



Cooper Farms' Wind VW

Van Wert, OH



Monthly Report April-2021

A. Site Energy Production Summary

	Energy Production (kWh)				
	Site		By Turbine		
	Expected Production	Actual Production	WTG 1	WTG 2	WTG 3
Apr-20	1,438,497	1,295,130	436,050	428,960	430,120
May-20	980,450	1,142,460	377,910	378,900	385,650
Jun-20	649,158	852,346	272,591	295,318	284,437
Jul-20	618,687	528,832	180,643	167,948	180,241
Aug-20	559,508	487,140	165,460	156,070	165,610
Sep-20	603,085	761,895	258,867	246,913	256,115
Oct-20	967,926	1,041,670	339,478	352,779	349,413
Nov-20	1,362,692	1,613,799	539,279	530,443	544,077
Dec-20	1,254,397	1,482,516	499,090	482,621	500,805
Jan-21	1,290,968	1,040,455	349,760	337,475	353,220
Feb-21	1,170,349	1,204,626	405,232	399,987	399,407
Mar-21	1,227,217	1,490,469	490,288	498,026	502,155
Apr-21	1,438,497	1,251,068	419,058	407,202	424,808
Production 2021 (ytd) (kWh)	5,127,031	4,986,618	1,664,338	1,642,690	1,679,590
Total Production (kWh)*	12,122,935	12,897,276	4,297,656	4,253,682	4,345,938
Capacity Factor*	32.72% *Value calculated over the last 12 months				

C. Safety Summary

	This Month	Project Cumulative
Recordable Incident(s)	0	0
Near Miss(es)	0	0

D. Planned Maintenance Events

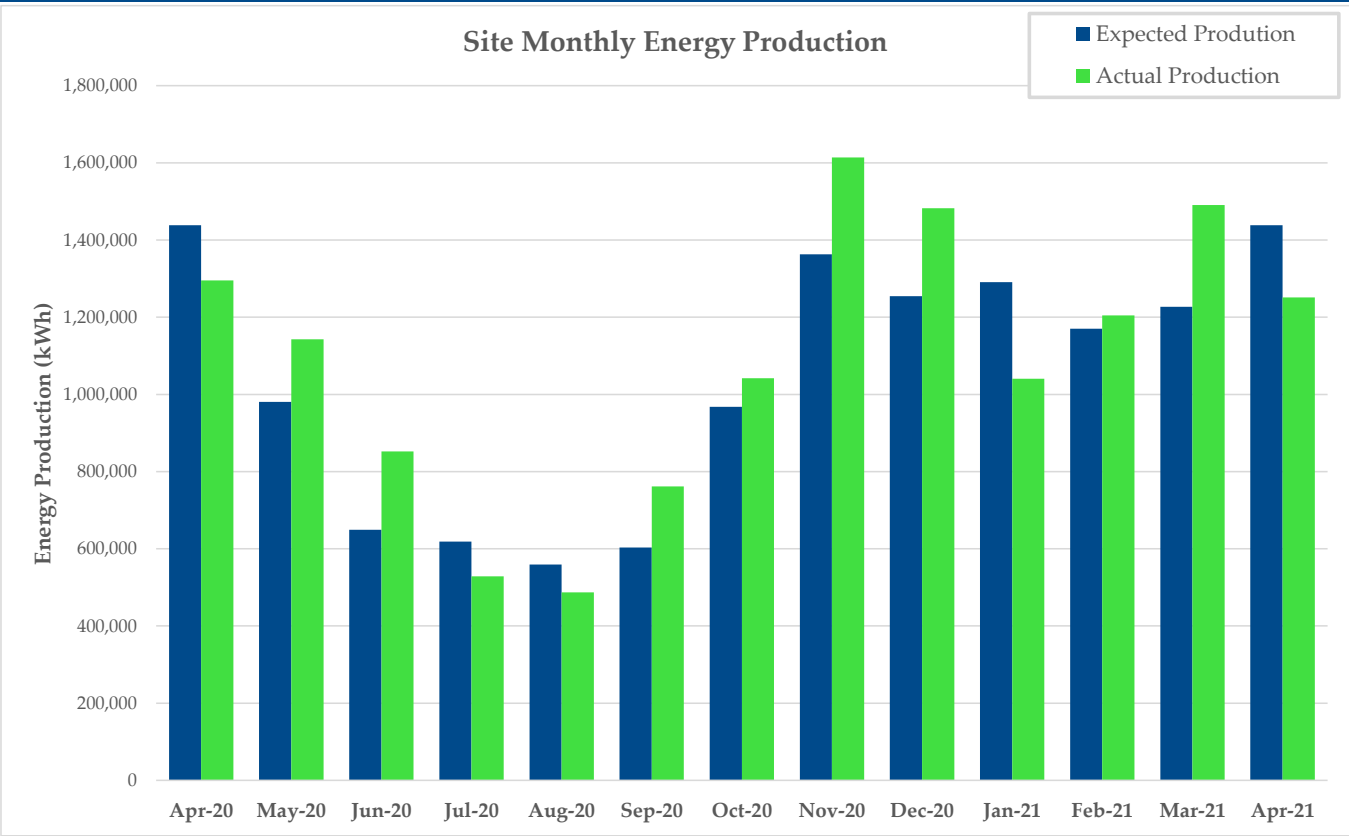
Date	Event	Duration (hr)	Turbine
September-2021	Goldwind 9 Year Maintenance	~15	WTG 1
September-2021	Goldwind 9 Year Maintenance	~15	WTG 2
September-2021	Goldwind 9 Year Maintenance	~15	WTG 3

E. Actual Maintenance Events

Date	Event	Planned/Unplanned	Duration (hrs)	Turbine
4/16/2021	One Energy Inspection	Unplanned	2.80	WTG 1
4/16/2021	One Energy Inspection	Unplanned	2.24	WTG 2
4/16/2021	One Energy Inspection	Unplanned	2.37	WTG 3

B. Site Energy Production Graph

April-2021



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%	100.00%
Avg	100.00%	100.00%

Downtime (hr)	This Month	Year To Date
WTG 1	2.80	76.64
WTG 2	2.24	76.65
WTG 3	2.37	75.68
Total	7.41	228.97

G. Wind Speed & Capacity Factor***

Wind Speed (mph)	This Month	2021 Annual
WTG 1	15.75	14.93
WTG 2	13.12	13.52
WTG 3	13.49	13.77
Estimated	16.62	13.39

Capacity Factor (%)	This Month	2021 Annual
WTG 1	38.80%	39.49%
WTG 2	37.70%	38.86%
WTG 3	39.33%	40.24%
Low Estimate	42.22%	28.72%

H. Report Notes and Comments

**Data includes estimated production for June, July, September, and October 2020 due to loss of communications.
***Production, wind speed, and capacity factor data include estimates due to loss of communications.
****Year to Date does not include January 2021 due to loss of communications.