

WEEKLY GAS MARKET ANALYSIS



AUSTRALIAN ENERGY
REGULATOR

27 June – 3 July 2010

Preface

As part of its monitoring roles for the National Gas Market Bulletin Board (Bulletin Board) and Victorian Gas Market, the AER publishes a weekly gas market report. Part A of the report looks at gas usage and flows of registered facilities in southern and eastern Australia (as reported on the Bulletin Board). Part B provides a summary of operational and market data in the Victorian Gas Market.

This report will evolve over time and the nature of information presented may change. The AER welcomes feedback on the report from interested parties. Feedback can be sent to aer inquiry@ aer.gov.au, and headed 'Comments on weekly gas report'.

Summary

National Gas Market Bulletin Board

AEMO failed to provide data for three facilities on the Victorian Principal Transmission on Saturday this week.

Figure 4 shows changes in gas demand and production and pipeline flows compared to the previous week. Total average daily demand for gas increased by 226 TJ (10 per cent) compared to the previous week. This increase was largely driven by the strong gas demand in Victoria. Notably, on 28 June a record high flow of 369.6 TJ was recorded on the South West Pipeline to meet Victorian customer's gas needs.

Significant increases were recorded in Victoria 145 TJ (16 per cent), South Australia 16 TJ (4 per cent) and New South Wales/ ACT 72 TJ (15 per cent). All other regions recorded minor variations.

Total average daily Gas Powered Generation (GPG) gas usage increased by 29 TJ (6 per cent) compared to the previous week. GPG gas usage was steady in Tasmania and Queensland. All other states recorded an increase, New South Wales/ACT by 7TJ (8 per cent), South Australia 9TJ (4 per cent) and Victoria 12TJ (62 per cent).

Average daily production volumes rose by 178 TJ (8 per cent) compared to the previous week. Production volumes at the Otway Basin increased by 67 TJ (17 per cent) with average flows for the week increasing significantly on the South West Pipeline into Melbourne (91 TJ or 45 per cent). The SEA Gas Pipeline into Adelaide also increased (25TJ or 12 per cent), coinciding linepack capacity adequacy (LCA) flags being raised on pipelines delivering gas from the Moomba region. The Moomba to Adelaide Pipeline decreased by 10TJ (7 per cent). However, the South West Queensland Pipeline was up 43TJ (34 per cent) and the Moomba to Sydney Pipeline up 67TJ (25 per cent), despite LCA flags being raised during the week (see 'Additional Information – Bulletin Board LCA flag event').

Victorian Gas Market

In line with the increase in demand in Victoria, average gas injections rose by 133 TJ (14 per cent) compared to the previous week (See Figure V3). The average imbalance price increased from \$2.11/GJ the previous week to \$2.58/GJ. Sunday and Monday saw imbalance prices under \$0.80, with a high of \$3.86 on Wednesday (see Figure V2). This coincided with an increase in zero dollar priced gas offered to the market, and a decrease of all other bids compared to the previous week (see Figure V4). The number of participants rebidding gas at the Iona injection point also increased this week (see Figure V5).

AEMO issued demand overrides on Sunday 27 June (-15 TJ), Monday 28 June (-12 TJ), Tuesday 29 June (9TJ), and Friday 2 July (-10 TJ) (see figure A5).

Supply Point Constraints were applied at the Bass Gas Injection point, restricting flows on the 27 June and 1 July gas days, Iona on 28 and 29 June, SEA Gas on 29 June, and Longford from 29 June to 2 July. Demand Point Constraints were applied at the Culcairn withdrawal point from 27 June to 2 July.

Additional Information – Bulletin Board LCA flag event

During this week line pack capacity adequacy (LCA) flags were changed from “green” status to “amber” or “red” on three pipelines – the Epic controlled South West Queensland Pipeline (SWQP) “red”, the Moomba Adelaide Pipeline (MAP) “amber”, and the APA controlled Moomba Sydney Pipeline (MSP) “amber”. The AER understands from preliminary information that the red flag submitted by Epic on SWQP may have been raised inadvertently. In accordance with the bulletin board procedures, red flags are to be raised if involuntary load shedding is likely or happening whereas amber flags indicate that load shedding of one or more interruptible customers is likely or happening. Otherwise, LCA flags are to remain green.

Load shedding may result from upstream production shortfalls, pipeline problems or higher than expected demand. During this week, there were production issues at the upstream Moomba Gas Production facility as indicated by information submitted by APA on 1 July in relation to flows on MSP: “receipts from Moomba have now stabilised”.

At the time of the LCA flag events, a series of conference calls occurred between parties including pipeline owners, production facilities and state government officers. The AER understands from discussions with parties involved that although flags were raised, no curtailments or outages occurred during the period.

Epic and APA did not provide reasons when changing the pipeline LCA flag status on MAP, and MSP to amber as required under the Bulletin Board Procedures and the AER has made enquiries into these failures. Answers received will form part of the AER’s future quarterly compliance report.

