

MOS ESTIMATES FOR MOS PERIOD 4 JUN 2010 – 31 AUG 2010

Prepared By: Gas System Operations

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1. Introduction

In accordance with rule 397 of the National Gas Rules (STTM Rules), AEMO is required to publish estimates of Market Operator Service (MOS estimates) for each STTM pipeline and each MOS period prior to the commencement of the related MOS period. In determining the MOS estimates for each MOS period, AEMO must use the data specified in Section 5.2 (b) of the STTM Procedures.

2. The MOS period

MOS periods are defined in section 5.1 of the STTM Procedures. The MOS periods for 2010 calendar year are defined in section 12.1 of the STTM Procedures.

The MOS estimates contained in this document relate to the MOS period 4 Jun 2010 – 31 Aug 2010.

3. MOS estimates for MOS period 4 Jun 2010 – 31 Aug 2010

The MOS quantities for the MOS period 4 Jun 2010 – 31 Aug 2010 are derived from daily allocated and scheduled pipeline quantities for the period 4 Jun 2009 – 31 Aug 2009 provided by the pipeline operators of the following STTM pipelines:

- Moomba to Sydney pipeline (MSP) and the Eastern Gas Pipeline (EGP) supplying gas to the Sydney hub; and
- Moomba to Adelaide pipeline (MAP) and the SEA Gas pipeline (SEA Gas) connected to the Adelaide hub.

The MOS quantities for each STTM pipeline and each gas day are calculated as follows:

$\text{Daily MOS quantity (GJ)} = \text{allocated (actual) daily pipeline quantity} - \text{scheduled daily pipeline quantity}$

Positive MOS quantities indicate the requirements for a forecast increase in MOS whereas negative MOS quantities indicate the requirements for a forecast decrease in MOS.¹

Rule 397(1)(a) of the STTM Rules requires that AEMO publish its estimate of the maximum quantity of MOS (by way of increase and decrease) likely to be required on any gas day in the relevant MOS period. This is provided in Table 1 below.

Rule 397(1)(b) of the STTM rules specifies that AEMO must publish its estimate of the range of daily quantities of MOS (by way of increase and decrease) likely to be required, together with the number of gas days in the MOS period to which each of those estimated quantities applies. This is provided in the following tables and charts:

- Table 2 showing the summary statistics of the distributions of MOS quantities, including a measure of central location (median), two measures of dispersion/spread (the range and the

¹ Note that MOS increase offers and MOS decrease offers must comply with the requirements in section 5.4(b)(ii) and section 5.4(c)(ii) of the STTM Procedures, and should be greater than zero for the purpose of creating the MOS stacks.

inter-quartile range).² The means, standard deviations, the 5 and 95 percentile of the distributions are also shown together with the proportions of days in the MOS period with positive and negative MOS quantities.

- Table 3 showing the daily MOS quantities sorted in descending order and the number of day(s) associated with each estimated- quantity.
- Figure 1 displaying the curves of daily MOS quantities sorted in descending order from the highest to the lowest values.
- Figure 2 showing the Box plots which provide a graphical summary of the data and are useful tools for comparing the MOS quantities of the different STTM pipelines.

Table 1 – Maximum MOS quantities (GJ)

	Sydney MSP	Sydney EGP	Adelaide MAP	Adelaide SEA Gas
MOS increase	18,511	3,566	9,484	114
MOS decrease	40,655	841	18,528	4,005

Figure 1 – Curves of daily MOS quantities

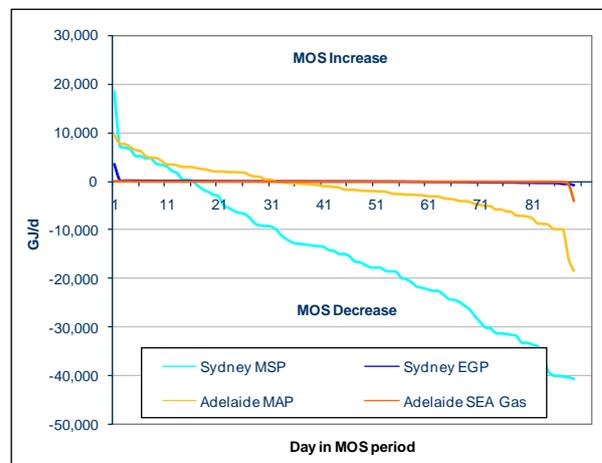
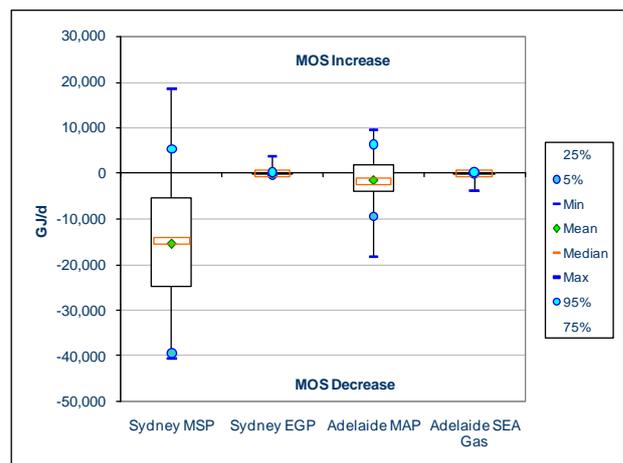


