

APPENDICES TO REBUTTAL PROOF ON PLANNING MATTERS

COTMOOR SOLAR FARM, LAND NORTH OF HALLOUGHTON, SOUTHWELL

ON BEHALF OF JBM SOLAR PROJECTS 6 LTD

TOWN & COUNTRY PLANNING ACT 1990 (AS AMENDED)
PLANNING AND COMPULSORY PURCHASE ACT 2004

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PROPOSAL:

**CONSTRUCTION OF A SOLAR FARM AND BATTERY STATIONS TOGETHER
WITH ALL ASSOCIATED WORKS, EQUIPMENT AND NECESSARY
INFRASTRUCTURE**

Pegasus Group

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DESIGN | **ENVIRONMENT** | **PLANNING** | **ECONOMICS** | **HERITAGE**

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APPENDIX 1

REVIEW OF HONOR WHITFIELD'S APPENDIX A & B

APPENDIX 1: REVIEW OF HONOR WHITFIELD'S APPENDIX A & B

Appellant Rebuttal Proof on Planning Matters , Appendix 1

Appendix A

This table identifies all solar photovoltaic developments approved in the District since 2011

Table Site Ref	LPA's Estimate				Appellant's Estimate		
	NSDC Planning Reference	Proposal	Date Approved	Output (kWp)	Output (kWp)	Output (MWp)	Notes
1	11/00333/FULM	Installation of 4.6MW solar farm with associated infrastructure	25-05-2011	46000	4600	4.6	Wrong conversion factor applied by LPA: 4.6MW is 4,600 kW rather than the claimed 46,000 kW
2	11/00488/FUL	Installation of solar photovoltaic panels to the existing flat roof of the club house	17-06-2011	7.56	7.56	0.00756	
3	11/00535/FUL	Installation of a solar photovoltaic array to south facing roof slope of six detached single storey poultry sheds and erection of ancillary electrical equipment.	12-07-2011	264	264	0.264	
4	11/00831/FUL	The installation of Solar PV panels to the south facing roof of Yates Engineering workshop at The Station Yard, Thurgarton NG14 7HD	17-08-2011	9.67	9.67	0.00967	
5	11/01547/FUL	Installation of ground based solar PV system	28-12-2011	42000	48	0.048	The DAS states there will be 59 panel stands of 4 panels each = 236 panels. The manufacturer's panel sheet submitted refers to panels in the range of 180w-205w each. The maximum installed capacity would be 48.38kWp (236 panels x 205w = 48.38kW)
6	11/01346/FUL	Installation of 50kW solar array to roof of poultry unit	29-12-2011	50	50	0.05	
7	11/01136/FUL	Installation of a solar photovoltaic array flush mounted to south facing roof slope of two single storey poultry sheds and erection of ancillary electrical equipment.	29-12-2011	50	50	0.05	
8	11/01345/FUL	Erection of a 50kW solar array on existing poultry farm roof	29-12-2011	50	50	0.05	
9	11/01616/FUL	Installation of a 10kW Solar P.V. system to the roof of the premises. The installation will consist of 42 solar panels mounted on the roof in 2 lines of 21 panels. The panels will be mounted on extruded aluminium beams which are fixed to the roof using a	04-01-2012	10	10	0.01	
10	11/01553/FUL	The proposed installation of solar photovoltaic panels on the roof of the building at Old Hall Farm to generate renewable energy.	10-01-2012	41.6	49.9	0.0499	From a review of the application documents, it is believed that the LPA stated this figure incorrectly.
11	11/01793/FUL	Installation of a 50kW solar photovoltaic array on south facing roof slope of single poultry houses (part retrospective)	02-03-2012	50	50	0.05	
Total April 2011 - March 2012				88,533	5,189	5.19	
12	11/01519/FUL	Installation of photovoltaic solar panels on the roof of the existing grain store	10-04-2012	5.32	5.32	0.00532	
13	12/00300/FUL	Installation of 6kW solar photovoltaic array to roof (retrospective)	22-05-2012	6	6	0.006	
14	12/00568/FUL	Installation of ground mounted photo voltaic solar panel array	19-06-2012	3.84	3.84	0.00384	
