



Cooper Farms' Wind VW

Van Wert, OH



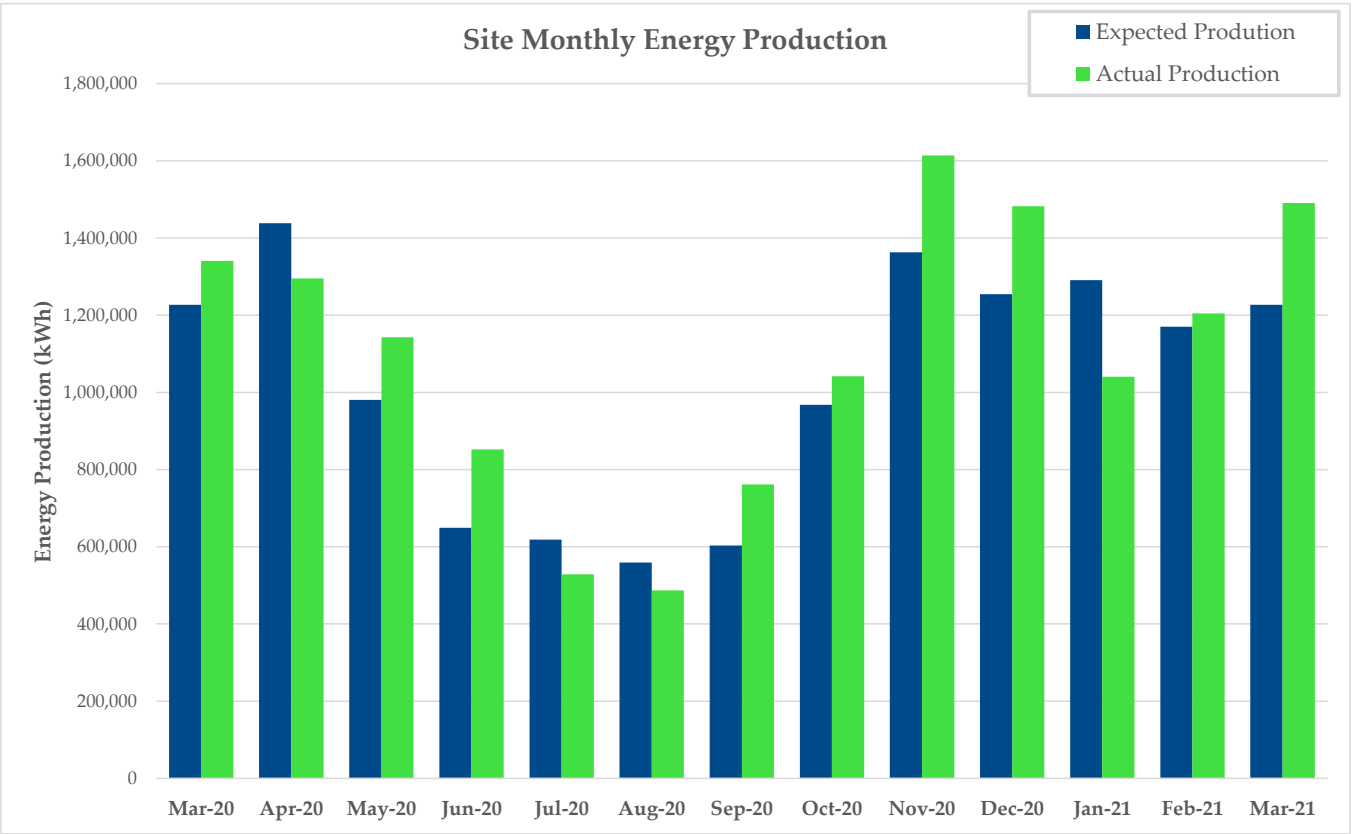
Monthly Report March-2021

A. Site Energy Production Summary

	Energy Production (kWh)					
	Site		By Turbine			
	Expected Production	Actual Production	WTG 1	WTG 2	WTG 3	
Mar-20	1,227,217	1,340,920	444,790	447,690	448,440	
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	***
Production 2021 (ytd) (kWh)	3,688,534	3,735,550	1,245,280	1,235,488	1,254,782	
Total Production (kWh)*	12,122,935	12,941,338	4,314,648	4,275,440	4,351,250	
Capacity Factor*	32.83%		*Value calculated over the last 12 months			

B. Site Energy Production Graph

March-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
3/1/2021-3/2/2021	Grid Outage	Unplanned	56.80	WTG 1, 2, 3
3/8/2021	Goldwind 8.5 Year Maintenance	Planned	3.3	WTG 1
3/9/2021	Goldwind 8.5 Year Maintenance	Planned	4.2	WTG 2
3/12/2021	Goldwind 8.5 Year Maintenance	Planned	1.23	WTG 1
3/12/2021	Goldwind 8.5 Year Maintenance	Planned	0.67	WTG 2
3/12/2021	Goldwind 8.5 Year Maintenance	Planned	3.78	WTG 3
3/25-26/2021	Weather Shutdown	Unplanned	7.4	WTG 1, 2, 3

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	69.64	73.84
WTG 2	70.22	74.41
WTG 3	69.13	73.31
Total	208.99	221.56

G. Wind Speed & Capacity Factor***

Wind Speed (mph)	This Month	2021 Annual
WTG 1	15.86	14.64
WTG 2	15.02	13.66
WTG 3	15.17	13.86
Estimated	14.92	13.39

Capacity Factor (%)	This Month	2021 Annual
WTG 1	43.93%	39.88%
WTG 2	44.63%	39.53%
WTG 3	45.00%	40.76%
Low Estimate	35.10%	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 2020 due to loss of communications.