



Demand Estimation Sub Committee
NDM Sample Update

21st November 2017

Xoserve Managed Sample (up to 73,200 kWh)

Actual vs. Target (as of October 2017)

LDZ	Target Sample Size	ACTUAL Sample size			Current Difference From:	
		Oct-2015	Oct-2016	Oct-2017	Target	Oct-2016
SC	245	247	235	201	-44	-34
NO	240	236	263	221	-19	-42
NW	250	238	248	225	-25	-23
NE	250	255	246	220	-30	-26
EM	255	283	260	222	-33	-38
WM	250	249	246	221	-29	-25
WN	0	0	0	0	0	0
WS	255	251	251	232	-23	-19
EA	250	277	271	251	1	-20
NT	250	248	238	211	-39	-27
SE	245	234	233	216	-29	-17
SO	250	273	250	229	-21	-21
SW	250	247	250	234	-16	-16
TOTAL	2,990	3,038	2,991	2,683	-307	-308

Xoserve Managed Sample (up to 73,200 kWh)

Observations and Updates

- Xoserve managed sample numbers have fallen below target in 11 LDZs
- Smart meter rollout now a significant impact
 - Non-loggable meters (i.e. Smart Meters) account for almost 75% of all terminations in past 12 months
 - 281 losses during Oct'16-Sep'17 compared to 144 during Oct'15 to Sep'16
- Processes in place to minimise sample site losses (can't mitigate against losses where a non-loggable meter is installed)

Network Managed Sample (above 73,200 kWh)

Current Sample Size (as of October 2017)

Band	LDZ													Total	
	SC	NO	NW	NE	EM	WM	WN	WS	EA	NT	SE	SO	SW		
2*	152	120	165	125	204	149	3	88	209	227	238	185	156	2,021	1
3	238	127	128	140	177	137	22	35	185	191	272	189	127	1,968	2
4	406	250	282	358	230	231	26	80	239	301	433	329	129	3,294	3
5	258	123	156	152	138	167	23	43	97	153	179	138	69	1,696	0
6	100	55	55	58	59	67	8	24	40	49	59	55	46	675	2
7	32	10	18	29	37	21	2	6	10	9	17	14	19	224	0
8	11	8	6	6	15	14	0	3	2	6	7	9	4	91	0
9	1	1	0	1	2	1	0	0	0	0	0	2	1	9	0
Total	1,198	694	810	869	862	787	84	279	782	936	1,205	921	551	9,978	
	4	0	1	0	0	2	0	0	0	0	1	0	0		8

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

- 9,978 Active sites (decrease of ~750 since October 2016)

Inactive

- 8 Inactive sites (no read data has been received in last 2 months)
Inactive sites are brought to the attention of Transporters to be investigated

Network Managed Sample (above 73,200 kWh)

Difference: Active Sample (October 2017) – Target Sample

Band		LDZ													Deficit
		SC	NO	NW	NE	EM	WM	WN	WS	EA	NT	SE	SO	SW	
73.2 to 293	2*	97	65	80	70	129	69	-7	58	124	67	138	150	101	-7
293 to 732	3	128	32	-22	60	47	57	2	-40	65	6	107	104	27	-62
732 to 2,196	4	-19	-20	-168	18	-215	-104	-24	-95	-206	-179	-87	-31	-131	-1,279
2,196 to 5,860	5	-162	-112	-289	-98	-202	-248	-32	-87	-178	-362	-176	-142	-171	-2,259
5,860 to 14,650	6	-16	-28	-131	-46	-89	-110	-12	-37	-70	-108	-35	-30	-44	-756
14,650 to 29,300	7	-2	-14	-27	-16	-27	-45	-5	-15	-21	-17	-3	-21	-13	-226
29,300 to 58,600	8	-3	-8	-19	-4	-10	-18	-3	-7	-6	1	-3	1	-4	-85
Deficit		-202	-182	-656	-164	-543	-525	-83	-281	-481	-666	-304	-224	-363	-4,674

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

- The number of active sample sites is 4,674 below ideal sample requirements (4,241 below in Oct 2016)

Network Managed Sample (above 73,200 kWh)