15	12/00648/FUL	Installation of solar photovoltaic array to south facing roof slope of barn (retrospective)	25-07-2012	0.25	0.25	0.00025	
16	12/01069/FUL	Installation of a 250kW Ground Mounted Solar PV Array	27-09-2012	250	250	0.25	
17	12/01311/FUL	Installation of a 730kW Ground mounted solar PV array and all associated electrical connections.	14-01-2013	730	730	0.73	
Total April 2012 - March 2013				995	995	1.00	
18	13/00581/FUL	The proposal is for a 31.5kW ground mounted solar PV array consisting of 126 panels.	09-07-2013	31.5	31.5	0.0315	
19	12/01594/FULM	Solar Farm	12-08-2013	9800	7800	7.8	Consent was varied in 2014, reducing scale to 7800 (14/01283/FULM). LPA didn't account for this reduction
20	13/01169/FUL	Installation of a 180kW ground mounted solar PV system comprising of approximately 734 panels.	01-11-2013	180	180	0.18	
Total April 2013 - March 2014				10,012	8,012	8.01	
21	14/00975/FULM	Construction of a Solar Farm with On-Site Equipment Rooms and Plant, Security Fencing, Landscaping and Associated Works (Resubmission of 13/01422/FULM)	23-07-2014	14000	14000	14	
22	14/01297/FUL	Installation of 160 solar panels (40kw) which will be ground mounted within the garden of Virginia Cottage. The power generated will be used by the dwelling and associated buildings.	12-09-2014	40	40	0.04	
23	14/00839/FULM	Installation and operation of a solar farm and associated infrastructure, including photovoltaic panels, mounting frames, inverters, transformers, substations, communications building, storage building, fence and pole mounted security cameras, for the life of the solar farm	08-10-2014	11650	11880	11.88	From a review of the application documents, it is believed that the LPA stated this figure incorrectly.
24	14/01546/FULM	Installation and operation of a solar farm and associated infrastructure, including photovoltaic panels, mounting frames, inverters, transformers, substations, communications building, fence and pole mounted security cameras, for the life of the solar farm	10-12-2014	19670	19670	19.67	
25	14/01853/FUL	Proposal for 240 kW ground mounted solar PV system comprising of 960 panels	06-01-2015	240	240	0.24	
26	14/01782/FULM	Erection of a total of 26,200sqm floor space (GIA) for B8 use (storage and distribution) including 1,550sqm ancillary office space (Use Class B1), the construction of a ground mounted solar farm totalling 2.2ha in size and associated works.	13-01-2015	1900	1900	1.9	
27	14/01705/FUL	Erection of Ground Mount Solar PV Panel Array including extension to pump building to house the solar inverters, erection of security fencing and erection of CCTV Cameras	30-01-2015	240	240	0.24	
28	14/02180/FUL	Installation of 10kW ground mounted solar PV array in the rear garden of the property	05-Mar-15	10	10	0.01	
Total April 2014 - March 2015				47,750	47,980	47.98	
29	15/00083/FULM	Installation of a solar farm comprising a solar panel array, new or upgraded access tracks, inverter units, transformer buildings, substation, and associated infrastructure for the generation of renewable energy.	11-May-15	2620	2620	2.62	
30	15/00622/FUL	Erection of a ground mounted solar PV array in two sections; 1) 2 x 6 panels in portrait and 2) 2 x 30 panels in portrait on aluminium framework. Extension to existing garage to form plant room for Biomass Boiler, including new flue. Erection of new pellet store.	04-06-2015	24	24	0.024	
31	15/00324/FULM	Construction of solar photovoltaic farm with attendant equipment and infrastructure	15-06-2015	25000	25000	25	
32	15/00716/FUL	Installation of Ground Mounted Solar Array	23-06-2015	100	100	0.1	
