



Cooper Farms' Wind VW

Van Wert, OH

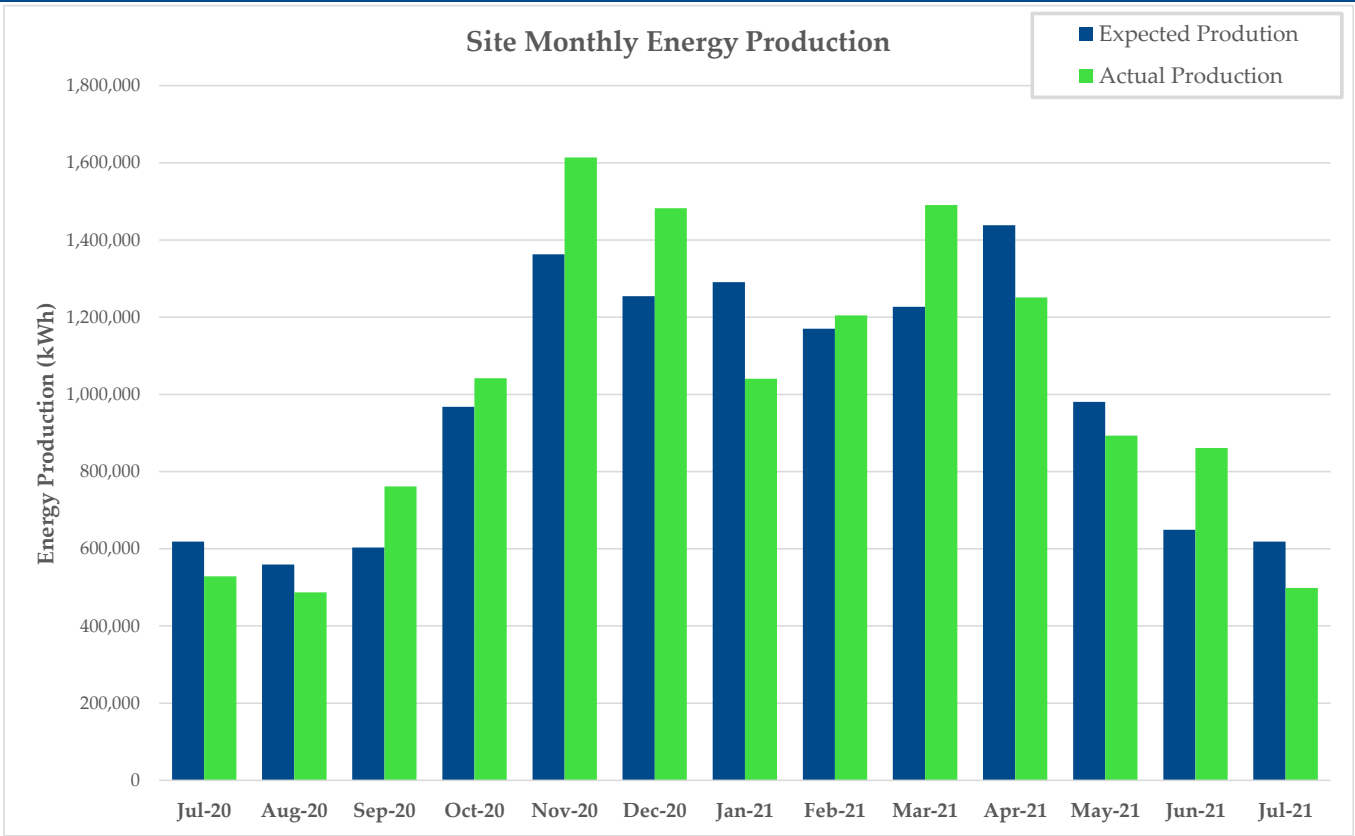


A. Site Energy Production Summary

	Energy Production (kWh)					
	Site		By Turbine			
	Expected Production	Actual Production	WTG 1	WTG 2	WTG 3	
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	
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	
Production 2021 (ytd) (kWh)	7,375,326	7,239,610	2,425,171	2,370,379	2,444,060	
Total Production (kWh)*	12,122,935	12,626,630	4,227,345	4,139,205	4,260,080	
Capacity Factor*	32.03%		*Value calculated over the last 12 months			

B. Site Energy Production Graph

July-2021



Monthly Report

July-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
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
7/11/2021	Turbine Converter Fault	Unplanned	4.50	WTG1

F. Turbine Availability & Downtime****

Availability	This Month	Year To Date
WTG 1	99.21%	99.87%
WTG 2	100.00%	100.00%
WTG 3	100.00%	100.00%
Avg	99.74%	99.96%

Downtime (hr)	This Month	Year To Date
WTG 1	9.09	109.01
WTG 2	3.24	119.98
WTG 3	3.24	102.61
Total	15.57	331.60

G. Wind Speed & Capacity Factor***

Wind Speed (mph)	This Month	2021 Annual
WTG 1	12.35	14.23
WTG 2	9.20	12.28
WTG 3	9.58	12.57
Estimated	11.22	13.39

Capacity Factor (%)	This Month	2021 Annual
WTG 1	15.13%	30.76%
WTG 2	14.17%	29.93%
WTG 3	15.37%	31.17%
Low Estimate	18.03%	28.72%

H. Report Notes and Comments

**Data includes estimated production for 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.