

Method 1 using Data Set 1C.

Xoserve AQ Review 2011 - SSP AQ Warnings Report (Registered Shipper User)
 Method 1 - Applying against Ofgem Average Consumption Values

AQ Warning Category	Count of MPRNs	Sum of AQ	Average AQ (Column 3 / Column 2)	Expected AQ using Ofgem Average Consumption (kWh) (Column 2 * Ofgem Average AQ)			Diff. to Ofgem Average Consumption (kWh) (Column 5 - Column 3)			Probable Mix applied and summed against (Columns 5, 6, 7)	Probable Difference (Column 11 - Column 3)	Probable Error (Column 12 / Column 3)	What is overall impact on each SSP Cust?		
				11,000	16,500	23,000	11,000	16,500	23,000				kWh per Cust (Column 12 / 21,271,153)	Cost per Cust (Column 14 * AUG SAP)	Total Cost (£m) (Column 15 * 21,271,153)
AQ not calculated due to the absence of reads since previous AQ calculation	674,592	9,528,103,158	14,124	7,420,512,000	11,130,768,000	15,515,616,000	-2,107,591,158	1,602,664,842	5,987,512,842	10,402,208,640	874,105,482	9%	41	£1.09	£23,163,795.27
AQ not calculated due to the application of backstop date	2	678	339	22,000	33,000	46,000	21,322	32,322	45,322	30,840	30,162	4449%	0	£0.00	£799.29
Calculated annual quantity is negative	242,406	4,353,034,883	17,958	2,666,466,000	3,999,699,000	5,575,338,000	-1,686,568,883	-353,335,883	1,222,303,117	3,737,900,520	-615,134,363	-14%	-29	£0.00	£-16,301,060.62
Consumption gap. AQ calculated bases on reduced metered period	25	412,924	16,517	275,000	412,500	575,000	-137,924	-424	162,076	385,500	-27,424	-7%	0	£0.00	£-726.74
Consumption Gap AQ not calculated	769	8,758,317	11,389	8,459,000	12,688,500	17,687,000	-299,317	3,930,183	8,928,683	11,857,980	3,099,663	35%	0	£0.00	£82,141.07
Consumption overlap. AQ not calculated based on reduced metered period	49	741,874	15,140	539,000	808,500	1,127,000	-202,874	66,626	385,126	755,580	13,706	2%	0	£0.00	£363.21
Consumption overlap. AQ not calculated	5,402	83,697,923	15,494	59,422,000	89,133,000	124,246,000	-24,275,923	5,435,077	40,548,077	83,298,840	-399,083	0%	0	£0.00	£-10,575.70
Consumption starts more than three years before Target Opening Date	5,773	81,482,875	14,114	63,503,000	95,254,500	132,779,000	-17,979,875	13,771,625	51,296,125	89,019,660	7,536,785	9%	0	£0.01	£199,724.80
Insufficient Consumption Data to Calculate AQ	1,135,985	14,078,028,291	12,393	12,495,835,000	18,743,752,500	26,127,655,000	-1,582,193,291	4,665,724,209	12,049,626,709	17,516,888,700	3,438,860,409	24%	162	£4.28	£91,129,800.84
LDZ Calorific Valuae does not exist	29	388,142	13,384	319,000	478,500	667,000	-69,142	90,358	278,858	447,180	59,038	15%	0	£0.00	£1,564.51
Meter read request does not exist	2,058	49,496,694	24,051	22,638,000	33,957,000	47,334,000	-26,858,694	-15,538,694	-2,162,694	31,734,360	-17,762,334	-36%	-1	£0.00	£-470,701.85
Reconnection does not exist	1	1	1	11,000	16,500	23,000	10,999	16,499	22,999	15,420	15,419	1541900%	0	£0.00	£408.60
Reconnection effective date is in the relevant metered period. AQ not calculated	51,996	642,382,167	12,354	571,926,000	857,934,000	1,195,908,000	-70,426,167	215,551,833	553,525,833	801,778,320	159,396,153	25%	7	£0.20	£4,223,998.05
Supply Point does not exist	11	176,847	16,077	121,000	181,500	253,000	-55,847	4,653	76,153	169,620	-4,653	-4%	0	£0.00	£-191.52
Supply Point History not contiguous over whole of relevant metered period	15,418	278,961,289	18,093	169,598,000	254,397,000	354,614,000	-109,363,289	-24,564,289	75,652,711	237,745,560	-41,215,729	-15%	-2	£0.05	£-1,082,216.82
Total	2,134,516	29,105,666,063	13,636	23,479,676,000	35,219,514,000	49,093,868,000	-5,625,990,063	6,113,847,937	19,988,201,937	32,914,236,720	3,808,570,657	13%	179	£4.74	£100,927,122

Note 1: Missing Meter Reads
 Note 2: New MPRNs or period between reading i.e. 6 months and 1 day not achieved
 Note 3: Excluded
 Note 4: Calculated AQ value derived by Xoserve is less than the minimum AQ value of 1

Method 2 using Data Set 1C.