Table 2 – Summary statistics of daily MOS quantities

	Summary statistics GJ/d			
	Sydney MSP	Sydney EGP	Adelaide MAP	Adelaide SEA Gas
Maximum	18,511	3,566	9,484	114
95%	5,271	86	6,341	54
75%	-5,472	-14	1,858	31
50%	-14,942	-58	-1,762	5
25%	-24,799	-187	-4,093	-1
5%	-39,541	-368	-9,503	-8
Minimum	-40,655	-841	-18,528	-4,005
Mean	-15,391	-71	-1,547	-36
Std deviation	13,765	426	4,932	430
% days positive	18%	21%	35%	72%
% days negative	82%	79%	65%	28%

Figure 2 – Distribution of daily MOS quantities



² The inter-quartile range is the range of values between the first (25%) and third quartiles (75%) of the distributions.

Table 3 – Daily MOS quantities (GJ/d)

No of days	Sydney MSP	Sydney EGP	Adelaide MAP	Adelaide SEA Gas	No of days	Sydney MSP	Sydney EGP	Adelaide MAP	Adelaide SEA Gas
1	18,511	3,566	9,484	114	1	-16,451	-60	-1,794	4
1	7,422	278	7,757	104	1	-16,636	-61	-1,944	3
1	6,972	115	7,636	99	1	-17,155	-62	-2,034	3
1	6,707	109	7,065	85	1	-17,662	-66	-2,059	3
1	5,310	91	6,421	54	1	-17,736	-73	-2,102	3
1	5,212	77	6,221	53	1	-17,774	-75	-2,151	3
1	4,786	74	5,159	52	1	-18,453	-78	-2,236	2
1	4,758	73	4,793	49	1	-18,508	-83	-2,529	2
1	3,683	51	4,762	47	1	-18,643	-88	-2,677	1
1	3,416	46	4,185	42	1	-19,842	-92	-2,699	1
1	3,103	45	3,457	37	1	-20,156	-103	-2,801	1
1	2,198	44	3,422	36	1	-20,844	-123	-2,804	1
1	1,754	43	3,245	36	1	-21,692	-123	-2,888	0
1	433	38	2,935	34	1	-21,918	-139	-2,947	0
1	330	37	2,935	34	1	-22,202	-146	-3,119	0
1	56	32	2,859	33	1	-22,540	-161	-3,179	0
1	-881	25	2,586	33	1	-22,561	-165	-3,189	0
1	-1,662	17	2,457	33	1	-23,260	-168	-3,525	0
1	-2,147	9	2,275	33	1	-24,197	-170	-3,683	-1
1	-2,734	-3	1,982	32	1	-24,358	-176	-3,795	-1
1	-3,083	-6	1,959	32	1	-24,799	-187	-4,093	-1
1	-4,969	-14	1,931	31	1	-25,546	-200	-4,139	-2
1	-5,472	-14	1,858	31	1	-26,355	-221	-4,305	-2
1	-6,128	-18	1,842	30	1	-27,664	-238	-4,706	-2
1	-6,472	-19	1,786	30	1	-28,898	-242	-4,904	-2
1	-6,729	-22	1,691	30	1	-30,044	-252	-5,156	-2
1	-7,529	-30	1,143	29	1	-30,208	-262	-5,183	-2
1	-8,735	-31	968	27	1	-31,200	-266	-5,829	-2
1	-9,064	-34	801	27	1	-31,308	-268	-5,857	-2
1	-9,168	-38	300	24	1	-31,392	-276	-6,216	-3
1	-9,257	-39	278	23	1	-31,618	-279	-6,390	-3
1	-9,900	-41	-83	23	1	-31,835	-292	-7,119	-3
1	-11,124	-42	-220	23	1	-33,196	-323	-7,183	-4
1	-11,884	-45	-325	20	1	-33,218	-330	-7,307	-4
1	-12,513	-45	-436	19	1	-33,578	-333	-7,648	-5
1	-12,814	-46	-498	14	1	-33,964	-362	-8,707	-5
1	-12,899	-50	-592	13	1	-35,195	-366	-8,838	-5
1	-13,062	-51	-603	10	1	-38,968	-367	-8,976	-6
1	-13,185	-51	-745	7	1	-39,923	-369	-9,855	-10
1	-13,355	-52	-812	7	1	-40,029	-440	-9,973	-30
1	-13,412	-52	-1,044	6	1	-40,195	-586	-10,203	-108
1	-14,114	-53	-1,056	6	1	-40,340	-588	-16,143	-531
1	-14,251	-57	-1,237	6	1	-40,655	-841	-18,528	-4,005
1	-14,916	-57	-1,309	5	1				
1	-14,942	-58	-1,762	5	1				
1	-15,362	-58	-1,779	4	1				