



Cooper Farms' Wind VW

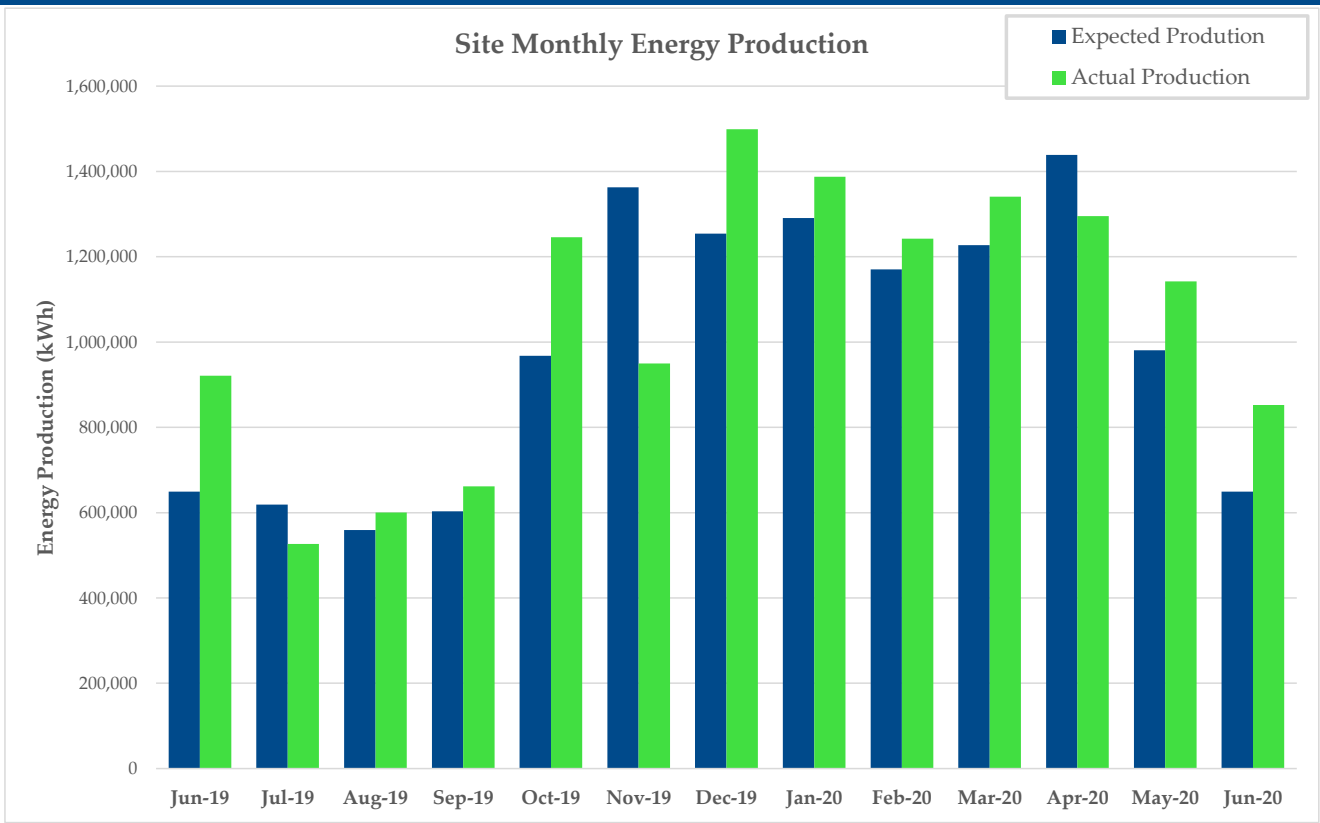
Van Wert, OH

A. Site Energy Production Summary

	Energy Production (kWh)				
	Site		By Turbine		
	Expected Production	Actual Production	WTG 1	WTG 2	WTG 3
Jun-19	649,158	921,230	304,100	301,760	315,370
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
Production 2020 (ytd) (kWh)	6,756,639	7,260,806	2,417,231	2,416,828	2,426,747
Total Production (kWh)*	12,122,935	12,743,956	4,294,611	4,202,512	4,246,833
Capacity Factor*	32.24%		*Value calculated over the last 12 months		

B. Site Energy Production Graph

June-2020



Monthly Report

June-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
6/10-11/2020	Blade Pitch Angle Error	Unplanned	19.33	WTG 1
6/10/2020	Capacitor Error	Unplanned	12.21	WTG 2
6/20-21/2020	Grid Fault	Unplanned	25.09	WTG 1, 2, 3

F. Turbine Availability & Downtime

Availability	This Month	Year To Date
WTG 1	97.32%	99.52%
WTG 2	100.00%	99.94%
WTG 3	98.30%	99.07%
Avg	98.54%	99.51%

Downtime (hr)	This Month	Year To Date
WTG 1	44.42	76.41
WTG 2	25.09	62.17
WTG 3	38.25	93.80
Total	107.76	232.38

G. Wind Speed & Capacity Factor**

Wind Speed (mph)	This Month	2020 Annual
WTG 1	14.45	14.83
WTG 2	12.11	13.10
WTG 3	12.38	13.41
Estimated	11.44	13.39

Capacity Factor (%)	This Month	2020 Annual
WTG 1	25.24%	37.72%
WTG 2	27.34%	37.72%
WTG 3	26.34%	37.87%
Low Estimate	17.87%	28.72%

H. Report Notes and Comments

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