

Appendix D - Number of Turbines by Distance Grouping 2016 Sales Ratio Study by Market area

Market Area	Distance	Density	Sale Count	LoA	95% LCL	95% UCL
201601RR010	Within 1km	1.00 1km: 1 to 3 IWTS	9	1.142	.987	1.327
		Overall	9	1.142	.987	1.327
	1km to 2km	1.00 2km: 1 to 3 IWTS	2	1.072		
		2.00 2km: 4 to 6 IWTS	2	1.169		
		Overall	4	1.072		
2km to 5km	1.00 5km: 1 to 3 IWTS	29	.960	.892	.985	
	2.00 5km: 4 to 6 IWTS	5	1.099			
	3.00 5km: 7 to 9 IWTS	2	1.004			
	Overall	36	.965	.921	1.011	
Outside 5km	Overall	11914	.990	.988	.993	
201605RR030	Within 1km	1.00 1km: 1 to 3 IWTS	27	.978	.873	1.071
		2.00 1km: 4 to 6 IWTS	3	1.110		
		Overall	30	.984	.929	1.071
	1km to 2km	1.00 2km: 1 to 3 IWTS	9	.968	.805	1.194
		2.00 2km: 4 to 6 IWTS	2	.790		
		3.00 2km: 7 to 9 IWTS	2	.851		
		Overall	13	.938	.783	.996
	2km to 5km	1.00 5km: 1 to 3 IWTS	265	.950	.939	.961
		2.00 5km: 4 to 6 IWTS	65	.944	.922	.971
		3.00 5km: 7 to 9 IWTS	1	.944		
4.00 5km: 10 to 15 IWTS		1	1.046			
5.00 5km: 16 to 20 IWTS		1	.873			
6.00 5km: 21 to 30 IWTS		2	1.129			
Overall		335	.949	.940	.959	
Outside 5km	Overall	3748	.963	.959	.970	
201616RR030	2km to 5km	1.00 5km: 1 to 3 IWTS	6	.783	.577	1.313
		Overall	6	.783	.577	1.313
	Outside 5km	Overall	6482	.967	.964	.970
201618RR010	Within 1km	1.00 1km: 1 to 3 IWTS	11	.956	.929	1.233
		Overall	11	.956	.929	1.233
	1km to 2km	1.00 2km: 1 to 3 IWTS	45	.961	.884	1.020
		Overall	45	.961	.884	1.020
	2km to 5km	1.00 5km: 1 to 3 IWTS	43	1.017	.926	1.059
		2.00 5km: 4 to 6 IWTS	51	1.016	.914	1.064
3.00 5km: 7 to 9 IWTS		1	.999			
Overall		95	1.016	.968	1.043	
Outside 5km	Overall	2262	.973	.966	.983	
201618WF010	1km to 2km	1.00 2km: 1 to 3 IWTS	18	.937	.877	1.010
		Overall	18	.937	.877	1.010
	2km to 5km	1.00 5km: 1 to 3 IWTS	18	.860	.733	.981
		2.00 5km: 4 to 6 IWTS	10	.952	.779	1.106
		3.00 5km: 7 to 9 IWTS	3	.998		
		Overall	31	.899	.803	.983
Outside 5km	Overall	186	.902	.880	.931	

Market Area	Distance	Density	Sale Count	LoA	95% LCL	95% UCL
201619RR010	1km to 2km	1.00 2km: 1 to 3 IWTS	8	1.012	.685	1.559
		Overall	8	1.012	.685	1.559
	2km to 5km	1.00 5km: 1 to 3 IWTS	22	.963	.935	1.121
		2.00 5km: 4 to 6 IWTS	16	1.059	.958	1.133
Overall		38	.995	.954	1.097	
Outside 5km	Overall	1742	.954	.948	.961	
201620RR010	Within 1km	1.00 1km: 1 to 3 IWTS	234	1.002	.968	1.038
		2.00 1km: 4 to 6 IWTS	13	1.136	1.010	1.315
		Overall	247	1.019	.978	1.041
