
Appendix: Supporting evidence for Metering enhancement

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1. Metering enhancement supporting evidence

1.1 Complexity within the Yorkshire Water Programme

The data regards our meter portfolio, from which we have undertaken a bottom-up build of costs. Differences in the % of each of these install types, as well as secondary factors such as % void, % requiring relocation, % traffic sensitive, % water sensitive will provide further differentials in smart metering delivery cost, and help to explain prices that water companies have submitted.

The table shows the complexity within the Yorkshire Water programme, and differences are abundant within water companies' metering programmes. Information shared within the SMAG group shows an anonymised breakdown of four water companies deployment plans, with meters broken down into a relatively high level groupings of price differential. It is clear to see that the makeup of the programmes are vastly different.

Meter size	Meter Type	Meter Location	Meter Customer	number of customers	% of exchange programme
15	screw in	external	HH	684,861	48.34%
15	screw in	internal	HH	111,817	7.89%
15	screw in	external	NHH	36,005	2.54%
15	screw in	internal	NHH	12,719	0.90%
15	in line	external	HH	34,172	2.41%
15	in line	internal	HH	337,026	23.79%
15	in line	external	NHH	13,307	0.94%
15	in line	internal	NHH	21,603	1.52%
20	screw in	external	HH	1,447	0.10%
20	screw in	internal	HH	337	0.02%
20	screw in	external	NHH	2,981	0.21%
20	screw in	internal	NHH	1,295	0.09%
20	in line	external	HH	1,371	0.10%
20	in line	internal	HH	1,452	0.10%
20	in line	external	NHH	6,739	0.48%
20	in line	internal	NHH	4,184	0.30%
25	in line	external	HH	1,163	0.08%

25	in line	internal	HH	318	0.02%
25	in line	external	NHH	6,490	0.46%
25	in line	internal	NHH	2,961	0.21%
30	in line	external	HH	190	0.01%
30	in line	internal	HH	30	0.00%
30	in line	external	NHH	933	0.07%
30	in line	internal	NHH	196	0.01%
40	in line	external	HH	388	0.03%
40	in line	internal	HH	67	0.00%
40	in line	external	NHH	3,111	0.22%
40	in line	internal	NHH	662	0.05%
50	in line	external	HH	100	0.01%
50	in line	internal	HH	18	0.00%
50	in line	external	NHH	1,682	0.12%
50	in line	internal	NHH	254	0.02%
80	in line	external	HH	103	0.01%
80	in line	internal	HH	31	0.00%
80	in line	external	NHH	707	0.05%
80	in line	internal	NHH	110	0.01%
100	in line	external	HH	295	0.02%
100	in line	internal	HH	15	0.00%
100	in line	external	NHH	293	0.02%
100	in line	internal	NHH	46	0.00%
125	in line	external	HH	0	0.00%
125	in line	internal	HH	1	0.00%
125	in line	external	NHH	1	0.00%
125	in line	internal	NHH	0	0.00%
150	in line	external	HH	39	0.00%
150	in line	internal	HH	3	0.00%

150	in line	external	NHH	81	0.01%
150	in line	internal	NHH	14	0.00%
200	in line	external	HH	0	0.00%
200	in line	internal	HH	0	0.00%
200	in line	external	NHH	7	0.00%
200	in line	internal	NHH	0	0.00%
250	in line	external	HH	0	0.00%
250	in line	internal	HH	0	0.00%
250	in line	external	NHH	4	0.00%
250	in line	internal	NHH	1	0.00%
300	in line	external	HH	0	0.00%
300	in line	internal	HH	0	0.00%
300	in line	external	NHH	0	0.00%
300	in line	internal	NHH	1	0.00%
DMO				125,000	8.82%
total exchange				1,291,626	91.18%
total in plan exchange				1,416,626	100.00%