

Appendix 1 Wind farm bid prices as at 31 May 2015

Table 1. Bid prices submitted 31 May 2015 for reducing output by onshore wind farms showing the subsidy per MWh and the surplus portion of the bid price over the subsidy forgone.

BMUnit	Wind Farm	Bid Price per MWh	Owner	ROCs per MWh	Subsidy Lost per MWh	Surplus charge per MWh
T_BLLA-2	Black Law Ext ³	£135	Scottish Power	0.9	£40	£94
E_BRYBW-1	Berry Burn	£100	Statkraft	0.9	£40	£60
E_BABAW-1	Baillie	£100	Statkraft	1.0	£45	£55
T_CRGHW-1	Carraig Gheal	£97	GreenPower	1.0	£45	£52
T_CRYRW-2	Crystal Rig II	£88	FredOlsen	1.0	£45	£43
T_ACHRW-1	AChruach	£83	Infinis	0.9	£40	£43
E_TULWW-2	Tullo Ext	£83	Eneco	0.9	£40	£43
E_MOYEW-1	Moy	£82	Eneco	0.9	£40	£42
T_LCLTW-1	Lochluichart	£82	Eneco	0.9	£40	£42
T_EDINW-1	Edinbane	£85	Vattenfall	1.0	£45	£40
T_FALGW-1	Fallago Rig	£85	EdF	1.0	£45	£40
E_GLOFW-1	Glens of Foudland	£85	Centrica	1.0	£45	£40
E_GDSTW-1	Gordonstown	£83	Infinis	1.0	£45	£38
E_MINSW-1	Minsca	£83	Infinis	1.0	£45	£38
E_DALSW-1	Dalswinton	£83	Infinis	1.0	£45	£38
T_KILBW-1	Kilbraur 1	£75	Falck	1.0	£45	£30
T_MILWW-1	Millennium 1	£75	Falck	1.0	£45	£30
T_FARR-1	Farr Unit 1	£72	RWE NPOWER	1.0	£45	£27
T_FARR-2	Farr Unit 2	£72	RWE NPOWER	1.0	£45	£27
T_ANSUW-1	An Suidhe 1	£70	RWE NPOWER	1.0	£45	£25
T_GRIFW-1	Griffin 1	£65	SSE	1.0	£45	£20
T_CLDSW-1	Clyde South	£65	SSE	1.0	£45	£20
T_TDBNW-1	Toddleburn	£65	SSE	1.0	£45	£20
T_CLDCW-1	Clyde Central	£65	SSE	1.0	£45	£20
T_GRIFW-2	Griffin 2	£65	SSE	1.0	£45	£20
T_HADHW-1	Hadyard Hill	£65	SSE	1.0	£45	£20
T_CLDNW-1	Clyde North	£65	SSE	1.0	£45	£20
T_GORDW-1	Gordonbush	£65	SSE	1.0	£45	£20
T_STRNW-1	Strathy North	£60	SSE	0.9	£40	£20
T_WHILW-1	Whitelee	£62	Scottish Power	1.0	£45	£17
T_WHILW-2	Whitelee Ext	£62	Scottish Power	1.0	£45	£17
E_CLFLW-1	Clachan Flats	£60	Scottish Power	1.0	£45	£16

³ Black Law Extension commenced generation 22 April 2016 so may still be in a commissioning phase. Two other wind farms commenced generation in 2016: Moy, 4 March 2016 and AChruach, 1 March 2016

T_MKHLW-1	Mark Hill	£60	Scottish Power	1.0	£45	£16
T_DNLWW-1	Dunlaw Extension	£60	Scottish Power	1.0	£45	£16
T_ARCHW-1	Arecleoch	£60	Scottish Power	1.0	£45	£16
E_BETHW-1	Beinn Tharsuinn	£60	Scottish Power	1.0	£45	£16
T_BLLA-1	Black Law	£60	Scottish Power	1.0	£45	£16
T_HRSTW-1	Harestanes	£60	Scottish Power	1.0	£45	£16
E_BTUIW-2	Beinn an Tuirc	£60	Scottish Power	1.0	£45	£16

Table 2. Bid prices submitted 31 May 2015 for reducing output by offshore wind farms showing the subsidy per MWh and the surplus portion of the bid price over the subsidy forgone.