	1km to 2km	1.00 2km: 1 to 3 IWTS	272	.984	.966	1.005
		2.00 2km: 4 to 6 IWTS	68	.938	.896	.980
		3.00 2km: 7 to 9 IWTS	11	1.016	.858	1.211
		Overall	351	.976	.957	.996
	2km to 5km	1.00 5km: 1 to 3 IWTS	146	.964	.940	.979
		2.00 5km: 4 to 6 IWTS	234	.982	.961	1.005
		3.00 5km: 7 to 9 IWTS	156	.986	.964	1.009
4.00 5km: 10 to 15 IWTS		615	.986	.970	.995	
5.00 5km: 16 to 20 IWTS		67	.989	.944	1.017	
6.00 5km: 21 to 30 IWTS		12	.994	.764	1.314	
Overall	1230	.981	.972	.989		
Outside 5km	Overall	6961	.963	.960	.967	
201622RR010	Within 1km	1.00 1km: 1 to 3 IWTS	51	.978	.879	1.045
		2.00 1km: 4 to 6 IWTS	30	.975	.914	1.089
		3.00 1km: 7 to 9 IWTS	2	1.023		
		Overall	83	.989	.924	1.038
	1km to 2km	1.00 2km: 1 to 3 IWTS	57	.946	.899	1.010
		2.00 2km: 4 to 6 IWTS	8	.999	.874	1.338
		4.00 2km: 10 to 15 IWTS	2	.875		
		Overall	67	.949	.927	1.001
	2km to 5km	1.00 5km: 1 to 3 IWTS	88	.952	.920	.994
		2.00 5km: 4 to 6 IWTS	62	.899	.860	.972
3.00 5km: 7 to 9 IWTS		25	.896	.853	.999	
4.00 5km: 10 to 15 IWTS		17	1.023	.874	1.059	
5.00 5km: 16 to 20 IWTS		14	.938	.866	1.086	
6.00 5km: 21 to 30 IWTS		11	.986	.828	1.188	
Overall	217	.938	.913	.972		
Outside 5km	Overall	2570	.950	.944	.957	
201622UR020	2km to 5km	1.00 5km: 1 to 3 IWTS	136	.924	.915	.940
		2.00 5km: 4 to 6 IWTS	329	.923	.916	.934
		3.00 5km: 7 to 9 IWTS	75	.950	.919	.981
		4.00 5km: 10 to 15 IWTS	142	.931	.918	.946
		5.00 5km: 16 to 20 IWTS	7	.879	.769	.982
		Overall	689	.926	.922	.934
	Outside 5km	Overall	3149	.936	.934	.940

Market Area	Distance	Density	Sale Count	LoA	95% LCL	95% UCL
201622UR030	1km to 2km	1.00 2km: 1 to 3 IWTS	94	.924	.889	.951
		2.00 2km: 4 to 6 IWTS	41	.939	.908	.955
		Overall	135	.936	.911	.950
	2km to 5km	2.00 5km: 4 to 6 IWTS	36	.941	.879	1.001
		3.00 5km: 7 to 9 IWTS	2	1.016		
		Overall	38	.947	.882	1.001
Outside 5km	Overall	3610	.962	.958	.966	
201623RR010	Within 1km	1.00 1km: 1 to 3 IWTS	13	1.013	.866	1.302
		Overall	13	1.013	.866	1.302
	1km to 2km	1.00 2km: 1 to 3 IWTS	83	1.047	1.004	1.076
		2.00 2km: 4 to 6 IWTS	5	.935		
		3.00 2km: 7 to 9 IWTS	1	.936		
		Overall	89	1.032	.995	1.076
	2km to 5km	1.00 5km: 1 to 3 IWTS	46	1.027	.931	1.109
		2.00 5km: 4 to 6 IWTS	86	.980	.955	1.018
		3.00 5km: 7 to 9 IWTS	70	.956	.925	1.007
		4.00 5km: 10 to 15 IWTS	68	.997	.973	1.067
5.00 5km: 16 to 20 IWTS		13	1.091	.800	1.217	
6.00 5km: 21 to 30 IWTS		1	1.041			
