

Attachment 4

NDM Demand for Gas Year 2005/06 to end-June 2006
Revised to include Forecast Demand

Aggregate NDM Demand (GWh) - Gas Year 2005/06 to end-June 2006							
LDZ	Sum of Actual Demand	Sum of WC Demand (05 basis)	Sum of WC Demand (06 basis)	Sum of SND (05 basis)	Sum of SND (06 basis)	WCD as % of SND	
						05 basis	06 basis
SC	43247	43825	43824	44616	43591	98.2%	100.5%
NO	27512	28127	28114	28564	27752	98.5%	101.3%
NW	62509	63138	63119	64627	62024	97.7%	101.8%
NE	32293	32738	32735	33474	32550	97.8%	100.6%
EM	52280	52941	52932	54497	52540	97.1%	100.7%
WM	47275	47311	47317	49880	47170	94.9%	100.3%
WN	5528	5582	5582	5821	5639	95.9%	99.0%
WS	18767	18407	18551	19084	18243	96.5%	101.7%
EA	40723	39955	39996	41961	40067	95.2%	99.8%
NT	55072	54007	54085	56901	53489	94.9%	101.1%
SE	53682	52622	52684	54838	51952	96.0%	101.4%
SO	36651	35773	35825	37649	35692	95.0%	100.4%
SW	29503	29168	29191	30513	28983	95.6%	100.7%
Total	505041	503596	503957	522424	499692	96.4%	100.9%

From the above we can use the standard demand relationship:

$$\text{Demand} = \text{SND} + \text{WSENS} * (\text{CWV} - \text{SNCWV})$$

To calculate the forecast demand based on the models and the actual weather. These values are shown in the following table:

LDZ	Sum of Forecast Demand (05 basis)	Sum of Forecast Demand (06 basis)
SC	44038	43013
NO	27949	27150
NW	63998	61414
NE	33029	32108
EM	53836	51887
WM	49844	47128
WN	5767	5585
WS	19444	18459
EA	42728	40793
NT	57965	54476
SE	55897	52950
SO	38527	36518
SW	30847	29295
Total	523869	500775