

xserve



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DESC Update: NDM Sample Numbers

13th November 2013



NDM Sample Numbers

<73,200 kWh
AMRs

NDM Sample: AMRs (0-73.2 Mwh)

Actual Sample vs Target Sample (as of October 2013)

LDZ	Target AMR Sample Size	ACTUAL AMR Sample Size			Difference (as at Oct 2013)	
		Nov 2009	Nov 2012	Oct 2013	Target	Nov 2009
SC	245	274	265	255	+10	-19
NO	240	264	269	257	+17	-7
NW	250	256	264	266	+16	10
NE	250	294	282	280	+30	-14
EM	255	293	284	285	+30	-8
WM	250	272	286	279	+29	7
WN	0	0	0	0	0	0
WS	255	289	280	277	+22	-12
EA	250	286	300	295	+45	9
NT	250	276	275	271	+21	-5
SE	245	272	272	261	+16	-11
SO	250	287	301	295	+45	8
SW	250	278	291	285	+35	7
TOTAL	2,990	3,341	3,369	3,306	+316	-35



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AMRs: Observations and Updates

- Overall numbers of AMR population remain healthy
- Main reasons for reduction in numbers are:
 - Non-loggable meter installed following a meter exchange
 - 3rd party device installed on site
 - Missing AMR equipment on the event of a meter exchange
- Initiatives in place to help maintain a healthy sample:
 - Continue to issue bi-monthly report to shippers listing the NDM sites which comprise the DE sample in order to minimise data loss
 - Where possible ‘reserve’ equipment is being re-attached to new meter
 - Continued assistance of DESC members in helping to reduce the ‘losses’ is welcomed

NDM Sample Numbers

>73,200 kWh

Data Loggers & AMRs

NDM Sample: Data Loggers (>73.2 Mwh)

Current Sample Size (as of October 2013)

Band	LDZ													Total	
	SC	NO	NW	NE	EM	WM	WN	WS	EA	NT	SE	SO	SW		
2*	130	112	160	128	151	125	7	82	149	167	166	137	123	1,637	140
3	178	109	135	135	160	122	13	50	166	183	216	137	104	1,708	135
4	373	189	343	285	322	312	35	95	313	382	441	312	187	3,589	163
5	297	111	234	147	196	224	23	61	153	262	229	168	119	2,224	72
6	105	56	70	63	83	88	11	34	60	76	66	56	62	830	18
7	38	13	27	40	38	27	2	9	16	15	11	19	14	269	11
8	10	4	8	5	18	19	0	6	4	6	2	7	2	91	2
9	0	2	1	0	1	1	0	2	1	2	0	2	0	12	1
Total	1,131	596	978	803	969	918	91	339	862	1,093	1,131	838	611	10,360	
	10	59	43	62	33	31	27	91	26	51	33	12	64		542

Active

- 10,360 Active Sites (-1,098 since Nov '09)

Inactive

- 542 Inactive Sites where no consumption / read has been received in last 2 months
 - Inactive sites are investigated to determine reason (i.e. faulty equipment or site closure)

NOTE: * Band 2 totals include both Data Loggers & AMRs
Counts per band are as per Sites & Meters AQ and NOT final validated AQs



NDM Sample: Data Loggers (>73.2 Mwh)

Difference: Active Sample Size (October 2013) – Target Sample Size

Band		LDZ													Deficit
		SC	NO	NW	NE	EM	WM	WN	WS	EA	NT	SE	SO	SW	
73.2 to 293	2*	75	57	75	73	76	45	-3	52	64	7	66	102	68	-3
293 to 732	3	68	14	-15	55	30	42	-7	-25	46	-2	51	52	4	-49
732 to 2,196	4	-52	-81	-107	-55	-123	-23	-15	-80	-132	-98	-79	-48	-73	-966
2,196 to 5,860	5	-123	-124	-211	-103	-144	-191	-32	-69	-122	-253	-126	-112	-121	-1731
5,860 to 14,650	6	-11	-27	-116	-41	-65	-89	-9	-27	-50	-81	-28	-29	-28	-601
14,650 to 29,300	7	4	-11	-18	-5	-26	-39	-5	-12	-15	-11	-9	-16	-18	-185
29,300 to 58,600	8	-4	-12	-17	-5	-7	-13	-3	-4	-4	1	-8	-1	-6	-84
Deficit		-190	-255	-484	-209	-365	-355	-74	-217	-323	-445	-250	-206	-246	-3,619

- Active Sample is 3,619 (2,128 in Nov'09) Supply Points below sample requirements.



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NOTE: * Band 2 totals include both Data Loggers & AMRs

NDM Sample: Data Loggers (>73.2 Mwh)

Current Target Numbers as % of Overall Population Count

Band	LDZ												
	SC	NO	NW	NE	EM	WM	WN	WS	EA	NT	SE	SO	SW
2	0.4%	0.6%	0.4%	0.4%	0.4%	0.5%	0.5%	0.6%	0.6%	0.6%	0.5%	0.3%	0.5%
3	2.4%	4.0%	2.9%	2.9%	3.1%	2.0%	4.3%	5.7%	3.5%	3.2%	3.9%	2.7%	4.0%
4	20.4%	27.2%	20.3%	29.3%	25.7%	17.8%	20.7%	30.0%	29.1%	16.3%	28.3%	23.6%	22.4%
5	77.9%	91.8%	77.1%	79.1%	68.7%	83.3%	100.0%	91.5%	75.8%	68.9%	85.3%	77.8%	94.1%
6	68.6%	88.3%	105.7%	104.0%	82.2%	124.6%	83.3%	101.7%	94.8%	74.1%	92.2%	91.4%	78.9%
7	70.8%	85.7%	72.6%	90.0%	97.0%	132.0%	70.0%	123.5%	96.9%	65.0%	69.0%	129.6%	118.5%
8	82.4%	177.8%	138.9%	111.1%	78.1%	133.3%	n/a	125.0%	72.7%	31.3%	200.0%	61.5%	160.0%



• Target number represents less than 75% of overall population.



• Target number represents between 75% & 100% of overall population.



• Target number represents more than 100% of overall population.

Recommend a review the current target sample numbers for LSP sample.



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Data Loggers: Observations and Updates

- Xoserve working with Transporters to address sample deficits
 - Quarterly report is sent to Transporters with details of all active and in-active sites
 - Recent lists of in-active sites sent to Transporters that could be made active with a site visit
- Since last DESC update in November 2009 Xoserve has seen a number of new commissions (approx 180 new loggers installed)
 - Deficits have decreased for a minority of the site groupings (e.g. Band 7 sites in LDZ NE).
- NDM sample numbers based on Sites & Meters AQ and not final validated AQ, therefore:
 - Each October the revised AQs are generally downward thus
 - Changing the 'make-up' of the NDM sample
 - Target numbers in bands 6, 7 and 8 become more unrealistic as population falls below
- Terminations continue to be primarily due to site closures / meter removals
- Continue to work with Transporters service providers to investigate inactive sites – either via termination OR bringing back on line
- Xoserve monitor & inform Transporters of sample on quarterly basis

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