



Cooper Farms' Wind VW

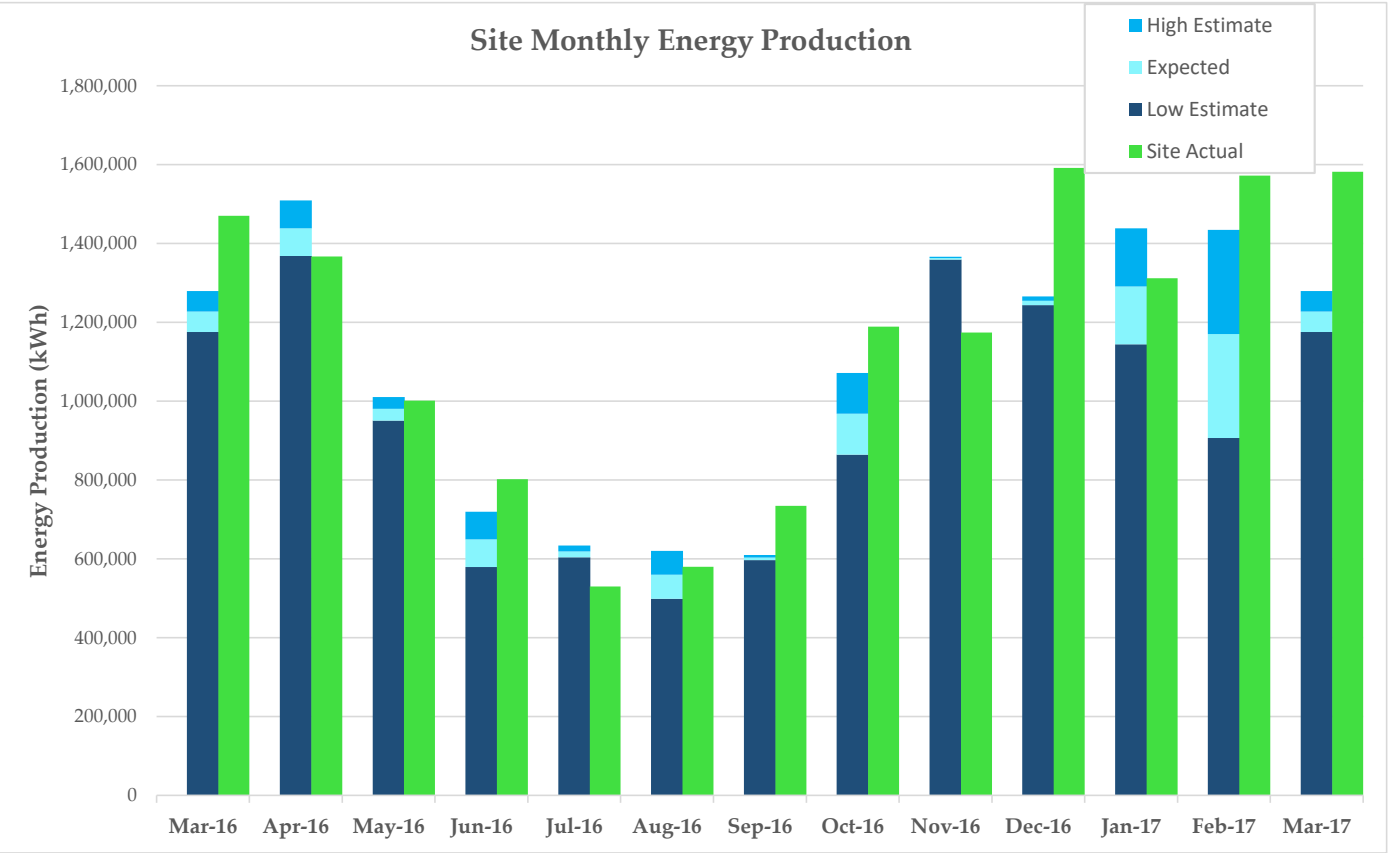
Van Wert, OH

A. Site Energy Production Summary

	Energy Production (kWh)				
	Site		By Turbine		
	Expected Production	Actual YTD	WTG 1	WTG 2	WTG 3
Mar-16	1,227,217	1,470,230	486,390	491,480	492,360
Apr-16	1,438,497	1,366,540	456,840	456,850	452,850
May-16	980,450	1,001,290	336,470	329,250	335,570
Jun-16	649,158	801,910	277,710	253,130	271,070
Jul-16	618,687	529,840	183,200	170,520	176,120
Aug-16	559,508	580,070	194,910	191,420	193,740
Sep-16	603,085	734,680	252,480	233,810	248,390
Oct-16	967,926	1,188,990	404,800	383,900	400,290
Nov-16	1,362,692	1,173,980	484,660	444,930	244,390
Dec-16	1,254,397	1,591,430	579,520	576,970	434,940
Jan-17	1,290,968	1,311,480	532,310	521,710	257,460
Feb-17	1,170,349	1,572,230	533,230	515,160	523,840
Mar-17	1,227,217	1,581,840	535,650	530,270	515,920
2017 Annual	12,122,935	4,465,550	1,601,190	1,567,140	1,297,220
Rolling 12 month Capacity Factor:					34.08%

B. Site Energy Production Graph

March-2017



Monthly Report

March-2017



C. Safety Summary

	This Month	Project Cumulative
Recordable Incident(s):	0	0
Near Miss(es):	0	0

D. Planned Maintenance Events

Date	Event	Duration (hrs)	Turbine
April-2017	Goldwind 5 year maintenance	~8	WTG 1
April-2017	Goldwind 5 year maintenance	~8	WTG 2
April-2017	Goldwind 5 year maintenance	~8	WTG 3

E. Actual Maintenance Events

Date	Event	Planned/Unplanned	Duration (hrs)	Turbine
3/1/2017	Grid Fault	Unplanned	4.64, 5.89, 5.99	WTG 1
3/8/2017	High Wind Event	Unplanned	7.26	WTG 1, 2, 3
3/9/2017	Stiffener Retrofit	Unplanned	7.09	WTG 1
3/16/2017	Generator Inspection	Unplanned	5.63	WTG 3
3/20/2017	Grid Fault	Unplanned	4.34, 4.15, 6.42	WTG 1, 2, 3
3/27 - 3/28/2017	Tower Base UPS Converter	Unplanned	21.38	WTG 3

F. Turbine Availability & Downtime

Availability (%)	This Month	2017 Annual
WTG 1	98.67%	99.52%
WTG 2	99.93%	99.97%
WTG 3	96.30%	79.49%
Avg		92.99%

Downtime (hrs)	This Month	2017 Annual
WTG 1	29.99	33.77
WTG 2	23.29	37.68
WTG 3	52.40	470.13
Total	105.68	541.58

G. Wind Speed & Capacity Factor

Wind Speed (mph)	This Month	2017 Annual
WTG 1	16.58	15.69
WTG 2	14.89	14.74
WTG 3	15.42	15.16
Estimated	14.92	13.39

Capacity Factor (%)	This Month	2017 Annual
WTG 1	48.00%	49.42%
WTG 2	47.52%	48.37%
WTG 3	46.23%	40.04%
Low Estimate	35.10%	28.70%

H. Report Notes and Comments