33	15/00666/FUL	Installation of a 100kW solar PV system	01-07-2015	100	100	0.1	
34	15/00665/FUL	The proposed development is for a 150kW solar PV array. The solar PV array covers an area of 678m x 147m x 119m: 1 array of 120 panels, 1 array of 200 panels and 1 array of 280 panels. This includes fencing and room for access.	01-07-2015	150	150	0.15	
35	15/00875/FULM	Construction of a 4.64MW Solar Farm, to include the installation of solar photovoltaic panels with transformer inverters, substations, security fence and gate and other associated infrastructure	09-09-2015	4640	4640	4.64	
36	15/01698/FUL	200kW Solar PV array on unused, currently available land	17-11-2015	200	200	0.2	
37	15/01206/FULM	Installation of a solar farm in the order of approximately 4.99 MWp and associated infrastructure	13-01-2016	4990	4990	4.99	
Total April 2015 - March 2016				37,824	37,824	37.82	
38	13/00893/FULM	Installation of 3.22MW solar park and associated infrastructure and erection of 1 No. 500kW wind turbine measuring 60m to the hub and 87m to the blade tip	19-04-2016	3220	3220	3.22	
39	16/00840/FUL	Installation of solar panels (retrospective)	20-07-2016	260	260	0.26	
40	16/01048/FUL	Installation of 249.6kW of Solar PV panels covering an area of 130m x 30m: 4 arrays of 240 panels.	25-08-2016	249.6	249.6	0.2496	
Total April 2016 - March 2017				3,730	3,730	3.73	
41	17/00084/FUL	Erection of ground mounted Photo Voltaic panels for Bankwood House, including alterations to ground levels	18-04-2017	10	10	0.01	
42	17/00718/LDC	Application for a Lawful Development Certificate for solar PV system to roof	31-05-2017	113362	138	0.138	The LDC application stated the scheme was less than 1MW to benefit from Permitted Development Rights, so it cannot have been more than 1MW. (Calculation: 520 panels x 265w = 137,800w or 137.8kW)
Total April 2017 - March 2018				113,372	148	0.15	
43	18/00410/FUL	Installation of 100kW of solar panels (an extension of an existing 250kW array which was granted permission 16/01048/FUL). The solar PV array would cover an area of 48m x 30m: 4 arrays of 92	24-04-2018	100	100	0.1	
44	18/01565/FULM	Solar PV array covers an area of 130m x 150m. The full array will be made up of 12 rows of 352 panels. Each row will be made up of 8 tables of 44 panels.	28-11-2018	1140.48	1140.48	1.14048	
45	19/00059/FUL	Installation of a ground mounted solar PV array. One row of 28 single panels in rear garden of residential dwelling	15-02-2019	11.34	11.34	0.01134	
Total April 2018 - March 2019				1,252	1,252	1.25	
46	18/02319/FUL	Construction of 199kWp ground mount solar PV installation and switch room building	04-06-2019	199	199	0.199	
47	19/01165/FULM	Installation and operation of a solar farm, 132kW electrical substation and associated infrastructure	26-09-2019	49900	49900	49.9	
48	19/01299/FULM	Solar farm and associated development including substation compound and buildings, inverter cabins, battery compound and containers, storage buildings, switchgear buildings and communications buildings.	06-11-2019	49900	49900	49.9	
49	19/01408/FULM	Installation and operation of a solar farm, 132kW electrical substation and associated infrastructure	29-11-2019	49900	49900	49.9	
Total April 2019 - March 2020				149,899	149,899	149.90	
Total April 2020 - March 2021				-	-	-	
50	21/00428/FUL	Installation of 88 ground mounted solar PV panels.	04-05-2021	26.4	26.4	0.0264	
51	20/02501/FULM	Installation and operation of a Solar Farm together with all associated works, equipment and necessary infrastructure.	20-05-2021	49900	49900	49.9	
Total April 2021 - Nov. 2021				49,926	49,926	49.93	
SOLAR Overall Total 2011-2021				503,293	304,955	304.95	