Additional information - 29 June 2010 Victorian gas prices

Low temperatures over the week resulted in an overall increase in gas demand. Prices on the 29 June gas day were the highest over the week (see Figure A4) with the 2 pm price reaching \$5.94/GJ. Prices over the day were influenced by the following:

- weather - cold temperatures and revised weather forecasts (EDD forecasts)
- constraints on the system and gas flows
- rebidding

These are discussed below.

Weather

The temperature reached only 10.8C on the day, the lowest maximum temperature for 2010, and a minimum of 5.7 C. Low temperatures will result in an increase in demand for natural gas. On the day, 1208 TJ was injected into the market, which was the highest volume this winter. The last time injections into the market exceeded 1200 TJ occurred on 10 June 2009 (1210 TJ).

The weather was consistent with the previous 4 days. However the maximum temperature of 10.8C was lower than anticipated. Effective degree day (EDD) alerts or “colder weather alerts” were issued by AEMO to the market indicating the change in forecast to a colder maximum temperature. The changed EDDs may have been one of the factors impacting significant rebidding at the LNG facility on the day (discussed below).

Constraints and gas flows

On 29 June a number of supply point constraints applied on the Victorian system:

- At Iona and SEA Gas, injection capacity was limited to approximately 65% of maximum delivery capability due to a transport capacity constraint on the South West Pipeline
- Longford daily injection volume was limited to 724 TJ (approximately 30 per cent lower than maximum delivery capability)

In combination these supply constraints resulted in the injection of additional LNG to cater for increased demand in the state. To satisfy demand, LNG was scheduled at up to 100 tonnes per hour for the 2 pm scheduling horizon. All of this LNG was scheduled in price merit order.

Rebidding

Prices at 2 pm, 6 pm and 10 pm were heavily influenced by LNG bidding and rebidding.

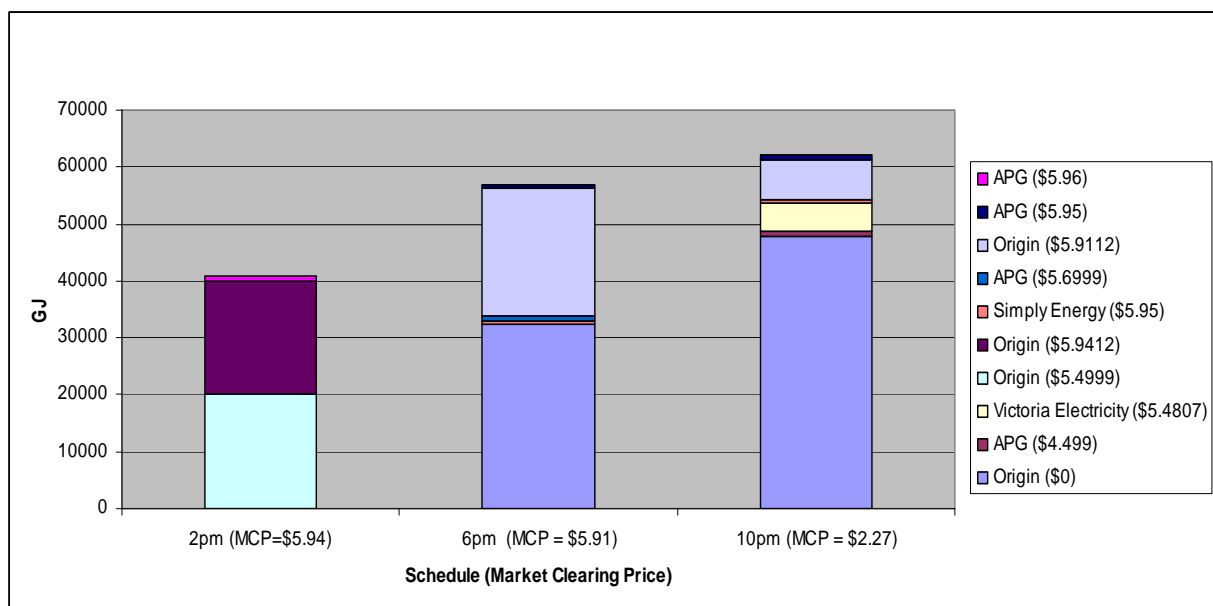
Figure S1 details all LNG bids priced at under \$6/GJ for the 2 pm schedule onwards. The majority of the bidding that resulted in injections and price setting was made by Origin.

Bids for the 2 pm schedule when the price reached \$5.94/GJ comprised of a 20,000 GJ bid at \$5.49, and a further 20,000 GJ bid at \$5.94/GJ, both from Origin. Australian Power and Gas bid 800 GJ at \$5.96, which was above the market clearing price of \$5.94/GJ.

Bids for the 6 pm schedule when the price reached \$5.91/GJ saw a 32,398 GJ zero dollar bid by Origin. APG bid 800 GJ at \$5.69, and Origin re-bid 29,772 GJ of gas for \$5.91, which was also the market clearing price. Simply energy bid 500 GJ at \$5.95, and APG bid 800 GJ for \$5.96. Overall, the 6 pm schedule saw an increase of the volume of LNG scheduled, relative to the 2 pm schedule.

