

MOS ESTIMATES FOR MOS PERIOD 1 JUNE 2012 – 31 AUGUST 2012

Prepared By: Gas System Operations

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1. Introduction

MOS (Market Operator Service) estimates provide a guide of the largest daily increase and decrease MOS that market participants may reasonably expect for each STTM pipeline. The MOS estimate is based on historical data and therefore does not limit the quantity of MOS that may be experienced in the future.

The MOS estimate determines the value of overrun MOS. If the MOS estimate for an STTM pipeline exceeds the total MOS offers, then overrun MOS is paid at the weighted average price within the MOS stack. Otherwise, if the total MOS offers for an STTM pipeline exceed the MOS estimate then overrun MOS is paid at the highest priced offer within the stack.

In accordance with rule 397 of the National Gas Rules (STTM Rules), AEMO publishes 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 2012 – 31 Aug 2012.

3. MOS estimates for MOS period 1 Jun 2012 – 31 Aug 2012

The MOS quantities for the MOS period 1 Jun 2012 – 31 Aug 2012 are derived from daily allocated MOS quantities for the period 1 Jun 2011 – 31 Aug 2011 for 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 the MOS period 1 June 2012 – 31 Aug 2012 are derived from historic daily allocation and nomination quantities for the following STTM pipeline:

- Roma to Brisbane pipeline (BRI) supplying gas to the Brisbane hub.

The MOS quantities for each STTM pipeline and each gas day are as determined in accordance with the published methodology for determining MOS estimates.

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.

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.

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 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.

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

Table 1 – Maximum MOS quantities (GJ)

	Sydney MSP	Sydney EGP	Adelaide MAP	Adelaide SEA Gas	Brisbane RBP
MOS increase	18,001	5,254	9,435	42	10,981
MOS decrease	31,707	2,353	5,716	7,333	17,312

Figure 1 – Curves of daily MOS quantities

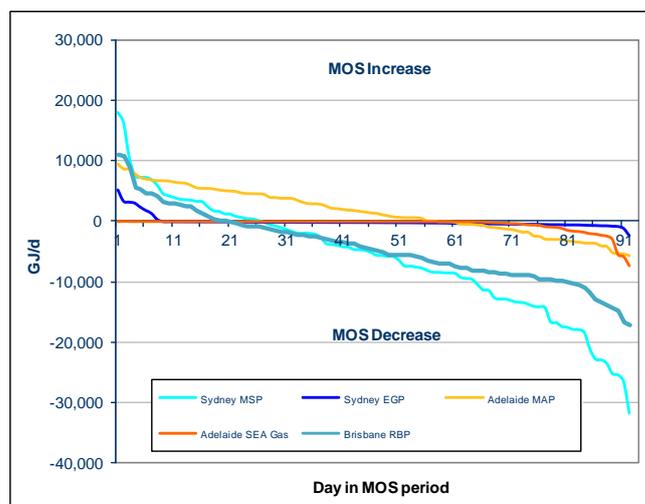


Table 2 – Summary statistics of daily MOS quantities

	Summary statistics GJ/d				
	Sydney MSP	Sydney EGP	Adelaide MAP	Adelaide SEA Gas	Brisbane RBP
Maximum	18,001	5,254	9,435	42	10,981
95%	7,275	2,075	7,084	10	5,013
75%	501	-94	4,588	2	-741
50%	-5,353	-176	1,317	-2	-4,739
25%	-12,830	-421	-1,206	-222	-8,630
5%	-23,144	-713	-4,131	-2,341	-13,604
Minimum	-31,707	-2,353	-5,716	-7,333	-17,312
Mean	-6,090	-56	1,525	-481	-4,341
Std deviation	9,545	970	3,769	1,242	5,842
% days positive	28%	9%	62%	40%	21%
% days negative	72%	91%	38%	60%	79%

Figure 2 – Distribution of daily MOS quantities

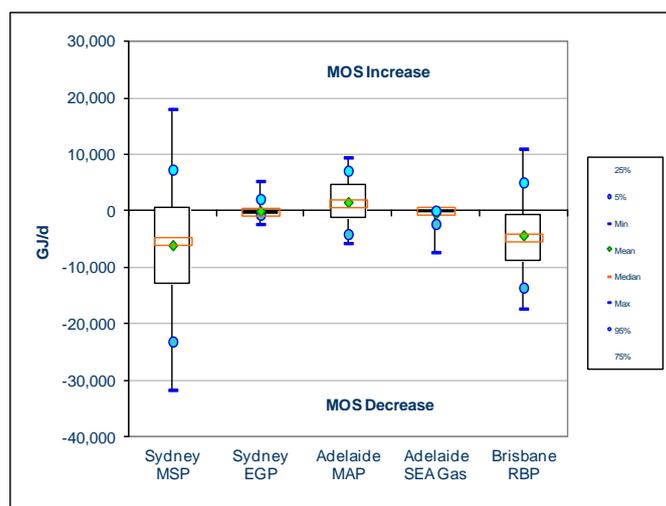


Table 3 – Daily MOS quantities (GJ/d)