Method 2 - Mod 81 Report 10 - Complete Data Set including SSP AQ Warnings with RSU

2011 AQ Review Average AQ (kWh), Mod 81, Report 10		15,213		7			8			9		
AUGE SAP		0.0265		What is overall impact of understatement on each SSP Cust live in the Xoserve database?								
SSP Customer Nos, 2011 AQ Review, Mod 81, Report 10		21,271,248										
SSP Customer Nos, 2011 AQ Review, Mod 81, Report 10 less Transco A/c		21,271,153										
AQ Warning Category	Count of MPRNs	Sum of AQ	Average AQ (Column 2 / Column 1)	Variance to 2011 AQ Review Average (Column 4 - 15,213kWh)	Under/over statement against Warnings Report (Column 5 * Column 2)	kWh per SSP Cust (Column F / 21,271,153)	Cost per SSP Cust (Column 7 * AUG SAP)	Total SSP Cost (£m) (Column 8 * 21,271,153)				
AQ not calculated due to the absence of reads since previous AQ calculation	674,592	9,528,103,158	14,124	-1,089	-734,464,938	35	£0.92	£19,463,321	Note 1			
AQ not calculated due to the application of backstop date	2	678	339	-14,874	-29,748	0	£0.00	£788	Note 4			
Calculated annual quantity is negative	242,406	4,353,034,883	17,958	2,745	665,312,405	-31	£-0.83	£-17,630,779	Note 4			
Consumption gap. AQ calculated bases on reduced metered period	25	412,924	16,517	1,304	32,599	0	£0.00	£864				
Consumption Gap AQ not calculated	769	8,758,317	11,389	-3,824	-2,940,480	0	£0.00	£77,923				
Consumption overlap. AQ not calculated based on reduced metered period	49	741,874	15,140	-73	-3,563	0	£0.00	£94				
Consumption overlap. AQ not calculated	5,402	83,697,923	15,494	281	1,517,297	0	£0.00	£40,208				
Consumption starts more than three years before Target Opening Date	5,773	81,482,875	14,114	-1,099	-6,341,774	0	£0.01	£168,057	Note 2			
Insufficient Consumption Data to Calculate AQ	1,135,985	14,078,028,291	12,393	-2,820	-3,203,711,514	151	£3.99	£84,898,355	Note 2			
LDZ Calorific Valuae does not exist	29	388,142	13,384	-1,829	-53,035	0	£0.00	£1,405				
Meter read request does not exist	2,058	49,496,694	24,051	8,838	18,188,340	-1	£-0.02	£-481,991				
Reconnection does not exist	1	1	1	-15,212	-15,212	0	£0.00	£403				
Reconnection effective date is in the relevant metered period. AQ not calculated	51,996	642,382,167	12,354	-2,859	-148,632,981	7	£0.19	£3,938,774				
Supply Point does not exist	11	176,847	16,077	864	9,504	0	£0.00	£252				
Supply Point History not contiguous over whole of relevant metered period	15,418	278,961,289	18,093	2,880	44,407,255	-2	£-0.06	£-1,176,792				
Total	2,134,516	29,105,666,063	13,636		-3,366,725,845	158	£4.19	£89,218,235				

Note 1: Missing Meter Reads
 Note 2: New MPRNs or required period between readings (i.e. 6 months and 1 day) not achieved
 Note 3: Excluded, as these "belong" to Xoserve
 Note 4: Calculated AQ value derived by Xoserve is less than the minimum AQ value of 1

Method 3 using Data Set 1C.