Bids for the 10 pm schedule when the price fell to \$2.27/GJ saw an increase in zero dollar LNG bids for Origin, with 47,830 GJ. Participants made further bids for a total of 14,170 GJ, however as these bids were above the market clearing price of \$2.27 (the lowest after Origin's bid was \$4.49 by APG) none would have been scheduled into the market.

Figure S1: All LNG bids under \$6/GJ from 2pm



Part A: National Gas Market Bulletin Board

Overview of pipeline and production flows

Figure 1 sets out the average daily pipeline flows into each key demand region across the National Gas Market. (A list of pipeline facilities for each demand region is provided in Figure A1 of the Appendix.)

Figure 1: Average daily pipeline flows (TJ) into each demand region

Average daily flows	NSW	ACT	VIC	SA	TAS	QLD		
						Brisbane	Mt Isa	Gladstone
27 June – 3 July	513	54	1070	370	43	184	92	74
Full Financial Year 2009-10	375	21	585	288	39	168	87	71

Source: National Gas Market Bulletin Board <http://www.gasbb.com.au>

Figure 2 provides the average daily amount of gas used for GPG (gas-powered generators) in each state.

Figure 2: Average daily gas (TJ) used by gas-powered generators in each state

Average daily gas for GPG usage [^]	NSW	VIC	SA	TAS	QLD
27 June – 3 July	98	31	226	29	159
Full Financial Year 2009-10	85	36	171	24	162

[^]Estimated values based on application of implied heat rates for generators within the demand region sourced from ACIL Tasman's 2009 Final Report 'Fuel resource, new entry and generation costs in the NEM'
Source: <http://www.aemo.com.au>

Notes: Data for each state collected on the following basis:

1. NSW - Smithfield Energy, Uranquinty, Hunter Valley GT, Colongra and Tallawarra power stations
2. VIC - Laverton North, Valley Power, Jeeralang A, Jeeralang B, Somerton, Bairnsdale, and Newport power stations.
3. SA - Dry Creek GT, Hallet, Pelican Point, Torrens Island, Mintaro, Osborne, Ladbroke Grove, and Quarantine power stations.
4. TAS - Tamar Valley power stations.
5. QLD - Braemar 1, Braemar 2, Roma, Oakey, Barcaldine, and Swanbank power stations.

Figure 3 sets out the daily average flows from production and storage facilities from each production zone across the National Gas Market. (A list of production/storage facilities for each zone is provided in Figure A2 of the Appendix.)

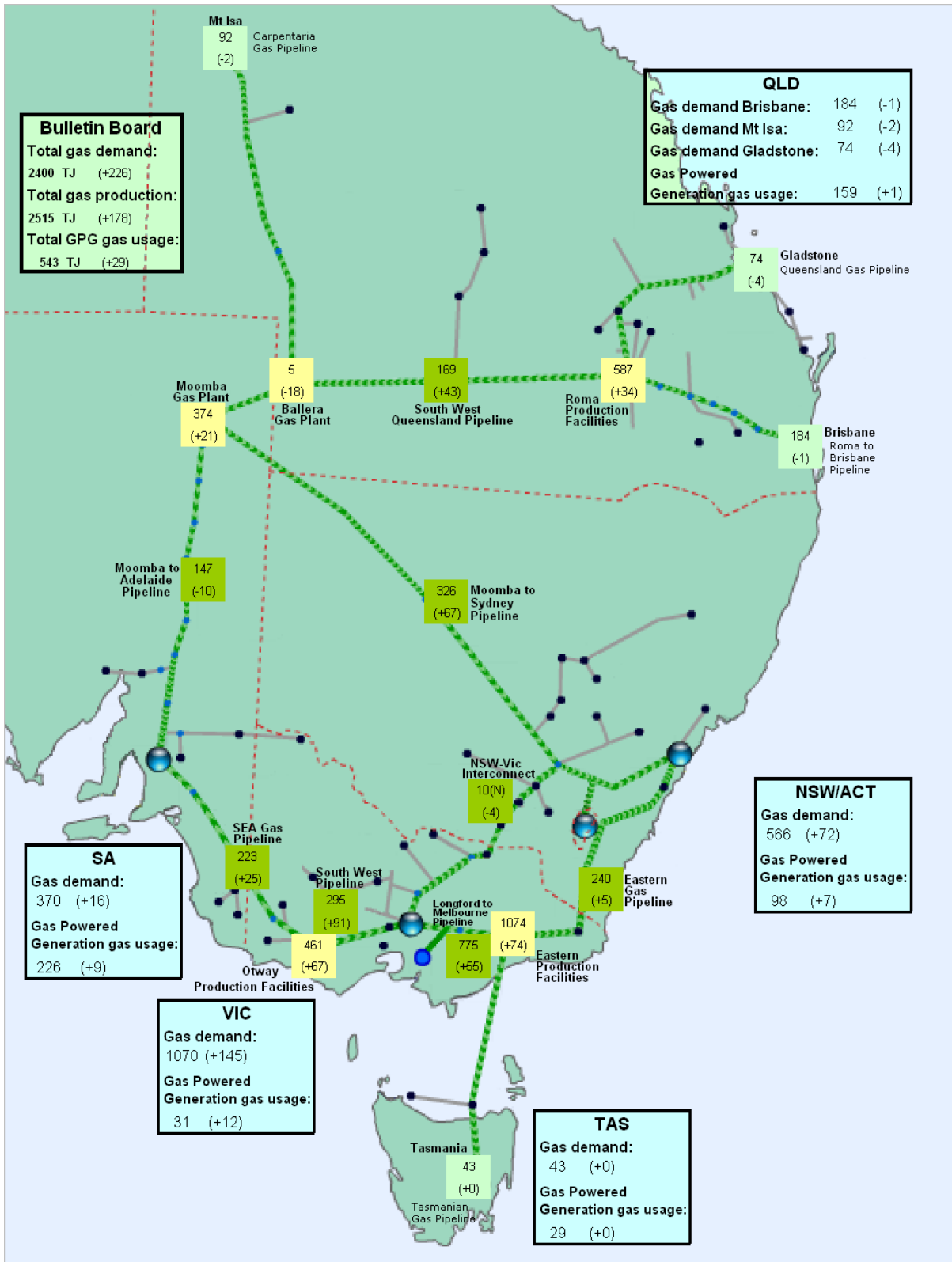
Figure 3: Daily average production flows (TJ) for each production zone

