



Cooper Farms' Wind VW

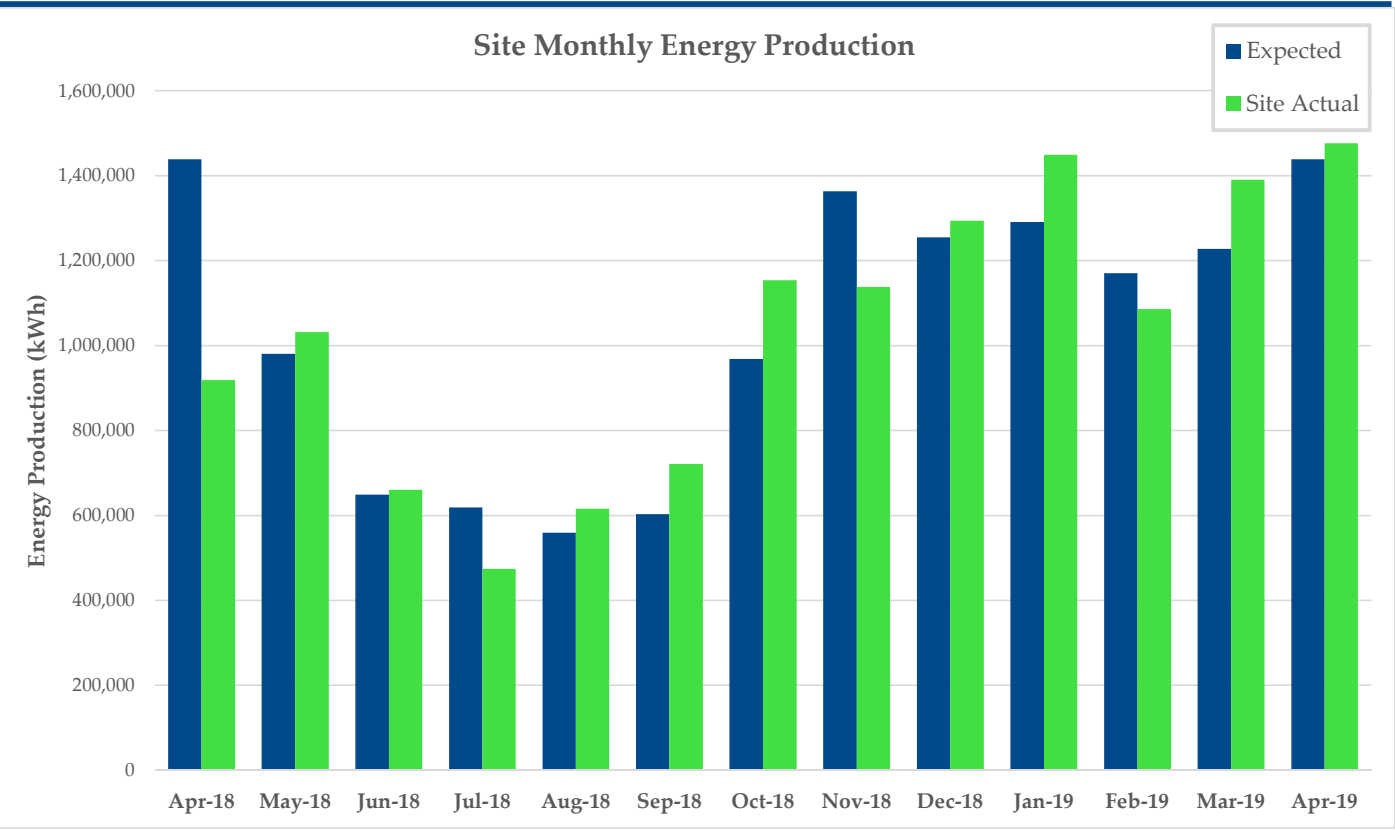
Van Wert, OH

A. Site Energy Production Summary

	Energy Production (kWh)				
	Site		By Turbine		
	Expected Production	Actual Production	WTG 1	WTG 2	WTG 3
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
Mar-19	1,227,217	1,390,286	471,222	450,690	468,374
Apr-19	1,438,497	1,476,210	495,410	493,970	486,830
Production 2019 (ytd) (kWh)	5,127,031	5,401,192	1,816,396	1,777,014	1,807,782
Total Production (kWh)*	12,122,935	12,489,042	4,175,776	4,118,404	4,194,862
Capacity Factor*	31.68%		*Value calculated over the last 12 months		

B. Site Energy Production Graph

April-2019



Monthly Report

April-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
September-2019	Goldwind 7 Year Maintenance	~15	WTG 1
September-2019	Goldwind 7 Year Maintenance	~15	WTG 2
September-2019	Goldwind 7 Year Maintenance	~15	WTG 3

E. Actual Maintenance Events

Date	Event	Planned/Unplanned	Duration (hr)	Turbine
4/28/2019	Grid Event	Unplanned	7.03	WTG 3

F. Turbine Availability & Downtime

Availability (%)	This Month	Year to Date
WTG 1	100.00%	99.77%
WTG 2	100.00%	99.16%
WTG 3	100.00%	100.00%
Avg	100.00%	99.65%

Downtime (hr)	This Month	Year to Date
WTG 1	0.00	140.05
WTG 2	0.00	177.04
WTG 3	7.64	140.77
Total	7.64	457.86

H. Report Notes and Comments

G. Wind Speed & Capacity Factor

Wind Speed (mph)	This Month	2019 Annual
WTG 1	15.03	14.48
WTG 2	14.11	14.27
WTG 3	14.54	14.63
Estimated	16.62	13.39

Capacity Factor (%)	This Month	2019 Annual
WTG 1	45.87%	42.05%
WTG 2	45.74%	41.13%
WTG 3	45.08%	41.85%
Low Estimate	42.22%	28.70%