Overall	284	.986	.971	1.008		
Outside 5km	Overall	7156	.987	.984	.991	
201623UR030	2km to 5km	1.00 5km: 1 to 3 IWTS	107	.977	.935	1.021
		2.00 5km: 4 to 6 IWTS	184	.982	.963	1.010
		3.00 5km: 7 to 9 IWTS	38	.964	.931	1.005
		4.00 5km: 10 to 15 IWTS	24	.949	.911	1.067
		Overall	353	.973	.959	.991
	Outside 5km	Overall	9567	.964	.961	.966
201624RR010	Within 1km	1.00 1km: 1 to 3 IWTS	22	.827	.750	.979
		2.00 1km: 4 to 6 IWTS	1	.850		
		Overall	23	.844	.768	.949
	1km to 2km	1.00 2km: 1 to 3 IWTS	47	.986	.963	1.037
		2.00 2km: 4 to 6 IWTS	6	1.076	.908	1.285
		3.00 2km: 7 to 9 IWTS	1	.564		
		4.00 2km: 10 to 15 IWTS	1	.828		
		Overall	55	.994	.963	1.056
	2km to 5km	1.00 5km: 1 to 3 IWTS	137	.958	.936	.988
		2.00 5km: 4 to 6 IWTS	47	.946	.886	.989
		3.00 5km: 7 to 9 IWTS	16	1.076	.859	1.146
		4.00 5km: 10 to 15 IWTS	54	1.009	.923	1.043
		5.00 5km: 16 to 20 IWTS	2	1.214		
6.00 5km: 21 to 30 IWTS		12	.950	.888	1.194	
Overall	268	.961	.946	.989		
Outside 5km	Overall	3731	.969	.965	.974	

Market Area	Distance	Density	Sale Count	LoA	95% LCL	95% UCL
201625RR010	Within 1km	1.00 1km: 1 to 3 IWTs	20	1.056	.901	1.147
		2.00 1km: 4 to 6 IWTs	10	1.018	.900	1.080
		3.00 1km: 7 to 9 IWTs	2	.963		
		Overall	32	1.030	.929	1.081
	1km to 2km	1.00 2km: 1 to 3 IWTs	24	.937	.796	1.067
		2.00 2km: 4 to 6 IWTs	9	.944	.835	1.260
		3.00 2km: 7 to 9 IWTs	2	1.053		
		5.00 2km: 16 to 20 IWTs	2	.923		
		Overall	37	.938	.875	.989
	2km to 5km	1.00 5km: 1 to 3 IWTs	104	.980	.936	1.033
		2.00 5km: 4 to 6 IWTs	31	.988	.918	1.078
		3.00 5km: 7 to 9 IWTs	22	1.009	.892	1.121
		4.00 5km: 10 to 15 IWTs	39	.989	.937	1.055
5.00 5km: 16 to 20 IWTs		29	.988	.921	1.093	
6.00 5km: 21 to 30 IWTs		20	1.043	.925	1.079	
7.00 5km: 31 to 40 IWTs		5	.993			
Overall		250	.988	.971	1.016	
Outside 5km	Overall	3473	.970	.965	.976	
201625UR010	1km to 2km	1.00 2km: 1 to 3 IWTs	24	1.020	.925	1.085
		Overall	24	1.020	.925	1.085
	2km to 5km	1.00 5km: 1 to 3 IWTs	238	.947	.926	.971
		2.00 5km: 4 to 6 IWTs	18	.972	.872	1.053
		3.00 5km: 7 to 9 IWTs	13	.980	.888	1.176
4.00 5km: 10 to 15 IWTs		10	.897	.759	1.026	
Overall	279	.947	.926	.971		
Outside 5km	Overall	6130	.976	.972	.980	
201626RR010	Within 1km	1.00 1km: 1 to 3 IWTs	286	1.025	1.004	1.050
		2.00 1km: 4 to 6 IWTs	12	1.023	.985	1.132
		Overall	298	1.025	1.007	1.048
	1km to 2km	1.00 2km: 1 to 3 IWTs	654	1.028	1.017	1.039
		2.00 2km: 4 to 6 IWTs	234	1.026	1.009	1.044
