



Cooper Farms' Wind VW

Van Wert, OH



Monthly Report October-2021

A. Site Energy Production Summary

	Energy Production (kWh)					
	Site		By Turbine			
	Expected Production	Actual Production	WTG 1	WTG 2	WTG 3	
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	
May-21	980,450	893,080	302,659	292,214	298,207	
Jun-21	649,158	861,377	289,298	277,290	294,789	
Jul-21	618,687	498,535	168,876	158,185	171,474	
Aug-21	559,508	485,548	159,184	160,241	166,123	
Sep-21	603,085	1,099,035	372,447	353,027	373,561	
Oct-21	967,926	918,473	308,929	305,665	303,879	
Production 2021 (ytd) (kWh)	9,505,846	9,742,666	3,265,731	3,189,312	3,287,623	
Total Production (LTM) (kWh)	12,122,935	12,838,981	4,304,100	4,202,376	4,332,505	
Capacity Factor (LTM)	32.57%					

C. Safety Summary

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

D. Planned Maintenance Events

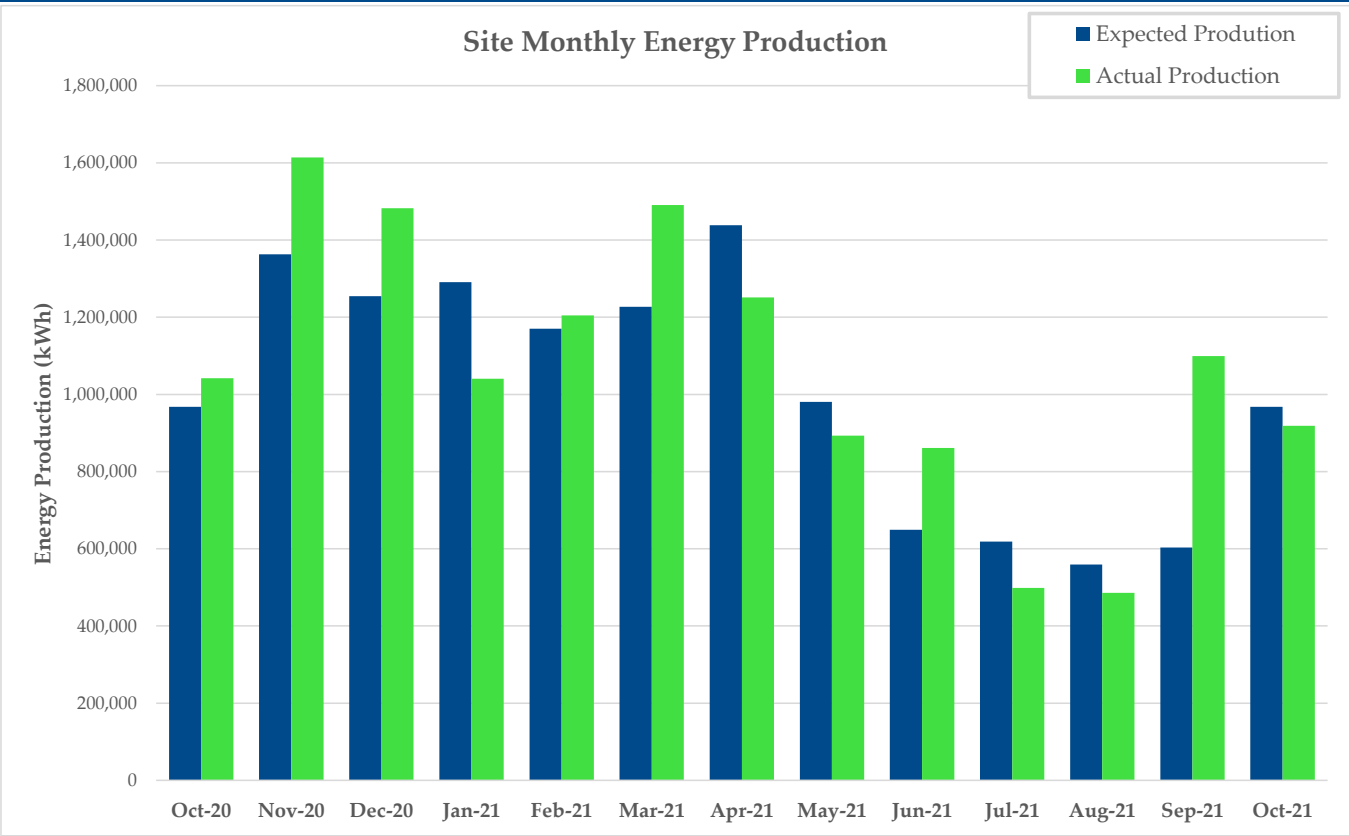
Date	Event	Duration (hr)	Turbine
March-2022	Goldwind 9.5 Year Maintenance	~8	WTG 1
March-2022	Goldwind 9.5 Year Maintenance	~8	WTG 2
March-2022	Goldwind 9.5 Year Maintenance	~8	WTG 3

E. Actual Maintenance Events

Date	Event	Planned/Unplanned	Duration (hrs)	Turbine
10/1/2021	Goldwind 9 Year Maintenance	Planned	0.79	WTG 1
10/1/2021	Goldwind 9 Year Maintenance	Planned	1.71	WTG 2
10/1/2021	Goldwind 9 Year Maintenance	Planned	1.30	WTG 3
10/26/2021-10/28/2021	Blade Repair	Unplanned	47.35	WTG 3

B. Site Energy Production Graph

October-2021



F. Turbine Availability & Downtime****

Availability	This Month	Year To Date
WTG 1	99.89%	99.90%
WTG 2	100.00%	100.00%
WTG 3	100.00%	99.75%
Avg	99.96%	99.88%

Downtime (hr)	This Month	Year To Date
WTG 1	1.62	134.62
WTG 2	1.71	137.05
WTG 3	48.65	186.44
Total	51.98	458.11

G. Wind Speed & Capacity Factor***

Wind Speed (mph)	This Month	2021 Annual
WTG 1	15.53	14.25
WTG 2	11.65	11.88
WTG 3	11.97	12.18
Estimated	13.89	13.39

Capacity Factor (%)	This Month	2021 Annual
WTG 1	27.68%	29.45%
WTG 2	27.39%	28.67%
WTG 3	27.23%	29.76%
Low Estimate	25.82%	28.72%

H. Report Notes and Comments

**Data includes estimated production for 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.