Observations and Updates

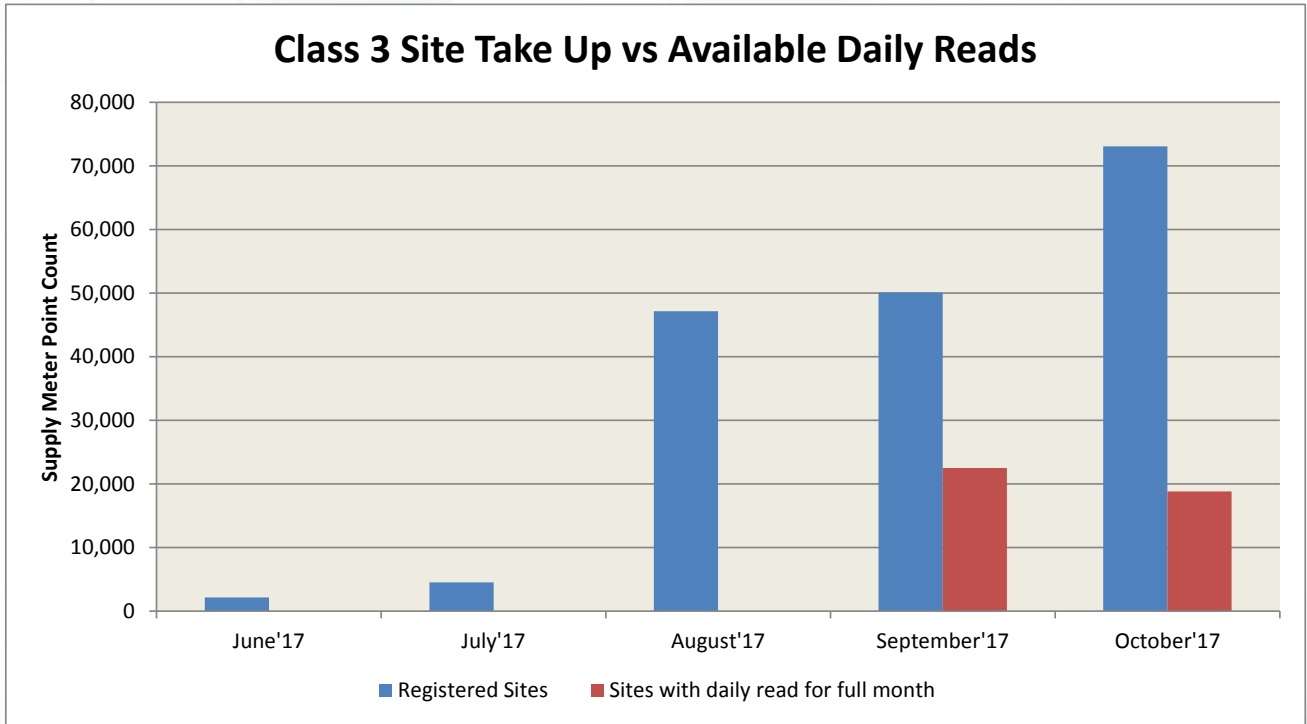
- Xoserve continues to support Transporters to address sample deficits
 - Quarterly Reports are sent to Transporters with details of all active and inactive sites
 - Upon request, Xoserve provides details of potential new sites to Transporters' to support installation programs
- Approximately 90 new devices installed since last DESC update in November 2016
- Terminations continue to be primarily due to site closures and meter removals

Future Initiatives

- Third Party Data
 - This was first used in the Spring 2016 modelling to help boost numbers
 - **We need your help!** - by 3rd April 2018 we require additional NDM sample data covering the period from 24/03/2017 to 01/04/2018 inclusive for use in the Spring 2018 modelling (Band 01B in particular)
 - Full requirements document available on Joint Office website
- UK Link Data (post Nexus)
 - Xoserve has been investigating use of (daily) NDM reads held in UK Link
 - Class 3 site take up has steadily increased since Nexus go-live
 - However, reads for a large proportion of Class 3 sites are currently being rejected meaning data not available for analysis
 - Earliest use of any usable Class 3 data would be in Autumn'18 (i.e. Algorithm Performance for gas year 2017/18)

Future Initiatives: Class 3 Site Data

- Class 3 site take up since Nexus go-live and available daily reads
- LDZ and site type breakdown of all Class 3 sites at November 2017



LDZ	Site Type		Total
	Domestic	Industrial	
EA	5,978	802	6,780
EM	8,175	1,629	9,804
NE	1,150	999	2,149
NO	1,508	2,508	4,016
NT	3,617	1,627	5,244
NW	2,047	2,190	4,237
SC	389	449	838
SE	10,043	1,265	11,308
SO	6,183	1,116	7,299
SW	6,269	803	7,072
WM	11,153	1,420	12,573
WN	166	461	627
WS	603	1,466	2,069
Total	57,281	16,735	74,016