Average daily flows	Roma (QLD)	Eastern Victoria	Otway Basin (VIC)	Moomba (SA/QLD)
20 June – 26 June	587	1074	461	379
Full Financial Year 2009-10	475	692	290	284

Source: National Gas Market Bulletin Board <http://www.gasbb.com.au>

Figure 4 shows the changes in average daily pipeline and production flows compared to the previous week, as well as the gas demand and GPG usage of gas in each region.

Figure 4: Changes in gas demand and production and pipeline flows (TJ)



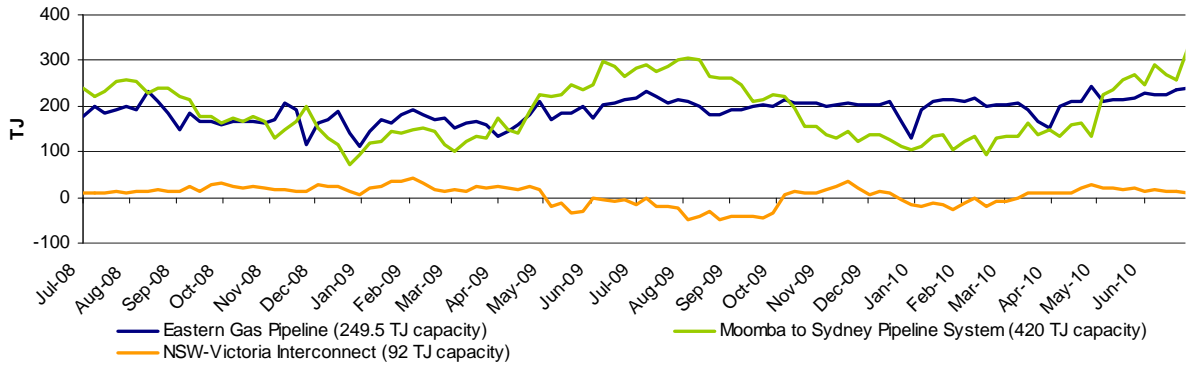
Source: Natural Gas Market Bulletin Board <http://www.gasbb.com.au>

Notes: Direction of aggregate daily flows along the NSW-Vic Interconnect indicated on map by S (South) or N (North).

Gas flows into demand regions

The figures below provide the average daily flows into each of the demand regions served by multiple pipelines and supply sources.

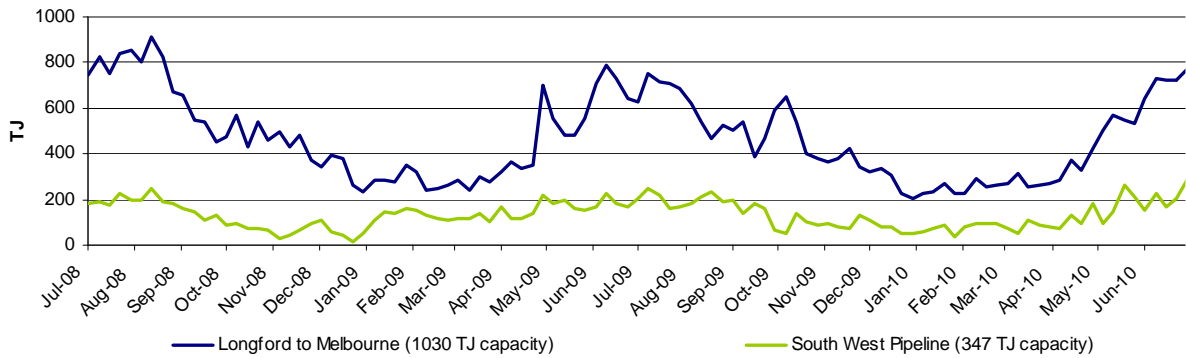
Figure 5: Average daily flows (TJ) into NSW/ACT demand region