No of days	Sydney MSP	Sydney EGP	Adelaide MAP	Adelaide SEA Gas	Brisbane RBP	No of days	Sydney MSP	Sydney EGP	Adelaide MAP	Adelaide SEA Gas	Brisbane RBP
1	18,001	5,254	9,435	42	10,981	1	-5,605	-181	1,292	-2	-4,806
1	16,379	3,374	8,642	37	10,735	1	-5,614	-186	1,060	-2	-5,151
1	10,698	3,214	8,590	19	8,952	1	-5,781	-191	892	-3	-5,488
1	7,594	3,047	7,848	11	5,445	1	-5,788	-194	699	-3	-5,495
1	7,283	2,378	7,235	11	5,399	1	-6,404	-202	633	-3	-5,541
1	7,269	1,827	6,960	10	4,698	1	-7,365	-203	574	-4	-5,596
1	6,900	1,330	6,817	9	4,694	1	-7,382	-205	569	-4	-5,703
1	6,009	336	6,689	9	4,141	1	-7,541	-215	561	-4	-5,843
1	4,643	-7	6,679	9	3,226	1	-7,691	-223	464	-4	-6,013
1	4,248	-28	6,629	8	2,989	1	-8,071	-231	85	-5	-6,474
1	3,961	-38	6,454	8	2,902	1	-8,395	-244	55	-6	-6,747
1	3,675	-44	6,340	8	2,604	1	-8,406	-246	-76	-6	-6,991
1	3,582	-47	6,271	8	2,491	1	-8,483	-258	-81	-6	-7,061
1	3,504	-51	5,923	6	2,342	1	-8,520	-272	-100	-7	-7,080
1	3,333	-57	5,515	5	1,824	1	-8,569	-326	-171	-7	-7,489
1	3,263	-58	5,419	5	1,373	1	-9,239	-328	-471	-9	-7,781
1	2,445	-58	5,401	4	700	1	-9,431	-332	-501	-13	-7,811
1	1,770	-59	5,327	3	210	1	-9,553	-334	-524	-15	-8,138
1	1,656	-61	5,155	3	186	1	-10,427	-365	-645	-36	-8,178
1	1,253	-61	5,036	3	-3	1	-11,335	-384	-698	-48	-8,197
1	1,204	-64	4,985	3	-162	1	-11,404	-394	-973	-130	-8,348
1	831	-75	4,894	3	-298	1	-12,619	-397	-1,050	-185	-8,469
1	666	-77	4,656	2	-514	1	-12,830	-420	-1,168	-212	-8,589
1	446	-99	4,565	2	-816	1	-12,831	-424	-1,321	-253	-8,752
1	417	-108	4,534	1	-886	1	-13,093	-439	-1,380	-334	-8,815
1	144	-110	4,508	1	-890	1	-13,359	-455	-1,580	-347	-8,818
1	-110	-118	4,427	1	-1,014	1	-13,400	-458	-1,824	-433	-8,914
1	-540	-121	3,948	1	-1,257	1	-13,682	-466	-1,835	-540	-8,951
1	-750	-124	3,899	1	-1,495	1	-14,038	-466	-2,447	-582	-9,218
1	-1,040	-125	3,786	1	-1,787	1	-14,126	-485	-2,534	-616	-9,520
1	-1,360	-129	3,776	1	-1,855	1	-14,233	-509	-2,965	-840	-9,552
1	-1,654	-129	3,751	0	-2,089	1	-16,601	-530	-3,001	-900	-9,572
1	-1,955	-146	3,422	0	-2,218	1	-16,725	-531	-3,036	-947	-9,772
1	-1,956	-149	3,073	0	-2,290	1	-17,370	-544	-3,047	-1,123	-9,878
1	-1,970	-150	2,890	0	-2,530	1	-17,499	-567	-3,202	-1,457	-10,189
1	-2,101	-151	2,855	0	-2,538	1	-17,853	-570	-3,415	-1,589	-10,445
1	-2,561	-152	2,799	0	-2,665	1	-17,882	-574	-3,458	-1,651	-10,570
1	-3,607	-157	2,505	-1	-3,094	1	-18,350	-612	-3,622	-1,790	-10,942
1	-3,830	-159	2,125	-1	-3,206	1	-21,101	-646	-3,642	-2,002	-11,711
1	-3,919	-161	2,072	-1	-3,412	1	-22,772	-665	-3,684	-2,070	-13,016
1	-4,194	-163	1,945	-1	-3,564	1	-22,883	-712	-4,095	-2,278	-13,388
1	-4,247	-163	1,808	-1	-3,643	1	-23,462	-714	-4,176	-2,418	-13,869
1	-4,654	-167	1,772	-2	-3,825	1	-25,167	-789	-5,208	-2,970	-14,458
1	-4,674	-170	1,605	-2	-4,210	1	-25,375	-835	-5,361	-5,474	-14,736
1	-4,798	-170	1,512	-2	-4,306	1	-26,456	-1,159	-5,434	-5,816	-16,643
1	-5,101	-171	1,342	-2	-4,671	1	-31,707	-2,353	-5,716	-7,333	-17,312