



Cooper Farms' Wind VW

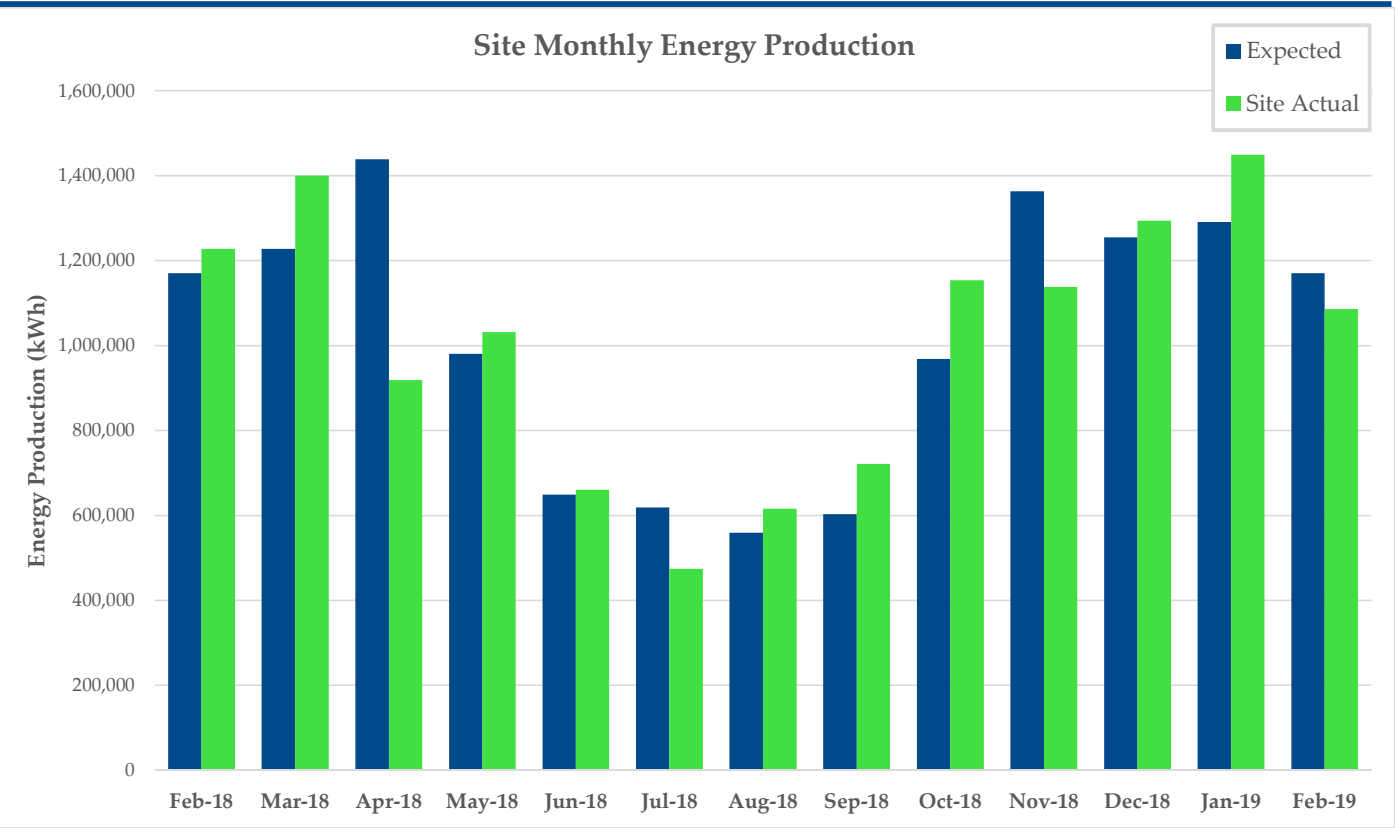
Van Wert, OH

A. Site Energy Production Summary

	Energy Production (kWh)				
	Site		By Turbine		
	Expected Production	Actual Production	WTG 1	WTG 2	WTG 3
Feb-18	1,170,349	1,227,684	415,536	413,210	398,938
Mar-18	1,227,217	1,400,340	500,650	409,470	490,220
Apr-18	1,438,497	918,970	311,290	302,960	304,720
May-18	980,450	1,031,960	343,900	352,850	335,210
Jun-18	649,158	660,000	219,170	215,060	225,770
Jul-18	618,687	474,100	152,310	157,510	164,280
Aug-18	559,508	615,620	204,140	199,030	212,450
Sep-18	603,085	720,940	241,440	243,200	236,300
Oct-18	967,926	1,153,610	388,960	373,700	390,950
Nov-18	1,362,692	1,138,070	381,630	373,480	382,960
Dec-18	1,254,397	1,293,550	427,830	426,560	439,160
Jan-19	1,290,968	1,449,160	491,430	475,470	482,260
Feb-19	1,170,349	1,085,536	358,334	356,884	370,318
Production 2019 (ytd) (kWh)	2,461,317	2,534,696	849,764	832,354	852,578
Total Production (kWh)*	12,122,935	11,941,856	4,021,084	3,886,174	4,034,598
Capacity Factor*	30.29%		*Value calculated over the last 12 months		

B. Site Energy Production Graph

February-2019



Monthly Report

February-2019



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
March-2019	Goldwind 6.5 Year Maintenance	~8	WTG 1
March-2019	Goldwind 6.5 Year Maintenance	~8	WTG 2
March-2019	Goldwind 6.5 Year Maintenance	~8	WTG 3

E. Actual Maintenance Events

Date	Event	Planned/Unplanned	Duration (hr)	Turbine
2/11/2019	Goldwind 6.5 Year Maintenance	Planned	0.77	WTG 1
2/11/2019	Grid Fault	Unplanned	4.82	WTG 1,2,3
2/12/2019	Grid Fault	Unplanned	15.18,16.92,14.95	WTG 1,2,3
2/15/2019	Grid Fault	Unplanned	8.71,10.89,8.72	WTG 1,2,3
2/19/2019	Goldwind 6.5 Year Maintenance	Planned	4.76	WTG1
2/24/2019	High Wind Event	Unplanned	22.54,22.55,22.48	WTG 1,2,3
2/25/2019	High Wind Event	Unplanned	5.53	WTG 1,2,3

F. Turbine Availability & Downtime

Availability (%)	This Month	Year to Date
WTG 1	100.00%	99.54%
WTG 2	100.00%	100.00%
WTG 3	100.00%	100.00%
Avg	100.00%	99.85%

Downtime (hr)	This Month	Year to Date
WTG 1	69.97	122.35
WTG 2	68.85	131.49
WTG 3	64.25	110.69
Total	203.07	364.53

G. Wind Speed & Capacity Factor

Wind Speed (mph)	This Month	2019 Annual
WTG 1	14.71	14.65
WTG 2	14.75	14.71
WTG 3	15.14	15.02
Estimated	17.02	13.39

Capacity Factor (%)	This Month	2019 Annual
WTG 1	35.55%	40.01%
WTG 2	35.41%	39.19%
WTG 3	36.74%	40.14%
Low Estimate	29.98%	28.70%

H. Report Notes and Comments

*Goldwind 6.5 Year Maintenance to continue in March.