



Cooper Farms' Wind VW

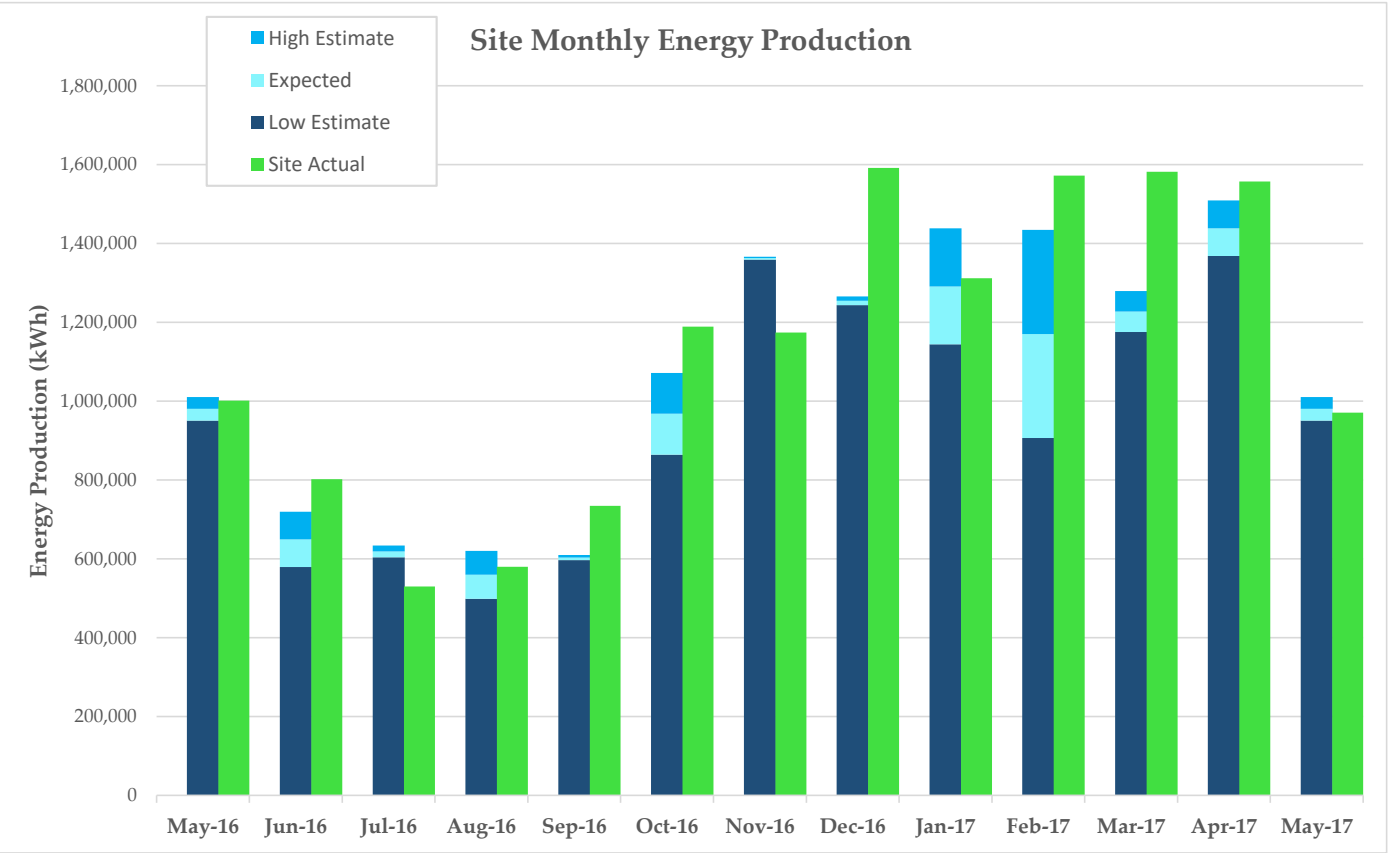
Van Wert, OH

A. Site Energy Production Summary

	Energy Production (kWh)				
	Site		By Turbine		
	Expected Production	Actual YTD	WTG 1	WTG 2	WTG 3
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
Apr-17	1,438,497	1,557,140	513,210	522,740	521,190
May-17	980,450	970,970	251,820	307,320	411,830
2017 Annual	12,122,935	6,993,660	2,366,220	2,397,200	2,230,240
Rolling 12 month Capacity Factor:					34.49%

B. Site Energy Production Graph

May-2017



Monthly Report

May-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
September-1-2017	Goldwind 5.5 year maintenance	~8	WTG 1
October-1-2017	Goldwind 5.5 year maintenance	~8	WTG 2
October-2017	Goldwind 5.5 year maintenance	~8	WTG 3

E. Actual Maintenance Events

Date	Event	Planned/Unplanned	Duration (hrs)	Turbine
5/2 - 5/11/2017	Transformer Issues	Unplanned	219.83	WTG 1
5/2 - 5/10/2017	Transformer Issues	Unplanned	175.28	WTG 2
5/2 - 5/3/2017	Transformer Issues	Unplanned	28.83	WTG 3
5/8 - 5/10/2017	Transformer Issues	Unplanned	24.03	WTG 3
5/9/2017	Goldwind 5 year maintenance	Planned	6.00	WTG 2
5/16/2017	Goldwind 5 year maintenance	Planned	4.67	WTG 3
5/14 - 5/22/2017	Grid Fault	Unplanned	65.04	WTG 1
5/18 - 5/22/2017	Grid Fault	Unplanned	30.51	WTG 2
5/19 - 5/21/2017	Grid Fault	Unplanned	21.25	WTG 3

F. Turbine Availability & Downtime

Availability (%)	This Month	2017 Annual
WTG 1	99.54%	99.59%
WTG 2	100.00%	99.97%
WTG 3	99.78%	87.70%
Avg	99.77%	95.76%

Downtime (hrs)	This Month	2017 Annual
WTG 1	288.30	351.72
WTG 2	211.79	271.94
WTG 3	81.16	568.28
Total	581.25	1191.94

G. Wind Speed & Capacity Factor

Wind Speed (mph)	This Month	2017 Annual
WTG 1	14.80	15.74
WTG 2	14.08	14.73
WTG 3	14.65	15.17
Estimated	13.57	13.39

Capacity Factor (%)	This Month	2017 Annual
WTG 1	29.15%	45.64%
WTG 2	35.57%	46.24%
WTG 3	36.90%	41.03%
Low Estimate	28.39%	28.70%

H. Report Notes and Comments