N.B. In addition to the above identified schemes, consent has been granted in the district for a number of small scale domestic renewable energy proposals.

Appendix B

This table identifies all renewable energy applications (save for applications for solar farm developments) approved in the District since 2011.

NSDC Planning Reference	Proposal	Output (kWp)	Appellant's Estimate				
			Output (kWp)	Output (MWp)	Notes		
52	10/01487/FUL	Erection of 275kW wind turbine (Resubmission)	13-Jan-11	274	274	0.274	
53	10/01605/FUL	Erection of a wind turbine (maximum height to blade tip 66.7m) and associated infrastructure including access tracks, external compact housing with underground cabling to the wind turbine, turbine foundation, crane hardstanding and floodplain storage area	13-Apr-11	330	330	0.33	
54	11/00435/FUL	Erection of 275KW wind turbine (Re-Submission)	25-May-11	275	275	0.275	
55	11/00276/FUL	Installation of a 500kW wind turbine with hub height of 75m, blade diameter of 54m blade to a maximum height of 102m to tip. Transformer station building at turbine base and all ancillary works.	07-Sep-11	500	500	0.5	
56	11/00508/FUL	Installation of 1 wind turbine, with a maximum height to tip of 74m, a new access track, a hardstanding, a small substation, and associated infrastructure.	08-Sep-11	800	800	0.8	
57	11/00873/FUL	Erection of single wind turbine 50 metre hub height, 77m to blade tip	30-Nov-11	500	500	0.5	
58	11/00589/FUL	Erection of 1 twin-bladed wind turbine, with maximum height to tip of 24.8m, and concrete base of 5m2	12-Dec-11	11	11	0.011	
59	11/01371/FUL	Erection of single wind turbine with hub height of 55m and blade tip height of 71m	19-Dec-11	275	275	0.275	
60	11/01156/FUL	Erection of Wind Turbine (50 metres to hub, 67 metres to tip) and transformer kiosk.	16-Feb-12	330	330	0.33	
Total April 2011 - March 2012				3,295	3,295	3.30	
61	12/00433/FUL	Installation of biomass heating plant and associated pipe trench	07-Jun-12	680	650	0.65	According to DAS.
62	12/00716/FUL	Erection of a single wind turbine up to 67m in height to blade tip and transformer kiosk (amendment to planning consent 11/01156/FUL)	27-Jul-12	330	0	0	Double counted
63	12/00916/FUL	Erection of a wind turbine (Renewal of extant planning permission 09/00646/FUL)	15-Aug-12	11	11	0.011	
64	11/01588/FULM	Erection of 3no wind turbines of height between 105m and 126.5m to tip and associated infrastructure including access tracks, 1 switchgear and control building with transformers and grid connection infrastructure, underground cabling, turbine foundations,	22-Aug-12	7500	7500	7.5	
65	12/00949/FUL	Installation of 1 wind turbine, with a maximum height to tip of 77m, a section of new access track, a hardstanding, a small substation and associated infrastructure.	07-Dec-12	500	500	0.5	
Total April 2012 - March 2013				9,021	8,661	8.66	
66	12/01415/FUL	Erection of single wind turbine	19-Apr-13	90	50	0.05	Application documents state 50KW.
67	12/01763/FUL	The installation of a 500kW wind turbine. Hub height 75m, 54m blade diameter and tip height 102m agl. Tower diameter 3.6m at ground level. To include transformer station building at turbine base and all ancillary works. (Grid Reference 476578 358219)	17-Jun-13	500	500	0.5	
68	12/01763/FUL	Erection of a Single Wind Turbine (Resubmission of Planning Application 12/01415/FUL)	09-Aug-13	50	0	0	Double counted - 12/01415/FUL has been counted.
69	13/00406/FUL	The installation of a 500kW wind turbine. Hub height 75m, 54m blade diameter and tip height 102m agl. Tower diameter 3.6m at ground level. To include transformer station building at turbine base and all ancillary works.	06-Sep-13	500	500	0.5	
70	13/00682/FUL	Erection of a wind turbine (maximum height to blade tip of 77m) and associated infrastructure including external compact housing with underground cabling to the wind turbine and turbine foundation.	10-Sep-13	500	500	0.5	