Source: Natural Gas Market Bulletin Board <http://www.gasbb.com.au>

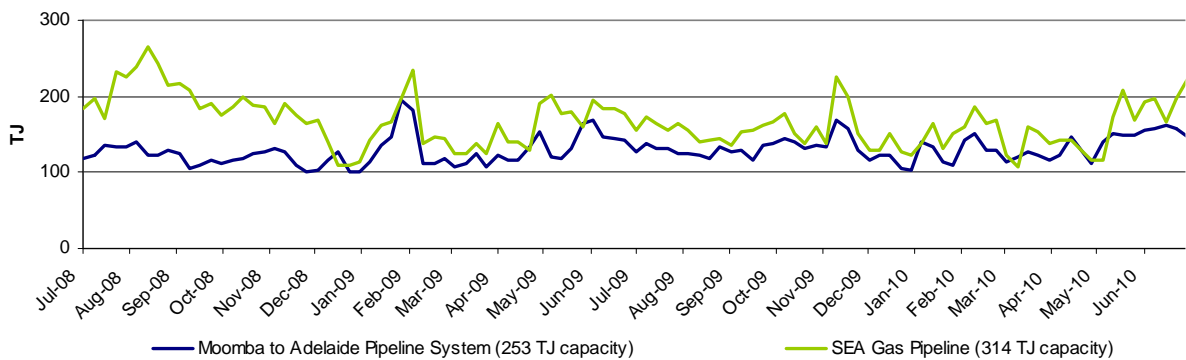
Notes: Negative flows on the NSW-Victoria Interconnect represent flows out of NSW into VIC.

Figure 6: Average daily flows (TJ) into VIC demand region



Source: Natural Gas Market Bulletin Board <http://www.gasbb.com.au>

Figure 7: Average daily flows (TJ) into SA demand region



Source: Natural Gas Market Bulletin Board <http://www.gasbb.com.au>

Part B: Victorian Gas Market

Participation in the market

Figure V1 shows participant bids submitted at the start of the gas day (6am) at injection and withdrawal points on the Victorian Principal Transmission System (VPTS). The orange shaded boxes indicate that the participant submitted bids at that location on at least one occasion during the week. An “S” indicates that some of this nominated gas was scheduled into the gas market, while “NS” indicates that none of the gas was scheduled. Green shading below indicates where a change has occurred from the previous week.

Figure V1: Injection and withdrawal point bids in the VIC Gas Market[^]

Market Participant	Participant type	No. of injection / withdrawal bid points	Injection bids in the VPTS								Withdrawal bids in the VPTS			
			BassGas	Culcairn	IONA	LNG*	Longford	SEA Gas	VicHub	Otway	Culcairn	IONA	SEA Gas	VicHub
AETV Power	Trader	2					S			S				S
AGL (Qld)	Retailer	1				NS								
AGL	Retailer	4		NS	S	NS	S				NS	NS		
Aurora Energy	Retailer	1					S							
Aust. Power & Gas	Retailer	3			S	NS	S					S		
Coogee Energy	Transmission Customer	1					S							
Country Energy	Transmission Customer	1									S			
Energy Australia	Retailer	3			S		S		NS					S
International Power	Transmission Customer	1										S		
Origin (Vic)	Retailer	6	S	NS	S	NS	S	S			S	NS		
Origin (Uranquinty)	Trader	1					S							
Red Energy	Retailer	1					S							
Santos	Retailer	1						S						
Simply Energy	Retailer	4			S	NS	S	NS						
TRU Energy	Retailer	4			S	NS	S		NS			S		NS
Victoria Electricity	Trader	2			S				NS			S		
Victoria Electricity	Retailer	5		NS	S	NS		S	S					
Visy Paper	Distribution Customer	2					S				S			

[^]Bids taken from 6am data for each gas day during the current week.

Source: <http://www.aemo.com.au> (INT131)

Notes: Comparison is approximate since data represents whether bids were under or over the scheduled market clearing price at 6am. Bids are scheduled in price merit order — this means injection bids which are less than the market clearing price will be scheduled, while withdrawal bids which are greater than the market clearing price will be scheduled into the market.

As noted in the summary above there was LNG scheduled this week – however none of this LNG was scheduled at 6am and hence does not appear in the table above. This table shows only the beginning of day (BOD) bids that cleared the market prices set during the week.

