

MOS ESTIMATES FOR MOS PERIOD 1 JUNE 2011 – 31 AUGUST 2011

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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 estimates contained in this document relate to the MOS period 1 Jun 2011 – 31 Aug 2011.

3. MOS estimates for MOS period 1 Jun 2011 – 31 Aug 2011

The MOS quantities for the MOS period 1 Jun 2011 – 31 Aug 2011 are derived from daily allocated and scheduled pipeline quantities for the period 1 Jun 2010 – 31 Aug 2010 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 (SEAGas) 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 inter-quartile range).² The means, standard deviations, the 5 and 95 percentile of 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.

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

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	24,188	2,827	19,370	103
MOS decrease	40,215	1,118	11,638	2,057

Figure 1 – Curves of daily MOS quantities

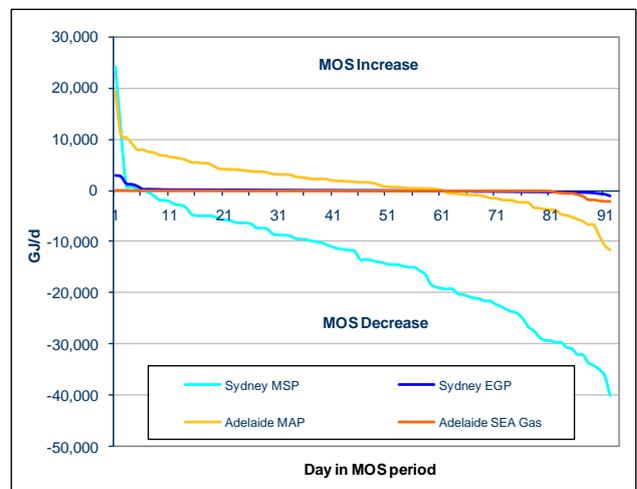


Table 2 – Summary statistics of daily MOS quantities

	Summary statistics GJ/d			
	Sydney MSP	Sydney EGP	Adelaide MAP	Adelaide SEA Gas
Maximum	24,188	2,827	19,370	103
95%	239	458	8,040	55
75%	-6,348	32	4,071	8
50%	-13,537	-65	1,630	0
25%	-21,679	-262	-1,228	-2
5%	-32,919	-465	-6,291	-1,355
Minimum	-40,215	-1,118	-11,638	-2,057
Mean	-14,255	-36	1,388	-130
Std deviation	11,285	513	4,782	458
% days positive	7%	32%	66%	54%
% days negative	93%	68%	34%	46%

Figure 2 – Distribution of daily MOS quantities

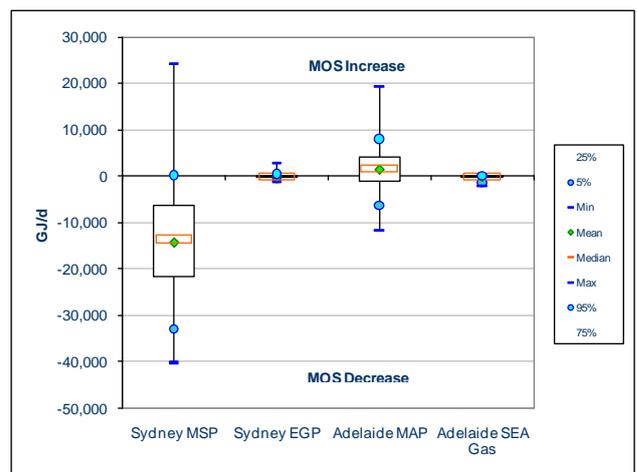


Table 3 – Daily MOS quantities (GJ/d)

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	24,188	2,827	19,370	103	1	-13,552	-66	1,616	0
1	11,726	2,628	10,800	93	1	-13,674	-67	1,559	0
1	806	1,244	10,433	86	1	-13,972	-67	1,306	0
1	765	1,120	9,286	58	1	-14,092	-72	895	0
1	304	780	8,044	56	1	-14,486	-85	781	-1
1	185	194	8,036	54	1	-14,546	-88	696	-1
1	-388	177	7,602	52	1	-14,587	-90	684	-1
1	-972	154	7,487	51	1	-14,874	-100	555	-1
1	-1,855	132	7,001	50	1	-15,051	-100	460	-1
1	-1,952	92	6,887	48	1	-15,089	-103	458	-1
1	-2,201	83	6,611	47	1	-15,750	-125	455	-1
1	-2,769	82	6,481	46	1	-16,477	-126	427	-1
1	-2,872	71	6,280	45	1	-18,409	-129	373	-1
1	-3,392	71	6,001	43	1	-18,938	-140	281	-1
1	-4,667	67	5,543	42	1	-19,209	-151	135	-2
1	-4,971	67	5,535	41	1	-19,323	-162	-412	-2
1	-4,982	60	5,380	40	1	-19,328	-165	-502	-2
1	-4,989	57	5,370	40	1	-20,249	-169	-634	-2
1	-5,056	57	4,848	40	1	-20,427	-181	-730	-2
1	-5,546	49	4,310	35	1	-20,799	-187	-783	-2
1	-5,746	45	4,252	28	1	-21,079	-253	-865	-2
1	-5,893	43	4,153	9	1	-21,262	-258	-911	-2
1	-6,259	37	4,141	9	1	-21,678	-261	-1,153	-2
1	-6,377	31	4,048	7	1	-21,680	-264	-1,454	-2
1	-6,394	28	3,928	7	1	-22,344	-271	-1,470	-2
1	-6,602	22	3,786	6	1	-22,772	-275	-1,797	-3
1	-7,377	16	3,738	6	1	-23,410	-289	-1,849	-3
1	-7,383	6	3,711	6	1	-23,763	-296	-1,927	-3
1	-7,610	6	3,540	6	1	-24,124	-317	-2,252	-4
1	-8,593	-4	3,269	6	1	-25,208	-318	-2,304	-4
1	-8,745	-5	3,198	4	1	-26,794	-327	-2,372	-4
1	-8,766	-5	3,153	4	1	-27,524	-334	-3,349	-5
1	-8,863	-15	3,140	3	1	-28,767	-334	-3,428	-5
1	-9,385	-23	2,785	3	1	-29,361	-355	-3,640	-13
1	-9,550	-24	2,602	2	1	-29,434	-362	-3,768	-61
1	-9,619	-31	2,513	2	1	-29,781	-363	-3,846	-301
1	-9,898	-35	2,316	1	1	-29,799	-379	-4,629	-399
1	-10,050	-40	2,296	1	1	-30,742	-406	-4,840	-497
1	-10,299	-40	2,288	1	1	-31,041	-412	-5,184	-501
1	-10,736	-40	2,221	1	1	-32,175	-421	-5,624	-711
1	-11,091	-46	1,969	0	1	-32,220	-456	-6,002	-1,059
1	-11,445	-52	1,910	0	1	-33,774	-475	-6,645	-1,717
1	-11,558	-59	1,874	0	1	-34,295	-553	-6,723	-1,750
1	-11,739	-59	1,793	0	1	-35,094	-696	-8,822	-1,940
1	-11,886	-63	1,743	0	1	-36,268	-795	-10,725	-2,049
1	-13,521	-65	1,643	0	1	-40,215	-1,118	-11,638	-2,057