71	13/00452/FUL	Erection of 2no. three bladed, 10kW wind turbines 14.94m to hub, 21.54m to blade tip	30-Sep-13	20	20	0.02	
72	13/01190/FUL	Erection of 1 No. 500kW wind turbine measuring 60m to the hub and 87m to the blade tip	14-Oct-13	500	500	0.5	Incorrect reference - unable to verify.
73	13/00952/FUL	Proposed Erection of 1 No. Wind Turbine and Associated Works and Infrastructure and the Decommissioning and Removal of a Previously Approved Vergnet Wind Turbine and Associated Infrastructure at Rufford Forest Farm, Farnsfield	11/11/2013	500	500	0.5	
74	12/01075/FUL	Erection of Wind Turbine (500kW) with a hub height of 50 metres and a tip height of 78 metres.	11/12/2013	500	500	0.5	
Total April 2013 - March 2014				3,160	3,070	3.07	
75	13/00967/FUL	Installation and commissioning of a single 10kW wind turbine	09/04/2014	10	10	0.01	
76	14/00914/FUL	Installation and commissioning of three small scale wind turbines (hub height 14.9m, tip height 21.5m)	04/09/2014	30	30	0.03	
77	13/01651/FUL	Installation and Commissioning of a single 500kW Wind Turbine Generator with a height of 62m to Blade Tip	11/09/2014	500	500	0.5	
78	14/01415/FUL	Erection of a Steel Portal Frames building with composite cladding designed to house a biomass boiler and fuel store for burning on site poultry litter	02/10/2014	2088	1500	1.5	1500kw according to officer report, according to Biomass Boiler Form, thermal capacity of 2088kw.
79	14/01414/FUL	Erection of a Steel Portal Frames Building with Composite cladding designed to house a BioMass boiler and fuel store for burning on site poultry litter	02/10/2014	2088	1500	1.5	1500kw according to officer report, according to Biomass Boiler Form, thermal capacity of 2088kw.
80	13/01061/FUL	Single 60kW Wind Turbine (triple bladed design) with hub height of 36.8m and tip height of 48.5m	08/10/2014	60	60	0.06	
81	13/01371/FUL	Erection of wind turbine with a tip height up to 77m agl, to include transformer station at base and all ancillary works.	09/6/10/14	500	500	0.5	
82	13/01701/FUL	Erection of a single 500kW wind turbine with a hub height of 50 metres, a rotor diameter of 54 metres and a height to tip of 77.3m	08/12/2014	500	500	0.5	
83	14/00442/FUL	Erection of a single 500kW wind turbine, with a hub height of 75 metres and rotor diameter of 54 metres, producing a tip height of 102m.	16/12/2014	500	500	0.5	
Total April 2014 - March 2015				6,276	5,100	5.10	
84	15/00308/FUL	The demolition of an agricultural shed and the erection of a shed to house a biomass boiler, fuel store and general agricultural storage	17/04/2015	199	199	0.199	
85	15/00215/FUL	Erection of a single 500kW wind turbine with a hub height of 50 metres, rotor diameter of 54 metres and a tip height of 77 metres.	10/06/2015	500	500	0.5	
86	14/02169/FUL	Installation and commissioning of a single 500kW wind turbine generator (Hub Height of 40m and Tip Height of 67m)- Minor Alteration to planning permission 13/01651/FUL	05/08/2015	500	0	0	Double counted
Total April 2015 - March 2016				1,199	699	0.70	
87	13/00893/FULM	Installation of 3.22MW solar park and associated infrastructure and erection of 1 No. 500kW wind turbine measuring 60m to the hub and 87m to the blade tip	19/04/2016	3220	500	0.5	Double counted - in Appendix A
88	16/00507/FULM	The change of use of a former agricultural farmstead and attached land including a small wood to be used for a rural business use including a new bio-mass boiler and metal container for log drying.	11/05/2016	175	175	0.175	
Total April 2016 - March 2017				3,395	675	0.68	
89	17/00952/FUL	Extension of the existing Biomass plantroom to allow sufficient space for a new CHP plant and gas fired boiler plant.	17/07/2017	332	332	0.332	
90	17/00872/FUL	Installation of 3.4m diameter hydropower screw turbine and associated access & infrastructure	25/07/2017	60	60	0.06	