Market Prices

Figure V2 displays volume-weighted average daily imbalance prices, compared to the total 2009-10 financial year average. Daily imbalance prices for each day during the current week are also noted.

Figure V2: Imbalance Weighted Prices (\$/GJ)

	27 June – 3 July	20 June – 26 June	2009-10 Financial Year				
Average daily price	2.58	2.11	1.83				

27 June – 3 July	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Daily price	0.79	0.68	3.73	3.86	2.81	2.63	3.59

Source: <http://www.aemo.com.au> (INT 041)

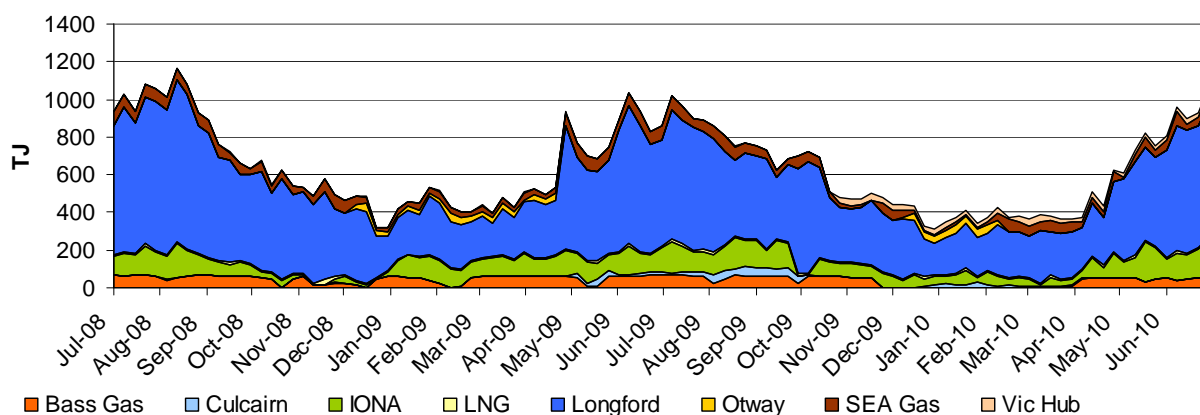
Notes: The daily average market price is a volume weighted imbalance price taking account of trading amounts at five times through the gas day — 6am, 10am, 2pm, 6pm and 10pm.

System Injections

Figure V3 notes the average daily injections into the VPTS for the current week, compared with the total 2009-10 financial year daily averages.

Figure V3: Average daily flows (TJ) from Injection Points on the VPTS

Injection Point:	27 June – 3 July	20 June – 26 June	2009-10 Financial Year
Culcairn	0	0	13
Longford	703	647	389
LNG	13	6	9
IONA	209	157	87
VicHub	26	26	19
SEAGas	67	43	42
Bass Gas	46	51	34
Otway	0	0	7
TOTAL	1064	931	600

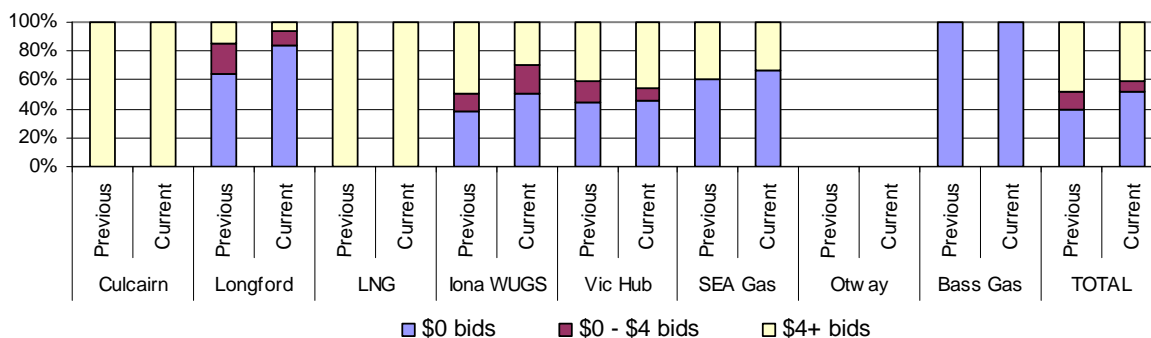


Source: <http://www.aemo.com.au> (INT 150)

Bidding Activity

Figure V4 compares the price structure of gas bid at each of the injection points on the VPTS, within three price bands of \$0/GJ, \$0/GJ to \$4/GJ, and \$4/GJ and above, for the current week and for the previous week.

Figure V4: Price structure of bids by injection points



Source: <http://www.aemo.com.au> (INT 131) - bids submitted for the 6am schedule on each day of the week.

Notes: Figures in the table are rounded off the nearest round number (TJ); the maximum allowable bid is \$800/GJ.

Figure V5 provides a table of injection points on the VPTS where market participants submitted intra-day renominations, for each day of the week.

