



Cooper Farms' Wind VW

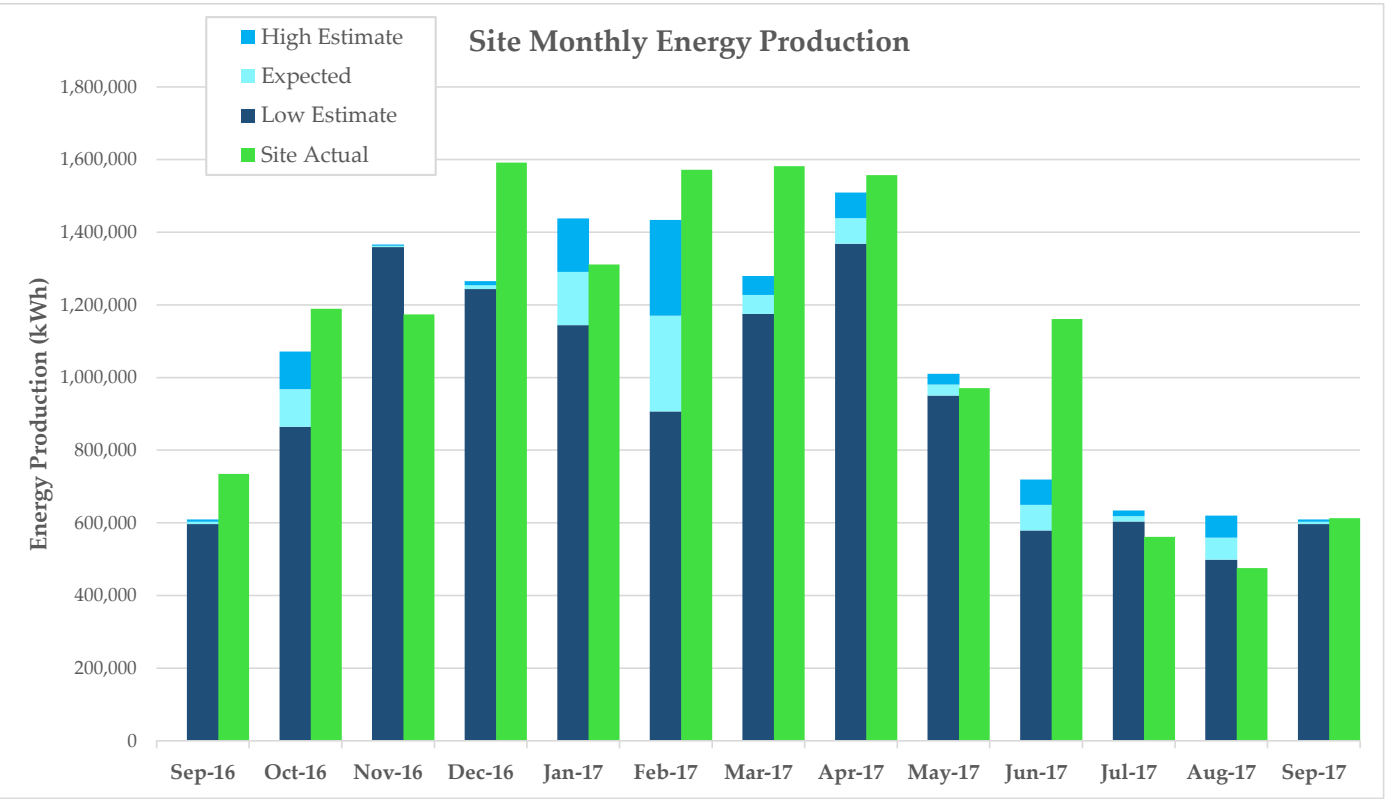
Van Wert, OH

A. Site Energy Production Summary

	Energy Production (kWh)				
	Site		By Turbine		
	Expected Production	Actual Production	WTG 1	WTG 2	WTG 3
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
Jun-17	649,158	1,161,410	402,990	369,220	389,200
Jul-17	618,687	561,560	191,610	186,470	183,480
Aug-17	559,508	475,092	176,146	172,986	125,960
Sep-17	603,085	612,820	204,550	207,830	200,440
Production 2017 (ytd) (kWh)	8,537,920	9,804,542	3,341,516	3,333,706	3,129,320
Total Production (kWh)*	12,122,935	13,758,942	4,810,496	4,739,506	4,208,940
Capacity Factor*	34.90% *Value calculated over the last 12 months				

B. Site Energy Production Graph

September-2017



Monthly Report

September-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 (hr)	Turbine
October-2017	Goldwind 5.5 year maintenance	~8	WTG 1
October-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 (hr)	Turbine
9/4-9/5/2017	Grid Fault	Unplanned	11.98	WTG 3
9/7/2017	Goldwind 5.5 year maintenance	Planned	4.46	WTG 3

F. Turbine Availability & Downtime

Availability (%)	This Month	Year to Date
WTG 1	100.00%	99.77%
WTG 2	99.98%	99.69%
WTG 3	100.00%	88.73%
Avg	99.99%	96.06%

Downtime (hr)	This Month	Year to Date
WTG 1	1.33	707.96
WTG 2	1.49	362.45
WTG 3	17.77	652.48
Total	20.59	1722.89

G. Wind Speed & Capacity Factor

Wind Speed (mph)	This Month	2017 Annual
WTG 1	11.21	14.19
WTG 2	9.86	12.65
WTG 3	10.38	13.16
Estimated	11.09	13.39

Capacity Factor (%)	This Month	2017 Annual
WTG 1	18.94%	34.89%
WTG 2	19.24%	34.81%
WTG 3	18.56%	31.84%
Low Estimate	18.42%	28.70%

H. Report Notes and Comments

**Goldwind 5.5 year maintenance moved to October for all turbines