91	17/01220/FUL	Proposed change of use of building from agriculture to a mixed use comprising agriculture (the Applicants' existing forestry business) and the storage of surplus woodchip for sale on to others as biofuel, incorporating the retention of flue (installed Aug 2016) for the existing biomass boiler and the recladding of external elevations	01/09/2017	245	245		Unable to confirm.
92	17/01121/FUL	Proposed installation of a new biomass housing and 660kW biomass boiler.	13/09/2017	660	660	0.66	
93	17/00472/FULM	Amendment to planning approval 16/00507/FULM; to relocate existing Biomass Boiler and drier, install a second biomass boiler and drier.	12/02/2018	350	175	0.175	Double counted. 16/00507/FULM secured consent for first 175kw, this secured consent for second 175kw.
94	16/01271/FUL	Use of land and building and siting of container, biomass boiler and Wood Chip Clamp in connection with wood fuel production business (retrospective, resubmission)	01/03/2018	210	210	0.21	
95	18/00228/FUL	Erection of a building to house two biomass boilers and a pellet storage area, to provide up to 120kW energy to the Care Home.	27/03/2018	120	120	0.12	
96	18/01477/FULM	Erection of a Hydropower Electricity Generating Station, supported by energy storage and fish passage in the area of land adjacent to Cromwell Weir on the right bank of the River Trent near Collingham. The purpose of this development is to generate and s	27/03/2019	1600	1600	1.6	
97	18/02222/FUL	Hydroelectric generation plant comprising Archimedes screw turbines, an adjustable weir crest, a new multi-species fish pass, a turbine house building, hydraulic channels, trash screening, access improvements, an electrical substation and underground cabling	29/03/2019	330	330	0.33	
Total April 2017 - March 2018				3,907	3,732	3.49	
98	19/00744/FUL	Retrospective installation of 60kW Ground Source Heat Pump	18/06/2019	60	60	0.06	
99	19/01223/FUL	Installation of 2 no. biomass boilers with incorporated boiler flues, 2 no. fuel storage silos and associated installation equipment (retrospective)	21/08/2019	1400	1400	1.4	
100	19/01590/FUL	Retrospective installation of 6 no. biomass boilers, 6 no. flues, 4 no. fuel storage silos and associated installation equipment	19/11/2019	1194	1194	1.194	
101	19/01593/FUL	Installation 6 no. biomass boilers, 6 no. flues, 4 no. fuel storage silo's and associated installation equipment (retrospective)	19/11/2019	1194	1194	1.194	
102	19/01589/FUL	Install 6 no. biomass boilers, 6 no. flues, 3 no. fuel storage silo's and associated installation equipment (retrospective)	28/11/2019	1194	1194	1.194	
Total April 2018 - March 2019				5,042	5,042	5.04	
Total April 2019 - March 2020				-	-	-	
103	20/00201/FUL	Change of use of land and barn for the storage, processing and distribution of timber solid fuel including associated kilns, workshop, office and biomass boilers (retrospective)	03/06/2020	350	330	0.33	Biomass Boiler Methodology document suggests head output is 330kw.
104	20/00524/FUL	Retrospective application to retain four installed biomass boilers serving six chicken production units	10/07/2020	1192	1192	1.192	
105	20/00823/FUL	Extension to existing wood store and Biomass boiler facility	21/07/2020	120	120	0.12	
106	20/01080/FUL	Replacement biomass boiler and 13.5m tall chimney	22/07/2020	840	840	0.84	Unable to confirm, no documents available.
107	20/02533/FUL	Installation of a 100kW ground source heat pump system comprising of 1 x Stiebel Eltron WPE 87kW and 1 x Stiebel Eltron WPF S 13kW units and associated ground collector.	16/02/2021	100	97	0.097	NMA approved (21/00694/NMA) reduced overall scheme by 3kw
Total April 2020 - March 2021				2,602	2,579	2.58	
Total April 2021 - Nov. 2021				-	-	-	
OTHER Overall Total 2011-2021				37,897	32,853	33	

N.B. In addition to the above identified schemes, consent has been granted in the district for a number of small scale domestic renewable energy proposals.

