December)

Table 3.2.2

Evolution of the retail market

	Total public consumption (TWh) ²	No. of companies with >5% retail market	Number of <u>fully</u> independent suppliers ¹	Market share of three largest companies			Cumulative switching rate by volume		
				Large and very large industrial	Small-medium industrial and business	Very small business and domestic	Large and very large industrial ^{5,8}	Small-medium industrial and business ^{6,8}	Very small business and domestic ^{7,8}
2001	52,2	5	4	75% ⁴	70% ⁴	70%	2%	1%	0,0%
2002	52,9	5 ⁴	4	60% ³	60% ³	60% ³	9%	9%	1,6%
2003	55,2	5 ⁴	4	60% ³	60% ³	60% ³	11%	17%	2,7%
2004	56,7	5 ⁴	4	60% ³	60% ³	60% ³	29%	29%	4,0%

¹ Ownership fully independent from Austrian network companies, inc. foreign suppliers supplying power from branches abroad

² Public consumption excl. pumped storage

³ More than 60% (no supply market data available since 2001)

⁴ Estimate

⁵ Interval metered consumers with consumption of over 5 GWh

⁶ Interval metered consumers with consumption of up to 5 GWh

⁷ Non interval metered consumers

⁸ Post-liberalisation year (October year 0 - September year 1)

Table 3.2.2a

Breakdown of current prices in cts. / kWh = EUR/ 100kWh

Charges as of January 2005 and July 2005

	Ig Jan 05	Ib July 05	Dc July 05
Network charges (excl. levies) *	1,13	5,12	5,27
Levies included in network charges	0,00	0	0,00
Energy costs and supply margin	3,56	3,87	3,87
Taxes (inc. all levies)	3,40	2,2	4,38
Total (inc, all taxes and levies)	8,09	11,19	13,52

Dc Arithmetic average of network tariffs, taxes, levies and energy price of cheapest supplier (inc. discounts) of 3 provinces (Vienna, Upper Austria, Tyrol) as of June 2005

Ib Arithmetic average of network tariffs, taxes, levies and energy prices of cheapest supplier (inc. discounts) of 3 provinces (Vienna, Upper Austria, Tyrol) as of June 2005

Ig Arithmetic average of network tariffs, taxes, levies and energy prices of cheapest supplier (inc. discounts) of 3 provinces (Vienna, Upper Austria, Tyrol) as of January 2005; source of energy price: E-Control survey, industrial

* Attention: the value for Ig here dates Jan 2005 as opposed to IB and Dc which dates July 2005!

Table 4.1.1
Gas market opening

Year	Threshold GWh/year	% of market open
1995	no eligible customers	0
1997	no eligible customers	0
1999	no eligible customers	0
from 10.8.2000 ¹	* gas-fired generating stations	49
	* customers with an annual demand > 25m cu m	
2001	* gas-fired generating stations	49
	* consumers with annual demand > 25m cu m	
from 1.10.2002 ²	all customers eligible	100
2003	all customers eligible	100
2005	all customers eligible	100
2007	all customers eligible	100

¹ Natural Gas Act 2000, FLG I 121/2000

² Natural Gas (Amendment) Act 2002, FLG I 148/2002

Table 4.1.3
Regulation of network companies

	Number of regulated companies	Approx. network access charge EUR/cu m			Interruptions minutes lost per consumer and year
		I4	I1	D3	
Transmission - transit ¹	0 ¹	n.a.	n.a.	n.a.	n. a.
Transmission - national transport	5		0.00088 ²	0.0013 ²	n. a. ³
Distribution	19				n. a. ³

n.a.: not available

¹ Access to transit pipelines is not regulated; number of transit companies: 3

² Due to cost reallocation (postalised tariffs) no separate transmission tariff for national transports. Cost of domestic transmission included in distribution tariff via cost reallocation. Tariffs in the table reflect the average transportation fee (system use + metering charge) as of 1Jan. 2005; determination of average transportation fee based on results calculated by E-Control tariff calculator and restricted to the Vienna grid area (as requested by Eurostat); no consumers in category I4-1 in the Vienna grid area.

