

Appendix 1 - Leakage Prediction																																						
Southern GWh	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2030	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
	569.0	553.0	537.0	521.0	505.0	489.0	473.0	457.0	441.0	425.0	409.0	393.0	377.0	361.0	345.0		329.0	324.9	320.9	316.9	312.9	308.9	304.9	300.9	296.9	292.9	288.9	284.9	280.9	276.9	272.9	268.9	264.9	260.9	256.9	252.9	248.9	244.9
Scotland GWh	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2030	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
	225.3	213.1	207.8	202.4	197.1	191.7	186.4	181.1	175.7	170.4	165.0	159.7	154.4	149.0	143.7		138.3	137.3	136.3	135.3	134.3	133.3	132.3	131.3	130.3	129.3	128.3	127.3	126.3	125.3	124.3	123.3	122.3	121.3	120.3	119.3	118.3	117.3

Appendix 2 - Costs																																								
Southern (SO + SE)	CO2e / GWh		DECC '12		Cost / GWh		2014		2015		2016		2017		2018		2019		2020		2021		2022		2023		2024		2025		2026		2027		2028		2029		2030	
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050			
Total Leakage (GWh) Forecast	569.00	542.50	537.00	521.00	505.00	489.00	473.00	457.00	441.00	425.00	409.00	393.00	377.00	361.00	345.00	329.00	324.90	320.90	316.90	312.90	308.90	304.90	300.90	296.90	292.90	288.90	284.90	280.90	276.90	272.90	268.90	264.90	260.90	256.90	252.90	248.90	244.90			
Costs	£12,542,467	£8,670,778	£8,542,059	£8,499,594	£8,385,020	£8,272,413	£8,252,433	£8,007,097	£7,903,161	£7,786,425	£6,954,089	£7,514,553	£7,359,417	£7,191,481	£7,010,745	£6,811,209	£6,862,213	£6,904,089	£6,946,765	£6,984,241	£7,018,517	£7,049,593	£7,077,469	£7,102,145	£7,123,621	£7,141,897	£7,158,973	£7,168,849	£7,175,925	£7,182,001	£7,185,277	£7,186,353	£7,186,229	£7,185,005	£7,182,981	£7,179,957	£7,176,933			
Carbon Costs (Tonnes CO2e)	105,384	96,494	99,458	94,594	93,537	90,568	87,604	84,641	81,678	78,714	75,751	72,788	69,824	66,861	63,897	60,934	60,175	59,434	58,693	57,952	57,211	56,471	55,730	54,989	54,248	53,507	52,766	52,025	51,285	50,544	49,803	49,062	48,321	47,580	46,840	46,099	45,358			
Scotland (SC)	CO2e / GWh		DECC '12		Cost / GWh		2014		2015		2016		2017		2018		2019		2020		2021		2022		2023		2024		2025		2026		2027		2028		2029		2030	
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050			
Total Leakage (GWh) Forecast	225.30	198.10	207.77	202.43	197.09	191.75	186.40	181.06	175.72	170.37	165.03	159.69	154.35	149.01	143.67	138.33	137.33	136.33	135.33	134.33	133.33	132.33	131.33	129.33	128.33	127.33	126.33	125.33	124.33	123.33	122.33	121.33	120.33	119.33	118.33	117.33				
Costs	£4,966,288	£3,166,232	£3,305,066	£3,302,467	£3,272,466	£3,243,764	£3,265,967	£3,172,355	£3,149,030	£3,121,431	£3,089,558	£3,053,464	£3,013,099	£2,968,461	£2,919,552	£2,866,370	£2,866,370	£2,900,582	£2,933,994	£2,966,605	£2,998,417	£3,029,425	£3,059,646	£3,089,052	£3,117,664	£3,145,475	£3,172,487	£3,198,639	£3,224,110	£3,248,722	£3,272,534	£3,295,545	£3,317,757	£3,339,166	£3,359,786	£3,379,592	£3,398,604	£3,416,815		
Carbon Costs (Tonnes CO2e)	41,728	36,690	38,402	37,492	36,509	35,512	34,524	33,534	32,545	31,555	30,566	29,576	28,587	27,598	26,609	25,620	25,435	25,250	25,065	24,880	24,694	24,509	24,324	24,139	23,954	23,768	23,583	23,398	23,213	23,027	22,842	22,657	22,472	22,287	22,101	21,916	21,731			
SGN Total	CO2e / GWh		DECC '12		Cost / GWh		2014		2015		2016		2017		2018		2019		2020		2021		2022		2023		2024		2025		2026		2027		2028		2029		2030	
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050			
Total Leakage (GWh) Forecast	794.30	740.60	744.77	723.43	702.09	680.75	659.40	638.06	616.72	595.37	574.03	552.69	531.35	510.01	488.67	467.33	462.23	457.23	452.23	447.23	442.23	437.23	432.23	427.23	422.23	417.23	412.23	407.23	402.23	397.23	392.23	387.23	382.23	377.23	372.23	367.23	362.23			
Costs	£17,508,755	£17,837,016	£17,847,125	£17,802,061	£17,657,480	£17,516,177	£17,353,400	£17,179,452	£17,002,191	£16,827,856	£16,646,447	£16,458,017	£16,262,316	£16,059,942	£15,839,297	£15,603,579	£15,362,795	£15,116,082	£14,864,082	£14,612,082	£14,360,082	£14,108,082	£13,856,082	£13,604,082	£13,352,082	£13,100,082	£12,848,082	£12,596,082	£12,344,082	£12,092,082	£11,840,082	£11,588,082	£11,336,082	£11,084,082	£10,832,082	£10,580,082	£10,328,082	£10,076,082		
Carbon Costs (Tonnes CO2e)	1,000,000	920,000	940,000	880,000	840,000	800,000	760,000	720,000	680,000	640,000	600,000	560,000	520,000	480,000	440,000	400,000	360,000	320,000	280,000	240,000	200,000	160,000	120,000	80,000	40,000	0,000	-40,000	-80,000	-120,000	-160,000	-200,000	-240,000	-280,000	-320,000	-360,000	-400,000	-440,000			
% Annual Leakage Reduction	0.000%	6.761%	-0.564%	2.866%	2.950%	3.040%	3.135%	3.237%	3.345%	3.461%	3.585%	3.718%	3.861%	4.016%	4.184%	4.367%	4.569%	4.791%	5.034%	5.288%	5.562%	5.856%	6.170%	6.504%	6.858%	7.232%	7.626%	8.040%	8.474%	8.928%	9.402%	9.896%	10.410%	10.944%	11.508%	12.102%	12.726%			