Figure V5: Intra-day rebidding of gas injections

Injection Point:	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Culcairn			AGL	AGL Vic Elec			
Longford	TRU	AGL TRU			AGL TRU		Origin TRU
LNG		Origin APG	Origin Vic Elec APG Simply	Vic Elec	Origin		
Iona	Origin TRU	Origin TRU APG Vic Elec	AGL Origin TRU APG Vic Elec	AGL Origin TRU APG Vic Elec	AGL Origin APG	Origin APG	Origin TRU APG
VicHub	AETV	AETV	AETV TRU EA	Vic Elec	AETV		AETV
SEAGas		Origin Simply	Simply	Simply	Origin Simply		
Bass Gas							

Source: <http://www.aemo.com.au> (INT 131)

Notes: Origin = Origin Energy | AGL = AGL Sales | TRU = TRUenergy | Simply = Simply Energy | EA = Energy Australia | AETV = AETV Power | APG = Australian Power & Gas | Vic Elec = Victoria Electricity | CE = Country Energy

System withdrawals

Figure V6 notes the average daily gas usage on the VPTS for this week, compared with the total 2009-10 financial year daily average.

Figure V6: Average daily withdrawals (TJ) from system demand zones on the VPTS

System withdrawal zone:	27 June – 3 July	20 June – 26 June	2009-10 Financial Year
Ballarat	51	44	24
Geelong[^]	120	107	82
Gippsland	59	64	45
Melbourne	739	633	393
Northern	97	87	57
TOTAL	1068	936	601

[^]Data presented also includes withdrawals for the Western system withdrawal zone or Western Transmission System (WTS).
Source: <http://www.aemo.com.au> (INT 150).

APPENDIX

Figures A1 and A2 display the daily gas flows from each pipeline and production/storage facility in the National Gas Market over the current week. The nameplate capacity or MDQ (Maximum Daily Quantity) for each facility are also provided, along with the proportion of MDQ used on average over the current week and previous financial year at each facility. Flow data not provided by bulletin board polling time is indicated by N/A.

Figure A1: Daily flows (TJ) for pipeline facilities capacity

Demand zone and pipeline facility	Sun	Mon	Tue	Wed	Thu	Fri	Sat	MDQ (TJ)	YTD average capacity usage* (%)	Current week average daily flows	2009-10 Financial Year average daily flows
QLD											
Carpentaria Pipeline	94	90	89	89	92	95	95	117	80	92	87
QLD Gas Pipeline	83	79	76	75	64	70	73	79	87	74	71
Roma to Brisbane Pipeline	165	175	185	195	196	195	177	219	86	184	168
South West QLD Pipeline	135	170	175	187	172	167	179	181	95	169	138
NSW/ACT											
Eastern Gas Pipeline	231	253	239	263	238	240	219	250	93	240	204
Moomba to Sydney Pipeline	246	352	379	343	350	331	281	420	76	326	193
NSW-VIC Interconnect [^]	10	0	0	10	20	20	N/A	92	22	10	-4
VIC											
Longford to Melbourne	755	798	798	792	731	777	N/A	1030	73	775	441
South West Pipeline	203	370	359	290	315	232	N/A	347	79	295	131
SA											
Moomba to Adelaide Pipeline	151	156	166	149	151	138	123	253	54	147	133
SEA Gas Pipeline	185	240	220	239	246	239	192	314	72	223	156
TAS											
Tasmanian Gas Pipeline	48	50	43	37	38	41	48	129	33	43	39

*Average daily estimated gas consumption measured from 1 July 2010 to the current week (inclusive)

[^]Negative figure represents a reverse flow of gas along the pipeline

Source: Natural Gas Market Bulletin Board <http://www.gasbb.com.au>

Notes: Operational ranges for each pipeline facility range from a minimum of 20% to a maximum of 120% of the respective MDQs. The exceptions are the South West Queensland Pipeline and the NSW-VIC Interconnect which have minimum operational ranges of 40% and 0% of MDQ respectively.

Figure A2: Daily flows (TJ) for BB production / storage facilities compared to operational ranges and use of production/storage capacity