³ Survey to commence in 2005

Table 4.1.5

Summary information on unbundling (gas) ¹

	Transmission (transit) ²	Transmission (domestic)	Distribution
Separate headquarters (Y/N)	Y	* <i>Energie Allianz</i> ³ , <i>Econgas</i> ⁴ , STGW: Y * <i>remaining</i> : predominantly N	
Separate corporate identity (Y/N)	Y	* <i>Energie Allianz</i> ³ , <i>Econgas</i> ⁴ : Y * Other: network companies often do have a separate company name but this name may still be linked to the integrated company. At present separate websites are not the rule and even if there is one it is often linked to the site of the integrated company.	
Unbundled regulatory accounts with guidelines (Y/N)	N [6]	N ⁶ N	
Audit of unbundled accounts (Y/N)	N	No regulatory audit of accounting unbundling but separate audit aimed at avoiding cross-subsidisation as part of the regulatory cost assessment.	
Publication of unbundled accounts (Y/N)	N [5]	N	N
Separate board of directors without directors from other group companies? (Y/N)	Y	partly	partly

¹ Relating to separation of grid activities from supply activities

² Negotiated TPA

³ Merger of 5 gas- and electricity suppliers in Control Area East (EVN AG, WIENENERGIE, BEGAS, Linz Strom, Energie AG OÖ)

⁴ Merger of four gas suppliers restricted to supply of industrial customers in Eastern Control Area (EVN, Wien Energie, Begas, OMV Gas GmbH, Oberösterreichische Ferngas and Linz Gas Wärme GmbH)

⁵ Directive 2003/55/EC and the Austrian Natural Gas Act only include the obligation to maintain (not publish) separate accounts

⁶ No rules by regulator concerning unbundling of accounts; unbundled accounts are, however, obligatory by law (e.g. commercial law)

Table 4.2.1
Evolution of the wholesale market

	Demand ³		Production ²	Import capacity (bn cu m/year)			No. of companies with >5% production and import capacity	No. of companies with >5% available gas	Market shares of largest three gas wholesalers	
	Total (bn cu m)	Peak (bcm/year)	bn cu m	Total	Reserved transit ¹	Reserved other LT				Unreserved
2001	7,76		2,26				approx. nil	2		80%
2002	7,86		2,27				approx. nil	2		80%
2003	8,55		1,89				approx. nil	2	4	80%
2004	8,58		1,96	36.11	approx. 22	approx. 22	approx. nil	2	4	80%

¹ Most important transit systems TAG and WAG nearly 100% committed capacity

² Production and storage saldo

³ Supply to end-users (excluding own use and metering deviations)

Table 4.2.1a
Volume of gas traded (bn cu m)

	Total consumption ¹	Traded in spot hub market	Traded in forward hub market	OTC trading
2002	7.86	nil no market	n.a. ²	n.a. ²
2003	8.55	min 0.25 (gas release)	n.a. ²	n.a. ²
2004	8.58	min 0.25 (gas release)	n.a. ²	n.a. ²

n.a. - not available

¹ Supply to end-users (excluding own use and metering deviations)

² Market activity not visible to the regulator

Table 4.2.2

Evolution of the retail market

Year	Total consumption (bn cu m) ²	No. of companies with >5% retail market	Number of <u>fully</u> independent suppliers ¹	Market shares of three largest companies				Year ⁷	Cumulative % customers having changed supplier (by volume)			
				Generating stations	Large and very large industrial	Small-medium industrial and business	Very small business and household		Generating stations	Large and very large industrial	Small-medium industrial and business	Very small business and household
2001 ³	7,76	n.a.		n.a.				20013	0			0
2002 ⁴	7,86	n.a.						2002/03 ⁴	0,3% ⁵			0,9% [6] [H 0,5%, SU 2,9%]
2003	8,55	4	5					2003/04	5,6% ⁵			4,3% [6] [H 1,3, SU 19,9]
2004	8,58	4	6									

n.a.: not known

¹ Totally independent from system operation activities (excluding legally unbundled supply companies; restricted to retail companies)

² Supply to end-users (excluding own use and metering deviations)

³ Eligible customers starting from 10 August 2000: all gas-fired generating stations and consumers with annual demand > 25 mcm

