



Cooper Farms' Wind VW

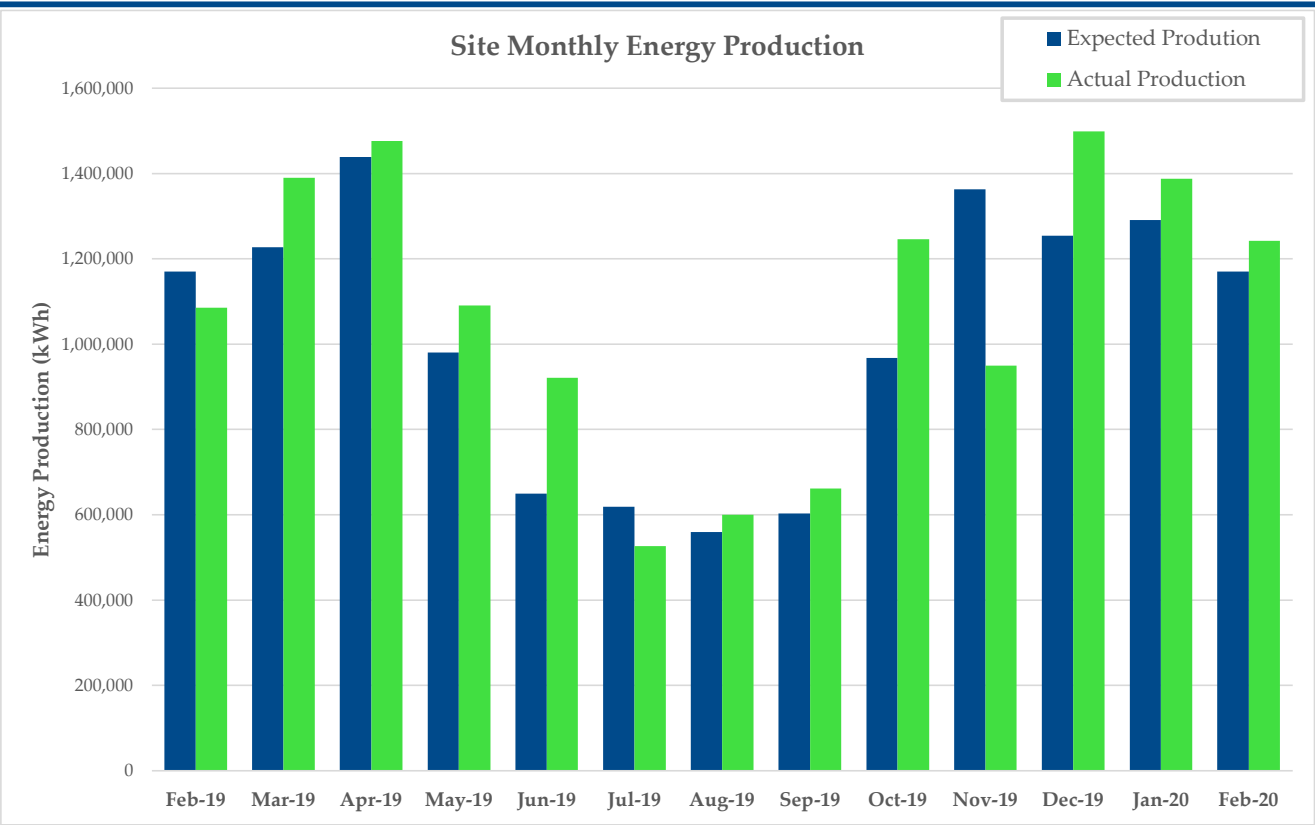
Van Wert, OH

A. Site Energy Production Summary

	Energy Production (kWh)				
	Site		By Turbine		
	Expected Production	Actual Production	WTG 1	WTG 2	WTG 3
Feb-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
May-19	980,450	1,090,450	368,640	351,610	370,200
Jun-19	649,158	921,230	304,100	301,760	315,370
Jul-19	618,687	526,810	179,780	167,330	179,700
Aug-19	559,508	600,600	200,850	197,710	202,040
Sep-19	603,085	661,430	222,160	210,200	229,070
Oct-19	967,926	1,245,578	439,840	409,100	396,638
Nov-19	1,362,692	949,912	322,750	306,104	321,058
Dec-19	1,254,397	1,498,820	512,000	495,240	491,580
Jan-20	1,290,968	1,387,580	464,970	466,460	456,150
Feb-20	1,170,349	1,242,370	420,920	399,500	421,950
Production 2020 (ytd) (kWh)	2,461,317	2,629,950	885,890	865,960	878,100
Total Production (kWh)*	12,122,935	12,991,276	4,402,642	4,249,674	4,338,960
Capacity Factor*	32.87%		*Value calculated over the last 12 months		

B. Site Energy Production Graph

February-2020



Monthly Report

February-2020



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-2020	Goldwind 7.5 Year Maintenance	~8	WTG 1
March-2020	Goldwind 7.5 Year Maintenance	~8	WTG 2
March-2020	Goldwind 7.5 Year Maintenance	~8	WTG 3

E. Actual Maintenance Events

Date	Event	Planned/Unplanned	Duration (hrs)	Turbine
2/6/2020	Icing Event	Unplanned	13.78	WTG 1
2/6/2020	Icing Event	Unplanned	13.43	WTG 2, 3

F. Turbine Availability & Downtime

Availability	This Month	Year To Date
WTG 1	100.00%	100.00%
WTG 2	100.00%	100.00%
WTG 3	100.00%	98.05%
Avg	100.00%	99.35%

Downtime (hr)	This Month	Year To Date
WTG 1	13.78	19.79
WTG 2	13.43	19.92
WTG 3	13.43	47.23
Total	40.64	86.94

G. Wind Speed & Capacity Factor

Wind Speed (mph)	This Month	2020 Annual
WTG 1	15.52	15.17
WTG 2	13.46	13.46
WTG 3	13.95	13.80
Estimated	17.02	13.39

Capacity Factor (%)	This Month	2020 Annual
WTG 1	40.32%	41.01%
WTG 2	38.27%	40.09%
WTG 3	40.42%	40.65%
Low Estimate	29.98%	28.72%

H. Report Notes and Comments

*Goldwind 7.5 Year Maintenance moved to March.