Method 3 - Mod 81 Report 10 - Excluding SSP AQ Warnings with RSU

2011 AQ Review Average AQ (kWh), Mod 81, Report 10		15,389		7			8			9		
AUGE SAP		0.0265		What is overall impact of understatement on each SSP Cust live in the Xoserve database?								
SSP Customer Nos, 2011 AQ Review, Mod 81, Report 10		21,271,248										
SSP Customer Nos, 2011 AQ Review, Mod 81, Report 10 less Transco A/c (95)		21,271,153										
AQ Warning Category	Count of MPRNs	Sum of AQ	Average AQ (Column 2 / Column 1)	Variance to 2011 AQ Review Average (Column 4 - 15,389kWh)	Under/over statement (Column 5 * Column 2)	kWh per SSP Cust (Column F / 19,136,637)	Cost per SSP Cust (Column 7 * AUG SAP)	Total SSP Cost (£m) (Column 8 * 21,271,153)				
AQ not calculated due to the absence of reads since previous AQ calculation	674,592	9,528,103,158	14,124	-1,265	-853,193,130	40	£1.06	£22,609,618	Note 1			
AQ not calculated due to the application of backstop date	2	678	339	-15,050	-30,100	0	£0.00	£798	Note 4			
Calculated annual quantity is negative	242,406	4,353,034,883	17,958	2,569	622,648,949	-29	£-0.78	£-16,500,197	Note 4			
Consumption gap. AQ calculated bases on reduced metered period	25	412,924	16,517	1,128	28,199	0	£0.00	£747				
Consumption Gap AQ not calculated	769	8,758,317	11,389	-4,000	-3,075,824	0	£0.00	£81,509				
Consumption overlap. AQ not calculated based on reduced metered period	49	741,874	15,140	-249	-12,187	0	£0.00	£323				
Consumption overlap. AQ not calculated	5,402	83,697,923	15,494	105	566,545	0	£0.00	£-15,013				
Consumption starts more than three years before Target Opening Date	5,773	81,482,875	14,114	-1,275	-7,357,822	0	£0.01	£194,982	Note 2			
Insufficient Consumption Data to Calculate AQ	1,135,985	14,078,028,291	12,393	-2,996	-3,403,644,874	160	£4.24	£90,196,589	Note 2			
LDZ Calorific Valuae does not exist	29	388,142	13,384	-2,005	-58,139	0	£0.00	£1,541				
Meter read request does not exist	2,058	49,496,694	24,051	8,662	17,826,132	-1	£-0.02	£-472,392				
Reconnection does not exist	1	1	1	-15,388	-15,388	0	£0.00	£408				
Reconnection effective date is in the relevant metered period. AQ not calculated	51,996	642,382,167	12,354	-3,035	-157,784,277	7	£0.20	£4,181,283				
Supply Point does not exist	11	176,847	16,077	888	7,568	0	£0.00	£201				
Supply Point History not contiguous over whole of relevant metered period	15,418	278,961,289	18,093	2,704	41,693,687	-2	£-0.05	£-1,104,883				
Total	2,134,516	29,105,666,063	13,636		-3,742,400,661	176	£4.66	£99,173,618				

Summary - Key Contributors - SSP Warnings Report	Cost per SSP Cust (£m)	Total SSP Cost (£m)
Note 1: Missing Meter Reads	£1.06	£22,609,618
Note 2: New MPRNs or period between reading i.e. 6 months and 1 day not achieved	£4.24	£90,196,589
Note 4: Calculated AQ value derived by Xoserve is less than the minimum AQ value of 1	£-0.78	£-16,500,197
Totals	£4.53	£96,306,010