Production zone and production / storage facility	Sun	Mon	Tue	Wed	Thu	Fri	Sat	MDQ (TJ)	YTD average capacity usage* (%)	Current week average daily flows	2009-10 Financial Year average daily flows
Roma (QLD)											
Berwyndale South	101	101	102	106	104	105	101	140	74	103	93
Fairview	112	126	129	128	130	125	128	130	98	125	113
Kenya Gas Plant	70	54	53	72	66	66	69	160	42	64	56
Kincora	0	15	15	15	15	15	15	25	60	13	2
Kogan North	9	10	10	11	11	11	11	12	89	10	9
Peat	11	11	11	11	11	11	11	15	73	11	9
Rolleston	12	12	12	12	12	12	12	30	40	12	11
Scotia	29	29	29	29	29	29	21	29	91	28	23
Spring Gully	49	52	53	53	53	51	53	60	87	52	43
Strathblane	49	52	53	53	53	51	53	60	87	52	43
Taloona	30	31	32	32	32	31	32	36	88	31	26
Wallumbilla	11	10	10	11	10	10	10	20	52	10	10
Yellowbank	13	14	13	13	13	13	13	30	43	13	13
Talinga	54	74	73	55	58	59	55	75	76	61	23
Moomba (SA/QLD)											
Moomba Gas Plant	314	330	339	380	390	425	439	430	97	374	272
Ballera	16	0	12	8	0	0	0	150	0	5	12
Eastern (VIC)											
Orbost Gas Plant	0	0	0	0	0	0	1	100	0	0	17
Lang Lang Gas Plant	46	51	51	52	22	51	51	70	59	46	34
Longford Gas Plant	977	1026	1003	1025	1043	1038	1035	1145	91	1021	641
LNG Storage Dandenong	0	0	48	0	0	0	0	158	0	7	0
Otway Basin (VIC)											
Minerva Gas Plant	94	94	94	94	94	94	88	94	98	93	72
Otway Gas Plant	164	164	197	205	175	196	196	206	92	185	126
Iona Underground Gas Storage	144	157	166	233	272	191	112	440	44	182	92

*Average daily estimated gas consumption measured from 1 July 2010 to the current week (inclusive)

^Commissioned as a Bulletin Board facility from 6 July 2009 (Facility began reporting flows from 7 July 2009)

Notes: Operational ranges for each production and storage facility range from minimum of 0% to a maximum of 120 per cent of the respective MDQs. The exception is the Longford Gas Plant which has a minimum operational range of 20% of its MDQ.

Figure A3 provides the average minimum and maximum temperatures for each of the demand regions for the current week. The average temperatures for the previous week are also provided. (Note: only the demand regions where temperature is a driver of gas demand are included).

Figure A3: Average daily temperatures (°C) at each demand region

Average daily temperatures (°C)		QLD (Brisbane)	NSW (Sydney)	ACT (Canberra)	VIC (Melbourne)	SA (Adelaide)	TAS (Hobart)
27 June – 3 July	Average min.	10.3	6.1	-2.7	6.7	4.7	3.4
	Average max.	18.6	15.2	9.9	12.4	13.8	13.1
20 June – 26 June	Average min.	11.3	11.6	3.4	7.8	9.3	5.2
	Average max.	22.0	17.8	14.0	15.4	16.7	14.0

Source: <http://www.bom.gov.au/climate/dwo>

Figure A4 shows the market prices at each of the scheduling intervals on each day during the current week. The imbalance weighted average prices for each gas day are also provided.

Figure A4: Daily Victorian gas market prices (\$/GJ) at each scheduling interval

27 June – 3 July	Scheduling Interval					Daily Imbalance Weighted Average Price
	6am	10am	2pm	6pm	10pm	
Sun	0.77	1.06	1.06	1.06	1.42	0.79
Mon	0.50	0.60	4.11	3.64	3.12	0.68
Tue	3.63	3.87	5.94	5.91	2.27	3.73
Wed	3.90	4.00	3.90	2.32	2.32	3.86
Thu	2.80	2.81	3.90	2.79	1.00	2.81
Fri	2.66	2.66	2.66	2.66	0.00	2.63
Sat	3.64	3.50	3.64	3.72	0.80	3.59

Source: <http://www.aemo.com.au> (INT 041).

Figure A5 compares the market participants and market operator demand forecasts and each of the scheduling intervals on each gas day during the current week. Total actual demand for each gas day is also provided, along with the total demand override (if any) from AEMO.

Figure A5: Daily demand forecasts (TJ) and daily demand overrides (TJ)

Gas Day	Demand Forecasts (TJ)	Schedule					Total Demand Override (TJ)
		1	2	3	4	5	
27-Jun	MP:	973	992	975	980	987	-15
	AEMO:	933	935	923	916	956	
	MP as % of AEMO	104	106	106	107	103	
28-Jun	MP:	1104	1089	1136	1144	1143	-12
	AEMO:	1064	1055	1129	1146	1141	
	MP as % of AEMO	104	103	101	100	100	
29-Jun	MP:	1159	1187	1203	1199	1199	9
	AEMO:	1144	1172	1214	1208	1174	
	MP as % of AEMO	101	101	99	99	102	
30-Jun	MP:	1124	1155	1155	1148	1149	0
	AEMO:	1119	1127	1110	1100	1078	
	MP as % of AEMO	100	102	104	104	107	
1-Jul	MP:	1092	1108	1109	1113	1113	0
	AEMO:	1063	1088	1107	1095	1021	
	MP as % of AEMO	103	102	100	102	109	
2-Jul	MP:	1084	1073	1076	1072	1061	-10
	AEMO:	1026	1044	1058	1039	987	
	MP as % of AEMO	106	103	102	103	107	
3-Jul	MP:	955	959	964	962	962	0
	AEMO:	919	940	947	926	893	
	MP as % of AEMO	104	102	102	104	108	

Source: <http://www.aemo.com.au> (INT 108, INT 126, INT 153)