



Cooper Farms' Wind VW

Van Wert, OH



Monthly Report November-2021

A. Site Energy Production Summary

		Energy Production (kWh)					
		Site		By Turbine			
		Expected Production	Actual Production	WTG 1	WTG 2		WTG 3
	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	
	Nov-21	1,362,692	1,409,993	478,180	445,587	486,226	
Production 2021 (ytd) (kWh)		10,868,538	11,152,659	3,743,911	3,634,899	3,773,849	
Total Production (LTM) (kWh)		12,122,935	12,635,175	4,243,001	4,117,520	4,274,654	
Capacity Factor (LTM)		32.05%					

C. Safety Summary

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

D. Planned Maintenance Events

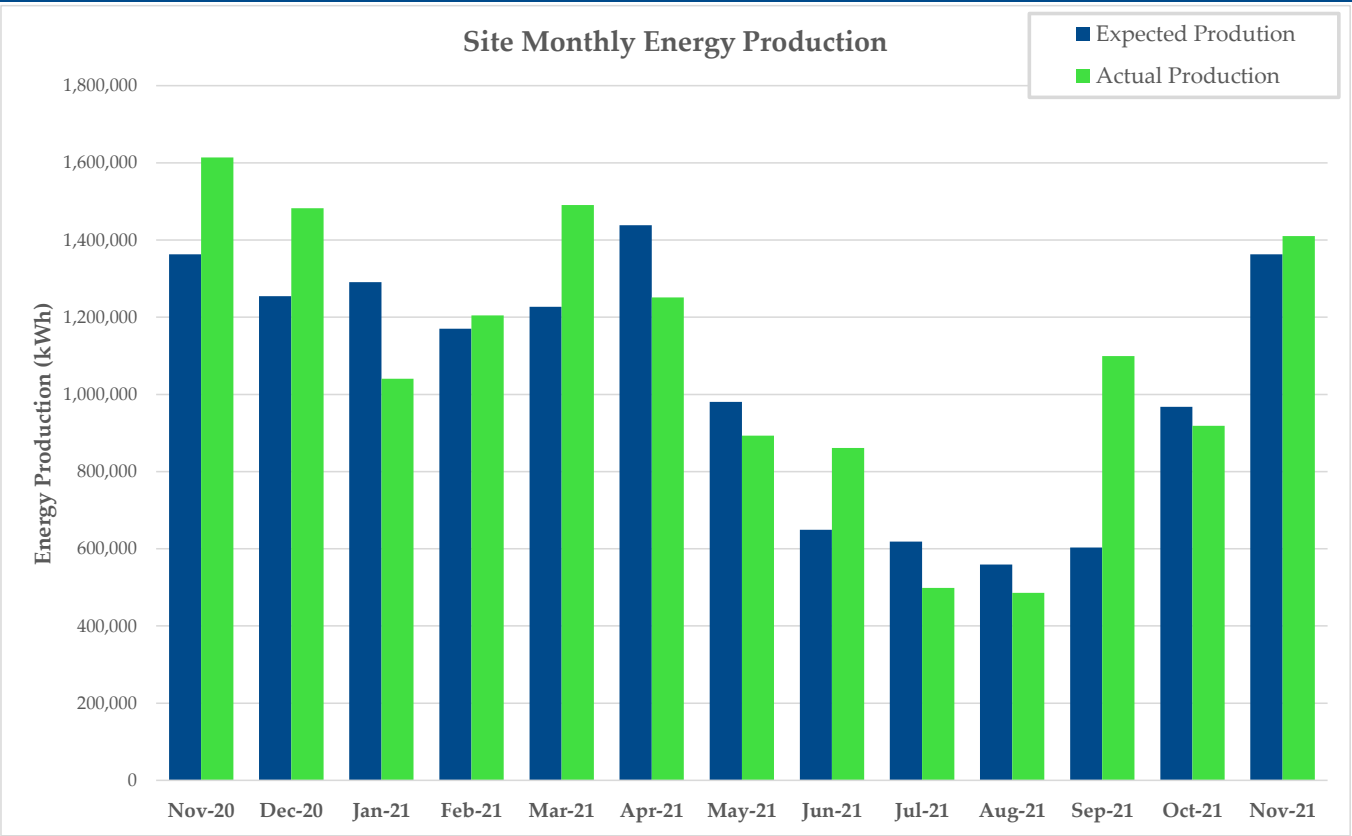
Date	Event	Duration (hr)	Turbine
March-2022	Goldwind 9.5 Year Maintenance	~8	WTG 1
March-2022	Goldwind 9.5 Year Maintenance	~8	WTG 2
March-2022	Goldwind 9.5 Year Maintenance	~8	WTG 3

E. Actual Maintenance Events

Date	Event	Planned/Unplanned	Duration (hrs)	Turbine
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B. Site Energy Production Graph

November-2021



F. Turbine Availability & Downtime****

Availability	This Month	Year To Date
WTG 1	99.73%	99.88%
WTG 2	100.00%	100.00%
WTG 3	100.00%	99.77%
Avg	99.91%	99.89%

Downtime (hr)	This Month	Year To Date
WTG 1	2.68	137.30
WTG 2	0.73	137.78
WTG 3	0.73	187.17
Total	4.14	462.25

G. Wind Speed & Capacity Factor***

Wind Speed (mph)	This Month	2021 Annual
WTG 1	14.65	14.28
WTG 2	13.72	12.05
WTG 3	14.31	12.38
Estimated	15.58	13.39

Capacity Factor (%)	This Month	2021 Annual
WTG 1	44.28%	30.98%
WTG 2	41.26%	29.97%
WTG 3	45.02%	31.33%
Low Estimate	41.95%	28.72%

H. Report Notes and Comments

***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.