		3.00 2km: 7 to 9 IWTs	22	1.055	.957	1.280
		4.00 2km: 10 to 15 IWTs	10	1.091	.949	1.408
		Overall	920	1.028	1.019	1.037
	2km to 5km	1.00 5km: 1 to 3 IWTs	471	1.031	1.010	1.054
		2.00 5km: 4 to 6 IWTs	316	1.048	1.021	1.066
		3.00 5km: 7 to 9 IWTs	175	1.055	1.029	1.096
		4.00 5km: 10 to 15 IWTs	107	1.010	.989	1.047
		5.00 5km: 16 to 20 IWTs	13	1.025	.921	1.145
		6.00 5km: 21 to 30 IWTs	22	.987	.938	1.068
		7.00 5km: 31 to 40 IWTs	5	1.032		
		Overall	1109	1.035	1.024	1.049
	Outside 5km	Overall	847	1.016	1.004	1.028

Market Area	Distance	Density	Sale Count	LoA	95% LCL	95% UCL
201626RR030	Within 1km	1.00 1km: 1 to 3 IWTS	17	1.037	.942	1.112
		2.00 1km: 4 to 6 IWTS	1	1.154		
		Overall	18	1.045	.942	1.154
	1km to 2km	1.00 2km: 1 to 3 IWTS	110	1.028	1.004	1.076
		2.00 2km: 4 to 6 IWTS	39	.981	.921	1.035
		3.00 2km: 7 to 9 IWTS	3	1.024		
		Overall	152	1.017	.994	1.043
	2km to 5km	1.00 5km: 1 to 3 IWTS	83	1.002	.981	1.035
		2.00 5km: 4 to 6 IWTS	300	.985	.972	1.012
		3.00 5km: 7 to 9 IWTS	63	1.009	.961	1.047
		4.00 5km: 10 to 15 IWTS	53	.896	.846	.958
		5.00 5km: 16 to 20 IWTS	6	1.075	.890	1.484
		6.00 5km: 21 to 30 IWTS	52	1.066	.976	1.133
Overall		557	.989	.975	1.009	
Outside 5km	Overall	2530	1.000	.993	1.005	
201626UR010	2km to 5km	1.00 5km: 1 to 3 IWTS	511	.999	.993	1.009
		2.00 5km: 4 to 6 IWTS	27	1.026	.974	1.086
		3.00 5km: 7 to 9 IWTS	18	.982	.903	1.038
		4.00 5km: 10 to 15 IWTS	3	.921		
	Overall	559	.999	.993	1.009	
Outside 5km	Overall	2125	1.004	.999	1.010	
201627RR010	Within 1km	1.00 1km: 1 to 3 IWTS	206	.963	.942	1.000
		2.00 1km: 4 to 6 IWTS	10	1.002	.962	1.176
		Overall	216	.971	.950	1.000
	1km to 2km	1.00 2km: 1 to 3 IWTS	374	.970	.953	.983
		2.00 2km: 4 to 6 IWTS	75	.948	.911	1.010
		3.00 2km: 7 to 9 IWTS	9	1.079	.873	1.284
		4.00 2km: 10 to 15 IWTS	25	.954	.857	1.038
	Overall	483	.967	.951	.982	
	2km to 5km	1.00 5km: 1 to 3 IWTS	536	.978	.968	.992
		2.00 5km: 4 to 6 IWTS	259	.981	.968	.993
		3.00 5km: 7 to 9 IWTS	216	.977	.948	1.006
		4.00 5km: 10 to 15 IWTS	382	.975	.956	.987
		5.00 5km: 16 to 20 IWTS	37	.982	.903	1.019
6.00 5km: 21 to 30 IWTS		6	.877	.752	.987	
Overall		1436	.978	.971	.984	
Outside 5km	Overall	3915	.976	.970	.980	
201627UR070	Within 1km	1.00 1km: 1 to 3 IWTS	4	1.040		
		Overall	4	1.040		
	1km to 2km	1.00 2km: 1 to 3 IWTS	234	1.008	.981	1.023
		2.00 2km: 4 to 6 IWTS	31	1.052	.933	1.137
