

Freeport Fire Department

Monthly Detailed Report: Jan 01, 2012 - Jan 31, 2012







Site: 15 Broadway, Freeport, NY 11520, US

Monthly Summary

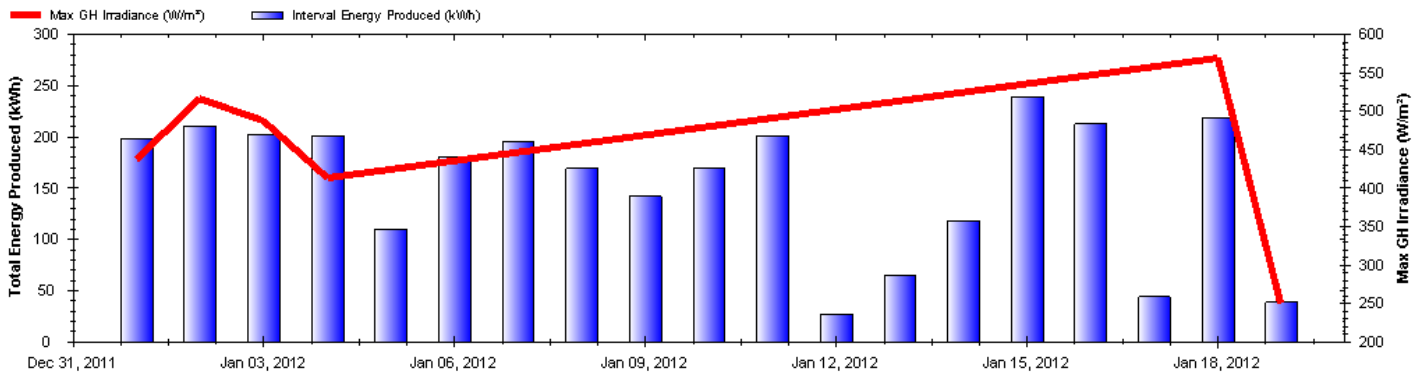
Production

	Jan 01, 2012 - Jan 31, 2012	Dec 01, 2011 - Dec 31, 2011	Jan 01, 2011 - Jan 31, 2011	Lifetime
Energy Production:	2,944.00 kWh	4,015.00 kWh	-	8,756.00 kWh
Maximum AC Power Range:	25.37 - 45.76 kW	4.15 - 42.18 kW	-	4.15 - 45.76 kW

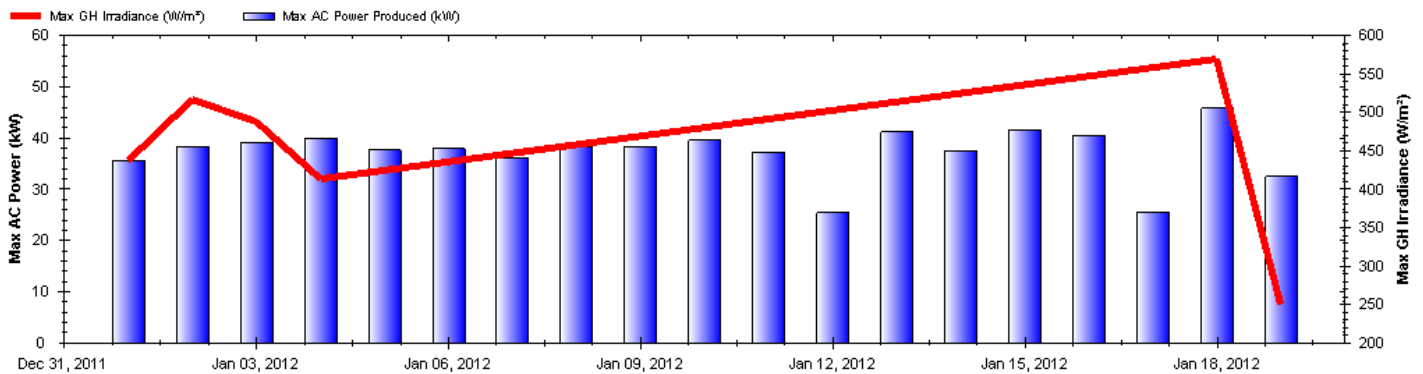
Environmental Impact Summary

 Trees grown for 10 years:	54.20	73.92	-	161.20
 Car miles not driven:	4,867.81 mi	6,638.67 mi	-	14,477.76 mi
 Barrels of crude oil conserved:	5.70	7.77	-	16.95
 Carbon dioxide emissions avoided:	4,660.11 lb	6,355.41 lb	-	13,860.02 lb
 Nitrogen oxides emissions avoided:	7.52 lb	10.26 lb	-	22.37 lb
 Sulfur dioxide emissions avoided:	17.37 lb	23.69 lb	-	51.67 lb