BMUnit	Wind Farm	Bid Price per MWh	Owner	ROCs per MWh	Subsidy Lost per MWh	Surplus charge per MWh
T_SHRSW-1	Sheringham Shoal 1	£195	Statkraft/Statoil ASA/UKGIB	2.0	£90	£105
T_SHRSW-2	Sheringham Shoal 2	£195	Statkraft/Statoil ASA/UKGIB	2.0	£90	£105
T_WTMSO-1	Westermost Rough	£188	Dong/Marubeni/UKGIB	2.0	£90	£99
T_GNFSW-1	Gunfleet Sands 1	£161	DONG/Marubeni/DBJ	1.5	£67	£94
T_GNFSW-2	Gunfleet Sands 2	£161	DONG/Marubeni/DBJ	1.5	£67	£94
T_LNCSW-1	Lincs 1	£175	Centrica/DONG/Siemens	2.0	£90	£85
T_LNCSW-2	Lincs 2	£175	Centrica/DONG/Siemens	2.0	£90	£85
T_WLNYO-2	Walney 2	£172	DONG/PGGM & Ampere Equity/SSE	2.0	£90	£83
T_WLNYW-1	Walney 1	£172	DONG/PGGM & Ampere Equity/SSE	2.0	£90	£83
T_GYMR-15	Gwynt y Mor 15	£170	RWE/SWM/Siemens AG/UKGIB	2.0	£90	£80
T_GYMR-17	Gwynt y Mor 17	£170	RWE/SWM/Siemens/UKGIB	2.0	£90	£80
T_GYMR-28	Gwynt y Mor 28	£170	RWE/SWM/Siemens/UKGIB	2.0	£90	£80
T_GYMR-26	Gwynt y Mor 26	£170	RWE/SWM/Siemens /UKGIB	2.0	£90	£80
T_HMGTO-1	Humber 1	£158	E.ON	2.0	£90	£68
T_HMGTO-2	Humber 2	£158	E.ON	2.0	£90	£68
E_BURBO	Burbo	£129	DONG	1.5	£67	£62
T_RREW-1	Robin Rigg East	£142	E.ON	2.0	£90	£53
T_LARYW-3	London Array 3	£141	DONG/E.On/Masdar/CDPG	2.0	£90	£52
T_LARYW-1	London Array 1	£141	DONG/E.On/Masdar/CDPG	2.0	£90	£52
T_LARYW-2	London Array 2	£141	DONG/E.On/Masdar/CDPG	2.0	£90	£52
T_LARYW-4	London Array 4	£141	DONG/E.On/Masdar/CDPG	2.0	£90	£52
T_WDNSO-1	West of Duddon Sands 1	£140	Scottish Power,DONG	2.0	£90	£51
T_WDNSO-2	West of Duddon Sands 2	£140	Scottish Power,DONG	2.0	£90	£51
T_GRGBW-2	Greater Gabbard 2	£140	SSE/RWE	2.0	£90	£50
T_GRGBW-3	Greater Gabbard 3	£140	SSE/RWE	2.0	£90	£50
T_GRGBW-1	Greater Gabbard 1	£140	SSE/RWE	2.0	£90	£50
T_THNTO-1	Thanet 1	£135	Vattenfall	2.0	£90	£45

REF response Ofgem Constraint Consultation

T_THNTO-2	Thanet 2	£135	Vattenfall	2.0	£90	£45
T_RRWW-1	Robin Rigg West	£111	E.ON	1.5	£67	£43
T_OMNDW-1	Ormonde	£130	Vattenfall/AMF	2.0	£90	£40
T_BOWLW-1	Barrow	£82	DONG	1.0	£45	£38

Appendix 2 Historic bid prices per onshore wind farm and owner/operator

The following charts show the variation in bid price for individual wind farms for different owner/operators between May 2012 and May 2016. These show the different bidding strategies adopted by different operators for different aged wind farms over the 4 years.