		Overall	265	1.013	.988	1.029
	2km to 5km	1.00 5km: 1 to 3 IWTS	19	.934	.872	1.015
		2.00 5km: 4 to 6 IWTS	4	.996		
		3.00 5km: 7 to 9 IWTS	5	1.007		
4.00 5km: 10 to 15 IWTS		222	.981	.965	.995	
Overall	250	.979	.964	.994		
Outside 5km	Overall	4762	.970	.967	.973	

Market Area	Distance	Density	Sale Count	LoA	95% LCL	95% UCL
201630RR010	1km to 2km	1.00 2km: 1 to 3 IWTS	3	1.053		
		2.00 2km: 4 to 6 IWTS	1	1.242		
		Overall	4	1.099		
201630RR010	2km to 5km	1.00 5km: 1 to 3 IWTS	5	1.018		
		2.00 5km: 4 to 6 IWTS	9	.899	.729	1.003
		3.00 5km: 7 to 9 IWTS	2	.574		
		4.00 5km: 10 to 15 IWTS	1	.707		
		Overall	17	.819	.729	1.003
Outside 5km	Overall	1883	.967	.957	.976	
201631RR010	1km to 2km	1.00 2km: 1 to 3 IWTS	1	1.477		
		2.00 2km: 4 to 6 IWTS	5	.944		
		3.00 2km: 7 to 9 IWTS	1	1.278		
201631RR010	2km to 5km	Overall	7	.951	.878	1.477
		1.00 5km: 1 to 3 IWTS	4	.928		
		2.00 5km: 4 to 6 IWTS	1	.730		
		3.00 5km: 7 to 9 IWTS	1	.691		
		4.00 5km: 10 to 15 IWTS	2	1.094		
		7.00 5km: 31 to 40 IWTS	2	.919		
		8.00 5km: 41 + IWTS	15	1.034	.982	1.103
Overall	25	1.022	.942	1.049		
Outside 5km	Overall	2527	.968	.960	.976	
201631UR010	1km to 2km	1.00 2km: 1 to 3 IWTS	1	1.724		
		2.00 2km: 4 to 6 IWTS	3	1.195		
		3.00 2km: 7 to 9 IWTS	2	.989		
201631UR010	2km to 5km	4.00 2km: 10 to 15 IWTS	1	1.277		
		5.00 2km: 16 to 20 IWTS	2	.772		
		6.00 2km: 21 to 30 IWTS	3	1.172		
		Overall	12	1.138	.919	1.277
		1.00 5km: 1 to 3 IWTS	6	.901	.791	1.068
		2.00 5km: 4 to 6 IWTS	4	1.148		
201631UR010	2km to 5km	3.00 5km: 7 to 9 IWTS	2	.871		
		4.00 5km: 10 to 15 IWTS	16	1.108	1.018	1.247
		5.00 5km: 16 to 20 IWTS	2	1.288		
		8.00 5km: 41 + IWTS	1	1.002		
		Overall	31	1.068	1.013	1.132
Outside 5km	Overall	4180	1.009	1.004	1.014	
201645WF050	1km to 2km	1.00 2km: 1 to 3 IWTS	2	1.057		
		Overall	2	1.057		
201645WF050	2km to 5km	1.00 5km: 1 to 3 IWTS	275	.940	.922	.957
		2.00 5km: 4 to 6 IWTS	170	.968	.942	.984
		3.00 5km: 7 to 9 IWTS	91	.971	.943	1.021
		4.00 5km: 10 to 15 IWTS	39	.964	.861	.994
		5.00 5km: 16 to 20 IWTS	13	.991	.896	1.147
		6.00 5km: 21 to 30 IWTS	7	.877	.774	1.014
		7.00 5km: 31 to 40 IWTS	1	.787		
		Overall	596	.956	.946	.967
Outside 5km	Overall	1162	.974	.964	.984	

Market Area	Distance	Density	Sale Count	LoA	95% LCL	95% UCL
201678WF040	2km to 5km	1.00 5km: 1 to 3 IWTS	22	.985	.884	1.063
		Overall	22	.985	.884	1.063
	Outside 5km	Overall	1300	.998	.989	1.007