



Cooper Farms' Wind VW

Van Wert, OH



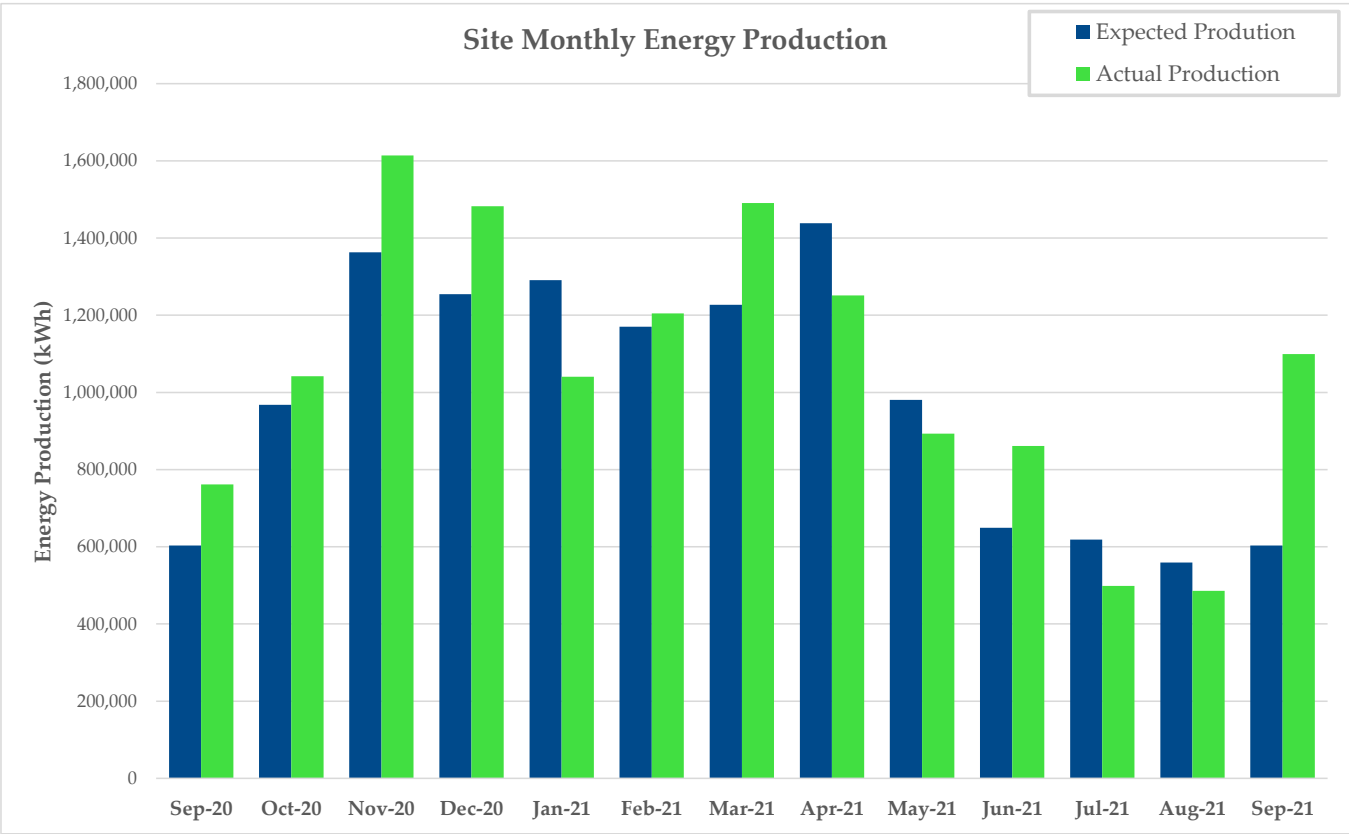
Monthly Report September-2021

A. Site Energy Production Summary

	Energy Production (kWh)					
	Site		By Turbine			
	Expected Production	Actual Production	WTG 1	WTG 2	WTG 3	
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	
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	
Production 2021 (ytd) (kWh)	8,537,920	8,824,193	2,956,802	2,883,647	2,983,744	
Total Production (kWh)*	12,122,935	12,962,178	4,334,649	4,249,490	4,378,039	
Capacity Factor*	32.88%		*Value calculated over the last 12 months			

B. Site Energy Production Graph

September-2021



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
9/17/2021	One Energy Blade Inspection	Unplanned	4.39	S01
9/17/2021-9/18/2021	Turbine Fault	Unplanned	16.28	S03
9/28/2021	Goldwind 9 Year Maintenance	Planned	5.60	S01
9/29/2021	Goldwind 9 Year Maintenance	Planned	4.11	S03
9/30/2021	Goldwind 9 Year Maintenance	Planned	4.86	S01
9/30/2021	Goldwind 9 Year Maintenance	Planned	5.42	S02
9/30/2021	Goldwind 9 Year Maintenance	Planned	4.86	S03

F. Turbine Availability & Downtime****

Availability	This Month	Year To Date
WTG 1	100.00%	99.90%
WTG 2	100.00%	100.00%
WTG 3	97.74%	99.72%
Avg	99.25%	99.87%

Downtime (hr)	This Month	Year To Date
WTG 1	14.85	133.00
WTG 2	7.90	135.34
WTG 3	27.87	137.79
Total	50.62	406.13

G. Wind Speed & Capacity Factor***

Wind Speed (mph)	This Month	2021 Annual
WTG 1	16.00	14.09
WTG 2	12.57	11.90
WTG 3	13.02	12.20
Estimated	11.09	13.39

Capacity Factor (%)	This Month	2021 Annual
WTG 1	34.49%	29.69%
WTG 2	32.69%	28.84%
WTG 3	34.59%	30.10%
Low Estimate	18.42%	28.72%

H. Report Notes and Comments

**Data includes estimated production for 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.