
xserve



respect > commitment > teamwork

Demand Estimation Sub Committee NDM Sample Update

15th November 2016

Xoserve Managed Sample (up to 73,200 kWh)

Actual vs Target (as of October 2016)

LDZ	Target Sample Size	ACTUAL Sample Size			Difference (as at Oct 2016)	
		Oct 2014	Oct 2015	Oct 2016	Target	Oct 2015
SC	245	259	247	235	-10	-12
NO	240	256	236	263	23	27
NW	250	259	238	248	-2	10
NE	250	275	255	246	-4	-9
EM	255	282	283	260	5	-23
WM	250	273	249	246	-4	-3
WN	0	0	0	0	0	0
WS	255	269	251	251	-4	0
EA	250	291	277	271	21	-6
NT	250	262	248	238	-12	-10
SE	245	254	234	233	-12	-1
SO	250	292	273	250	0	-23
SW	250	279	247	250	0	3
TOTAL	2,990	3,251	3,038	2,991	1	-47

Xoserve Managed Sample (up to 73,200 kWh)

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Observations and Updates

- Xoserve managed sample numbers have fallen below target in 7 LDZs
- Main reasons for reduction in numbers are:
 - Non-loggable meter installed following a meter exchange (i.e. Smart Meter) accounting for 46% off all losses in past 12 months
 - Removal of device requested by occupant (mostly as a direct result of Battery Replacement project)
 - 3rd party device installed on site
- Initiatives in place to help maintain a healthy sample:
 - Xoserve assess the consumption data on a weekly basis so that potential issues can be resolved quickly (minimising data loss)
 - Continue to issue bi-monthly report to shippers listing the NDM sites which comprise the DE sample to reduce 'lost' devices
 - Identifying those sample sites which have had meter exchanges completed now performed weekly (previously fortnightly)



Network Managed Sample (above 73,200 kWh)

Current Sample Size (as of October 2016)

Band	LDZ													Total	
	SC	NO	NW	NE	EM	WM	WN	WS	EA	NT	SE	SO	SW		
2*	168	127	176	129	222	148	4	98	227	249	234	195	167	2,144	25
3	234	122	165	159	202	147	24	42	223	214	286	203	139	2,160	14
4	424	294	294	384	248	265	33	85	265	310	434	335	150	3,521	22
5	273	134	170	180	162	180	22	49	98	194	191	141	78	1,872	32
6	101	54	56	64	71	72	9	22	45	50	58	57	47	706	7
7	30	13	19	28	39	24	2	7	14	10	20	14	18	238	4
8	13	10	6	11	13	14	0	4	4	6	3	9	4	97	1
9	0	0	0	0	1	0	0	0	0	1	0	2	0	4	0
Total	1,243	754	886	955	958	850	94	307	876	1,034	1,226	956	603	10,742	
	9	0	1	0	0	2	7	49	0	1	12	3	21		105

NOTE: * Band 2 totals include both Xoserve and Network managed sample sites
Counts per band are as per Sites & Meters AQ and NOT final validated AQs

Active

- 10,742 Active Sites (decrease of ~300 since October 2015)

Inactive

- 105 Inactive Sites (no read data has been received in last 2 months)
Inactive sites are investigated to determine reason (e.g. faulty equipment or site closure)

Network Managed Sample (above 73,200 kWh)

Difference: Active Sample (October 2016) – Target Sample

Band		LDZ													Deficit
		SC	NO	NW	NE	EM	WM	WN	WS	EA	NT	SE	SO	SW	
73.2 to 293	2*	113	72	91	74	147	68	-6	68	142	89	134	160	112	-6
293 to 732	3	124	27	15	79	72	67	4	-33	103	29	121	118	39	-33
732 to 2,196	4	-1	24	-156	44	-197	-70	-17	-90	-180	-170	-86	-25	-110	-1102
2,196 to 5,860	5	-147	-101	-275	-70	-178	-235	-33	-81	-177	-321	-164	-139	-162	-2083
5,860 to 14,650	6	-15	-29	-130	-40	-77	-105	-11	-39	-65	-107	-36	-28	-43	-725
14,650 to 29,300	7	-4	-11	-26	-17	-25	-42	-5	-14	-17	-16	0	-21	-14	-212
29,300 to 58,600	8	-1	-6	-19	1	-12	-18	-3	-6	-4	1	-7	1	-4	-80
Deficit		-168	-147	-606	-127	-489	-470	-75	-263	-443	-614	-293	-213	-333	-4,241

NOTE: * Band 2 totals include both Xoserve and Network managed sample sites

- Overall, the number of active Sample sites is 4,241 below sample requirements (compared with 4,110 in Oct 2015)

Network Managed Sample (above 73,200 kWh)

Active Sample Sites as % of Population Count

Band	LDZ												
	SC	NO	NW	NE	EM	WM	WN	WS	EA	NT	SE	SO	SW
2*	1%	1%	1%	1%	1%	1%	0.2%	2%	1%	1%	1%	1%	1%
3	5%	5%	3%	6%	5%	4%	5%	3%	6%	4%	7%	6%	5%
4	21%	32%	14%	35%	15%	15%	14%	15%	18%	11%	26%	23%	14%
5	56%	55%	31%	61%	34%	39%	37%	36%	33%	26%	55%	50%	37%
6	70%	59%	36%	62%	44%	58%	36%	49%	45%	29%	62%	61%	49%
7	71%	57%	34%	82%	51%	43%	25%	29%	44%	22%	71%	52%	45%
8	65%	67%	40%	85%	48%	64%	n/a	57%	31%	55%	38%	75%	57%

- Table shows % of all available sites which make up the sample
- Target numbers at higher bands in some LDZs become more unrealistic as fewer sites are available due to annual reductions in AQS

Network Managed Sample (above 73,200 kWh) ⁷

Observations and Updates

- Xoserve continues to work with Transporters to address sample deficits
 - Quarterly Report is sent to Transporters with details of all active and in-active sites
 - Xoserve provides lists of potential new sites to support Transporters' installation programs, upon request
- Approximately 170 new devices installed since last DESC update in November 2015
- Terminations continue to be primarily due to site closures and meter removals
- Continue to work with Transporters service providers to investigate inactive sites – either via termination OR bringing back online



Third Party Sample Data

- Third Party sample data was first utilised during the Spring 2016 modelling and boosted the validated dataset as follows:
 - 678 additional supply points in Bands 2 to 4
 - 84 additional supply points in Bands 5 to 9
- In September 2016, Xoserve updated the guidance document which is published on Joint Office DESC webpage
- Xoserve has since received further Third Party data to support the NDM Sample Analysis (for period October 2015 to September 2016)
- **Can You Help?** - by 4th April 2017 we require Third party NDM sample data covering the period from **24/02/2016 to 01/04/2017** inclusive for use in the Spring 2017 modelling