



Cooper Farms' Wind VW

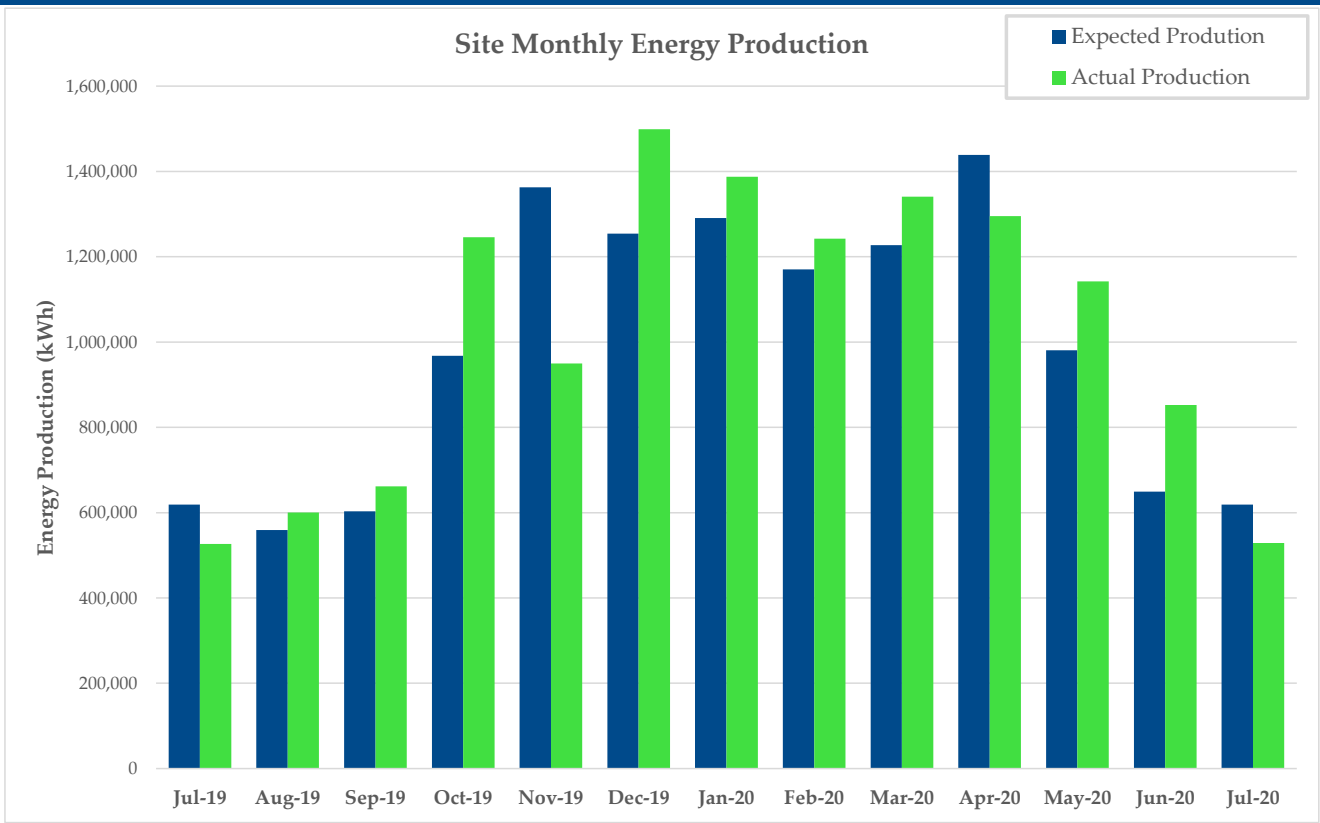
Van Wert, OH

A. Site Energy Production Summary

	Energy Production (kWh)				
	Site		By Turbine		
	Expected Production	Actual Production	WTG 1	WTG 2	WTG 3
Jul-19	618,687	526,810	179,780	167,330	179,700
Aug-19	559,508	600,600	200,850	197,710	202,040
Sep-19	603,085	661,430	222,160	210,200	229,070
Oct-19	967,926	1,245,578	439,840	409,100	396,638
Nov-19	1,362,692	949,912	322,750	306,104	321,058
Dec-19	1,254,397	1,498,820	512,000	495,240	491,580
Jan-20	1,290,968	1,387,580	464,970	466,460	456,150
Feb-20	1,170,349	1,242,370	420,920	399,500	421,950
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
Production 2020 (ytd) (kWh)	7,375,326	7,789,638	2,597,874	2,584,776	2,606,988
Total Production (kWh)*	12,122,935	12,745,978	4,295,474	4,203,130	4,247,374
Capacity Factor*	32.25% *Value calculated over the last 12 months				

B. Site Energy Production Graph

July-2020



Monthly Report

July-2020



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-2020	Goldwind 8 Year Maintenance	~15	WTG 1
September-2020	Goldwind 8 Year Maintenance	~15	WTG 2
September-2020	Goldwind 8 Year Maintenance	~15	WTG 3

E. Actual Maintenance Events

Date	Event	Planned/Unplanned	Duration (hrs)	Turbine
7/23/2020	Grid Fault	Unplanned	13.52	WTG 1, 2, 3

F. Turbine Availability & Downtime

Availability	This Month	Year To Date
WTG 1	99.95%	99.58%
WTG 2	100.00%	99.95%
WTG 3	100.00%	99.20%
Avg	99.98%	99.58%

Downtime (hr)	This Month	Year To Date
WTG 1	18.80	95.21
WTG 2	17.17	79.34
WTG 3	17.09	110.89
Total	53.06	285.44

G. Wind Speed & Capacity Factor**

Wind Speed (mph)	This Month	2020 Annual
WTG 1	11.77	14.37
WTG 2	9.30	12.53
WTG 3	9.76	12.87
Estimated	11.22	13.39

Capacity Factor (%)	This Month	2020 Annual
WTG 1	16.19%	34.53%
WTG 2	15.05%	34.35%
WTG 3	16.15%	34.65%
Low Estimate	18.03%	28.72%

H. Report Notes and Comments

**Data includes estimated production, wind speed, and capacity factor values for June and July 2020 due to loss of communications.