



Cooper Farms' Wind VW

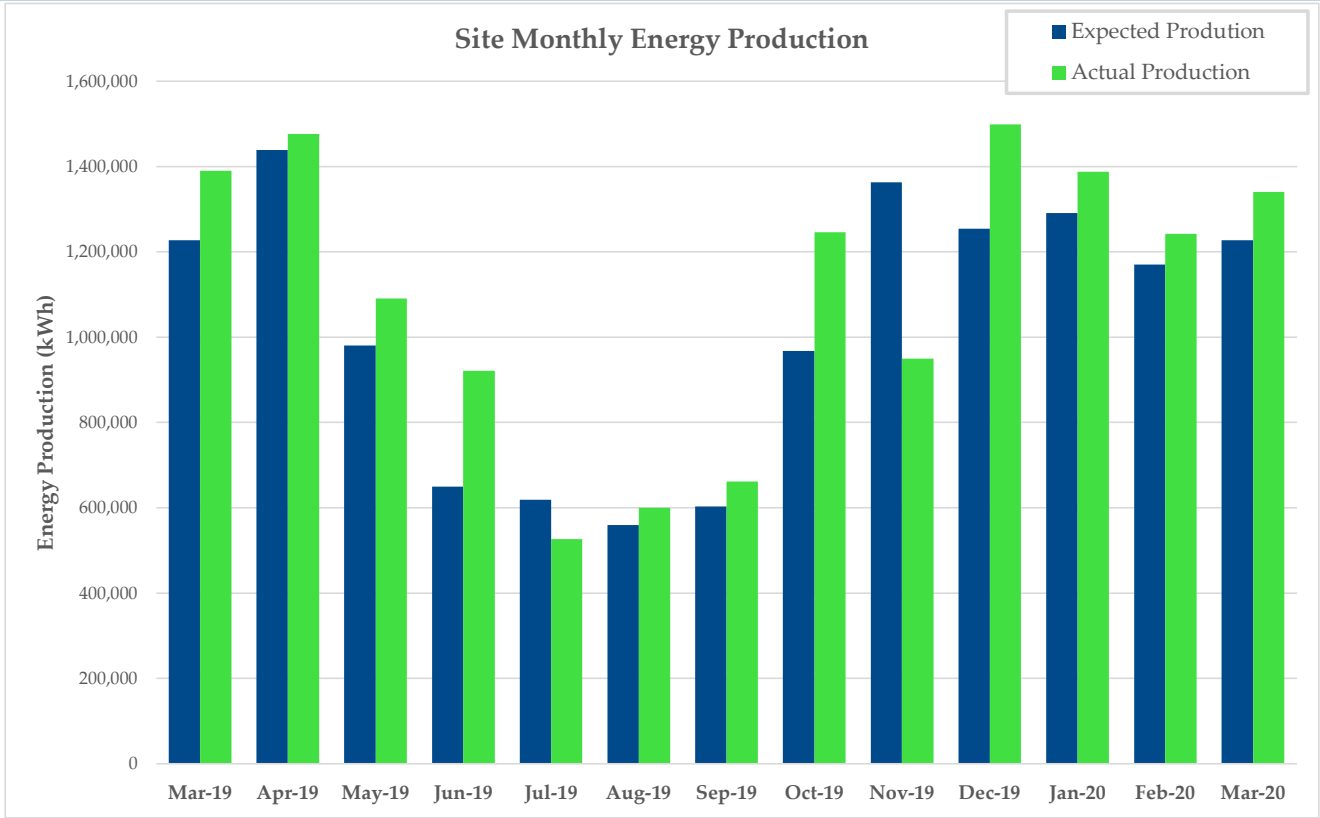
Van Wert, OH

A. Site Energy Production Summary

	Energy Production (kWh)				
	Site		By Turbine		
	Expected Production	Actual Production	WTG 1	WTG 2	WTG 3
Mar-19	1,227,217	1,390,286	471,222	450,690	468,374
Apr-19	1,438,497	1,476,210	495,410	493,970	486,830
May-19	980,450	1,090,450	368,640	351,610	370,200
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
Production 2020 (ytd) (kWh)	3,688,534	3,970,870	1,330,680	1,313,650	1,326,540
Total Production (kWh)*	12,122,935	12,941,910	4,376,210	4,246,674	4,319,026
Capacity Factor*	32.74%		*Value calculated over the last 12 months		

B. Site Energy Production Graph

March-2020



Monthly Report

March-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
3/2/2020	Goldwind 7.5 Year Maintenance	Planned	4.99	WTG 1
3/3/2020	Goldwind 7.5 Year Maintenance	Planned	1.96	WTG 2
3/12/2020	Goldwind 7.5 Year Maintenance	Planned	4.04	WTG 2
3/16/2020	Goldwind 7.5 Year Maintenance	Planned	1.03	WTG 1
3/16/2020	Goldwind 7.5 Year Maintenance	Planned	1.61	WTG 2
3/16/2020	Goldwind 7.5 Year Maintenance	Planned	3.59	WTG 3
3/18/2020	Goldwind 7.5 Year Maintenance	Planned	1.91	WTG 1
3/18/2020	Goldwind 7.5 Year Maintenance	Planned	2.33	WTG 2
3/18/2020	Goldwind 7.5 Year Maintenance	Planned	1.67	WTG 3

F. Turbine Availability & Downtime

Availability	This Month	Year To Date
WTG 1	99.84%	99.95%
WTG 2	100.00%	100.00%
WTG 3	100.00%	98.70%
Avg	99.95%	99.55%

Downtime (hr)	This Month	Year To Date
WTG 1	10.33	30.12
WTG 2	12.89	32.81
WTG 3	6.81	54.04
Total	30.03	116.97

G. Wind Speed & Capacity Factor

Wind Speed (mph)	This Month	2020 Annual
WTG 1	14.55	14.96
WTG 2	13.30	13.40
WTG 3	13.54	13.71
Estimated	14.92	13.39

Capacity Factor (%)	This Month	2020 Annual
WTG 1	39.86%	40.62%
WTG 2	40.12%	40.10%
WTG 3	40.18%	40.49%
Low Estimate	35.10%	28.72%

H. Report Notes and Comments