Appendix C

541,190

This table identifies all solar photovoltaic developments in the District currently pending consideration, out for pre-application community consultation and pending an EIA Screening Opinion. The table is representative of the proposals as of 3rd November 2021.

NSDC Planning Reference	Proposal			
21/01577/FULM	Installation of a solar farm and battery storage facility with associated infrastructure	Pending Consideration	49900	
21/SCR/00008	Installation of a 49.9MW solar farm and associated infrastructure	Pre-application public consultation. Request for EIA Screening Opinion Pending Consideration	49900	
21/SCR/00009	Installation of a 49.9MW solar farm and associated infrastructure	Pre-application public consultation. Request for EIA Screening Opinion received - EIA Not Required	49900	
21/SCR/00010	Installation of a 49.9MW solar farm and associated infrastructure	Pre-application public consultation. Request for EIA Screening Opinion received - EIA Not Required	49900	

Summary of LPA Figures

Table A

LPA				
Period	Solar (kWp)	Other (kWp)	Total (KWp)	HW's Table pg 22(MWp)
2011	88,533	3,295	91,828	91.83
2012	995	9,021	10,016	10.02
2013	10,012	3,160	13,172	13.13
2014	47,750	6,276	54,026	54.03
2015	37,824	1,199	39,023	39.02
2016	3,730	3,395	7,125	7.12
2017	113,372	3,907	117,279	115.35
2018	1,252	5,042	6,294	3.18
2019	149,899	-	149,899	154.94
2020	-	2,602	2,602	52.53
2021	49,926	-	49,926	
Total	503,293	37,897	541,190	541.15

Summary of Appellant Figures

Table B

Appellant				
Period	Solar (kWp)	Other (kWp)	Total (kWp)	Total (MWp)
2011	5,189	3,295	8,484	8.48
2012	995	8,661	9,656	9.66
2013	8,012	3,070	11,082	11.08
2014	47,980	5,100	53,080	53.08
2015	37,824	699	38,523	38.52
2016	3,730	675	4,405	4.40
2017	148	3,732	3,880	3.88
2018	1,252	5,042	6,294	6.29
2019	149,899	-	149,899	149.90
2020	-	2,579	2,579	2.58
2021	49,926	-	49,926	49.93
Total	304,955	32,853	337,808	337.81

APPENDIX 2

TERMINOLOGY

Energy Capacity

- Capacity is often referred to as the maximum output of electricity that a generator can produce under ideal conditions. Capacity levels allow utilities to project the maximum electricity load that a generator can support. Capacity is generally measured in megawatts or kilowatts.
- One kilowatt (kW) is a unit of measure for electricity that equals 1,000 watts.
- kWp is the kilowatts peak, or the peak power of a PV system or panel. Solar panel systems are given a rating in kilowatts peak which is the rate at which they generate energy at peak performance.

Energy Generation

- Electricity generation refers to the amount of electricity that actually is produced over a specific period of time. This is usually measured in kilowatt-hours, megawatt-hours, or terawatt-hours (1 terawatt equals 1 million megawatts). To understand the unit of megawatt-hours (MWh), consider a wind turbine with a capacity of 1.5 megawatts that is running at its maximum capacity for 2 hours. In this scenario, at the end of the second hour, the turbine would have generated 3 megawatt-hours of energy (i.e. 1.5 megawatts X 2 hours).
- A kWh (kilowatt hour) is a measure calculated to determine how many kilowatts an electric source generates, or an electric device uses, per hour.