Method 4 - Using same probable error as SSP market Sector

1	2	3	4	5	6	7	8	9
					What is overall impact of understatement on each SSP Cust live in the Xoserve database?			
AQ Warning Category	Count of MPRNs	Sum of AQ	Average AQ Column 3 / Column 2	Probable difference at 13% error Column 3 *13%	kWh per SSP Customer Column 5 / 21,271,153	Cost Per SSP Customer (£) Column 6 *0.265p/kWh	Total SSP Cost (£m) Under/Overstated Column 7 * 21,271,153	
AQ not calculated due to the absence of reads since the previous AQ calculation	12,326	2,751,144,005	223,198	357,648,721	17	0.45	£9,477,691	Note 1
AQ not calculated due to the application of backstop date	664	35,066,805,561	52,811,454	4,558,684,723	214	5.68	£120,805,145	
Consumption gap. AQ calculated based on reduced metered period	8,826	1,205,763,181	136,615	156,749,214	7	0.20	£4,153,854	Note 4
Consumption gap. AQ not calculated	5,488	980,364,376	178,638	127,447,369	6	0.16	£3,377,355	
Consumption overlap. AQ calculated based on reduced metered period	35	59,896,160	1,711,319	7,786,501	0	0.01	£206,342	
Consumption overlap. AQ not calculated	60	22,070,693	367,845	2,869,190	0	0.00	£76,034	
Consumption starts before earliest possible start meter read date.	3,968	809,874,830	204,102	105,283,728	5	0.13	£2,790,019	
Consumption starts more than three years before Target Opening Date	33	3,706,903	112,330	481,897	0	0.00	£12,770	
Consumption for Meter Point are not contiguous	8	530,136,901	66,267,113	68,917,797	3	0.09	£1,826,322	Note 2
Insufficient consumption data to calculate AQ	15,074	4,507,876,399	299,050	586,023,952	28	0.73	£15,529,634	
Meter Point not DM for whole of DM AQ Calculation Period. AQ not calculated	6	711,666,507	118,611,085	92,516,646	4	0.12	£2,451,691	
Negative consumption during metered period. AQ not calculated.	5,042	2,238,176,258	443,906	290,962,914	14	0.36	£7,710,517	
Reconnection Effective date is in the relevant metered period. AQ not calculated.	1,915	590,529,833	308,371	76,768,878	4	0.10	£2,034,375	
Supply Point History not contiguous over whole of relevant metered period.	147	42,525,407	289,288	5,528,303	0	0.01	£146,500	
	53,592	49,520,537,014	241,964,313	6,437,669,812	303	8	£170,598,250	

Note 1: Missing Meter Reads

Note 2: New MPRNs or period between reading i.e. 6 months and 1 day not achieved

Note 3: Excluded

Note 4: There is not enough readings/consumption after the AQ/WC backstop date for AQ to be revised. It is a DM meter point, AQ is not calculated if AQ_WC_BACKSTOP date falls after the earliest possible start meter read date. If its an NDM Meter Point, AQ is not calculated if AQ_WC_BACKSTOP date falls within 6 months before processing date.

Summary - Key Contributors - LSP Warnings Report	Cost per SSP Cust	Total SSP Cost (£m)
Note 1: Missing Meter Reads	£0.45	£9,477,691
Note 2: New MPRNs or period between reading i.e. 6 months and 1 day not achieved	£0.73	£15,529,634
Note 4: There is not enough readings/consumption after the AQ/WC backstop date for AQ to be revised. It is a DM meter point, AQ is not calculated if AQ_WC_BACKSTOP date falls after the earliest possible start meter read date. If its an NDM Meter Point, AQ is not calculated if AQ_WC_BACKSTOP date falls within 6 months before processing date.	£5.68	£120,805,145
	£6.65	£145,812,470.45

Method 5 - Applying a % Variance Excluding Warning Category "Meter Point is owned by Transco. AQ not calculated"

1	2	3	4	5
Market Sector	Count of MPRN	Sum of AQ	AUG SAP	SSP Customer Population
LSP AQ Warning Report with Registered Shipper User	53,660	70,418,076,291	0.0265	21,271,153
Meter Point is owned by Transco. AQ not calculated	68	20,897,539,277		
	53,592	49,520,537,014		

6	7	8	9	10
What is overall impact on each SSP Cust live in the Xoserve				
LSP % Variance	Error to SSP/LSP Column 3 *Column 6	kWh per SSP Customer Column 7 / Column 5	Cost Per SSP Customer (£) Column 8 * 0.265p/kWh	Total SSP Cost (£m) Under/Overstated Column 9 * Column 5
-1%	-495,205,371	23	£0.62	£13,122,942
-2%	-990,410,739	47	£1.23	£26,245,885
-3%	-1,485,616,109	70	£1.85	£39,368,827
-4%	-1,980,821,480	93	£2.47	£52,491,769
-5%	-2,476,026,850	116	£3.08	£65,614,712
-6%	-2,971,232,220	140	£3.70	£78,737,654
6%	2,971,232,222	-140	-£3.70	-£78,737,654
5%	2,476,026,852	-116	-£3.08	-£65,614,712
4%	1,980,821,482	-93	-£2.47	-£52,491,769
3%	1,485,616,111	-70	-£1.85	-£39,368,827
2%	990,410,741	-47	-£1.23	-£26,245,885
1%	495,205,371	-23	-£0.62	-£13,122,942