Energy Production



Maximum Power



Detailed Data

Date	Interval Energy Produced (kWh)	Max AC Power Produced (kW)	Avg GH Irradiance (W/m²)	Max GH Irradiance (W/m²)	Avg POA Irradiance (W/m²)	Max POA Irradiance (W/m²)	Avg Ambient Temperature (°F)	Max Ambient Temperature (°F)	Avg Wind Speed (mph)	Max Wind Speed (mph)
1/1/2012	198.00	35.67	85.56	436.94	163.38	733.81	50.81	67.93	0.31	2.36
1/2/2012	211.00	38.32	85.99	515.85	167.97	754.95	42.73	53.02	0.56	1.57
1/3/2012	202.00	39.10	71.96	487.43	158.97	757.45	28.72	40.52	0.20	0.87
1/4/2012	201.00	40.02	65.41	412.31	212.32	778.78	20.67	44.96	0.22	0.93
1/5/2012	110.00	37.70	-	-	-	-	-	-	-	-
1/6/2012	180.00	37.89	-	-	-	-	-	-	-	-
1/7/2012	196.00	36.01	-	-	-	-	-	-	-	-
1/8/2012	169.00	38.40	-	-	-	-	-	-	-	-
1/9/2012	142.00	38.41	-	-	-	-	-	-	-	-
1/10/2012	170.00	39.50	-	-	-	-	-	-	-	-
1/11/2012	201.00	37.31	-	-	-	-	-	-	-	-
1/12/2012	27.00	25.37	-	-	-	-	-	-	-	-
1/13/2012	65.00	41.20	-	-	-	-	-	-	-	-
1/14/2012	118.00	37.58	-	-	-	-	-	-	-	-

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1/15/2012	239.00	41.62	-	-	-	-	-	-	-	-
1/16/2012	213.00	40.50	-	-	-	-	-	-	-	-
1/17/2012	44.00	25.61	-	-	-	-	-	-	-	-
1/18/2012	219.00	45.76	148.13	567.58	270.38	921.79	36.35	50.04	0.46	1.28
1/19/2012	39.00	32.46	7.13	248.84	108.92	616.62	22.30	32.00	0.28	1.17

Environmental Impact Data

Date	Energy Produced (kWh)	Trees grown for 10 years	Car miles not driven (mi)	Barrels of crude oil conserved	Carbon dioxide emissions avoided (lb)	Nitrogen oxides emissions avoided (lb)	Sulfur dioxide emissions avoided (lb)
1/1/2012	198.00	3.65	327.39	0.38	313.42	0.51	1.17
1/2/2012	211.00	3.88	348.88	0.41	334.00	0.54	1.25
1/3/2012	202.00	3.72	334.00	0.39	319.75	0.52	1.19
1/4/2012	201.00	3.70	332.35	0.39	318.17	0.51	1.19
1/5/2012	110.00	2.03	181.88	0.21	174.12	0.28	0.65
1/6/2012	180.00	3.31	297.62	0.35	284.93	0.46	1.06
1/7/2012	196.00	3.61	324.08	0.38	310.25	0.50	1.16
1/8/2012	169.00	3.11	279.44	0.33	267.51	0.43	1.00
1/9/2012	142.00	2.61	234.79	0.27	224.77	0.36	0.84
1/10/2012	170.00	3.13	281.09	0.33	269.10	0.43	1.00
1/11/2012	201.00	3.70	332.35	0.39	318.17	0.51	1.19
1/12/2012	27.00	0.50	44.64	0.05	42.74	0.07	0.16
1/13/2012	65.00	1.20	107.48	0.13	102.89	0.17	0.38
1/14/2012	118.00	2.17	195.11	0.23	186.78	0.30	0.70
1/15/2012	239.00	4.40	395.18	0.46	378.32	0.61	1.41
1/16/2012	213.00	3.92	352.19	0.41	337.16	0.54	1.26
1/17/2012	44.00	0.81	72.75	0.09	69.65	0.11	0.26
1/18/2012	219.00	4.03	362.11	0.42	346.66	0.56	1.29
1/19/2012	39.00	0.72	64.49	0.08	61.73	0.10	0.23