⁴ 100% market opening as at 1 October 2002

⁵ Interval metered consumer category; separate data for power stations, large and very large industrial, small-medium industrial and business not available

⁶ Households (H) and other small users (SU); aggregated data for households and very small businesses not available

⁷ Post-liberalisation year (October year 0 - September year 1)

Table 4.2.2a
Breakdown of currently prices

	I4-1 ¹	I1 ¹	D3 ¹
Network charges (excl. levies)		0,0097	0,0143
Levies included in network charges		0,0017	0,002
Energy costs and supply margin		0,0171	0,0177
Taxes		0,0129	0,014
Total (including all taxes)		0,0414	0,0481

¹ Due to cost reallocation (postalised tariffs) no separate transmission tariff for domestic transports. Tariffs in the table reflect the average transportation fee (system use + metering charge) as of 1 Jan. 2005; determination of average transportation fee based on results calculated by E-Control tariff calculator and restricted to the Vienna grid area (as required by Eurostat); no customers in category I4-1 in the Vienna grid area.
 Transit fees: n.a. (not regulated)

Table 5.1

Security of supply over time

	Peak electricity demand (GW) ¹	Available capacity (GW)	Planned new capacity (GW)		Completed new capacity less retirements (GW)					
			authorised	under construction	Coal and oil	Gas	RES 2	CHP 3	Nuclear	
2000	9,22	18,24	n.a.	n.a.						0,00
2001	9,34	18,16	n.a.	n.a.			-	0,08		0,00
2002	8,91	17,81	n.a.	n.a.	0,30	-	0,19	0,14		0,00
2003	8,97	18,10	n.a.	n.a.				0,29		0,00
2004	8,96	18,70	0,04	0,59			0,10	0,50		0,00
2005	9,27	19,02	1,89	0,04						
2006**	9,58	19,08	0,06	1,90						
2008**	10,19	20,90	0,09	0,06						
2010**	10,50	22,01	-	0,09						

1

1*

2

3

¹ Peak demand excluding pumped storage

Peak domestic load on three Wednesdays excluding use for pumped storage

1* Total installed capacity

² Estimate

³ Included in "other"

** Estimate for 2010: 10.0-10.5 GW

Table 5.2
Security of supply over time (gas)

	Total gas demand ⁴ (bn cu m)	Production capacity (bn cu m)	Pipeline import capacity (bn cu m)	LNG import capacity ¹ (bn cu m)	Forthcoming new capacity (bcm)	
					Authorised	Under construction
2000	7.27	1.49 ⁵	domestic: '5.78	0		
2004	8.58	1.96 ⁵	domestic: '6.62 domestic + transit: '36.11 ⁶	0		
2005	x ³	1.85 ⁷	planned - no exact data available	0	Planned capacity expansions (domestic transport, transit, storage); no authorisation and/or start of construction by now	
2006 est	increase 0.5% (base year 2005) ²	1.85 ⁷		0		
2008 est	increase 10% (base year 2006) ²	1.85 ⁷		0		
2010 est	increase 19% (base year 2006) ²	2.47		0		

¹ No LNG in Austria

² Estimated; source: control area manager's long-term plan (Eastern control area); July 2005 estimate subject to implementation of projects for gas-fired power stations and accuracy of demand forecast for 2005

³ No final data for 2005 available (demand growth forecast)

⁴ Supply to end-users (excluding own use and metering deviations)

⁵ Production and net storage withdrawal

⁶ Physical; including transit (no separate data available)

⁷ Estimated; source: control area manager's long-term plan (Eastern control area); estimate as of July 2005

Table 6

Retail price regulation¹

	Electricity			Gas			
	Large and very large	medium industrial and commercial	Small business and household	Generating stations	Large and very large	medium industrial and commercial	Small business and household
Regulated tariffs (Y/N)	N	N	N	N	N	N	N
% of consumers subject to regulated tariffs	nil	nil	nil	nil	nil	nil	nil
Option of switching back to regulated tariffs (Y/N)	x ²	x ²	x ²	x ²	x ²	x ²	x ²
Number of suppliers covered by obligation to supply at tariff	nil	nil	nil	nil	nil	nil	nil

¹ Energy price

² No regulated energy prices