



Cooper Farms' Wind VW

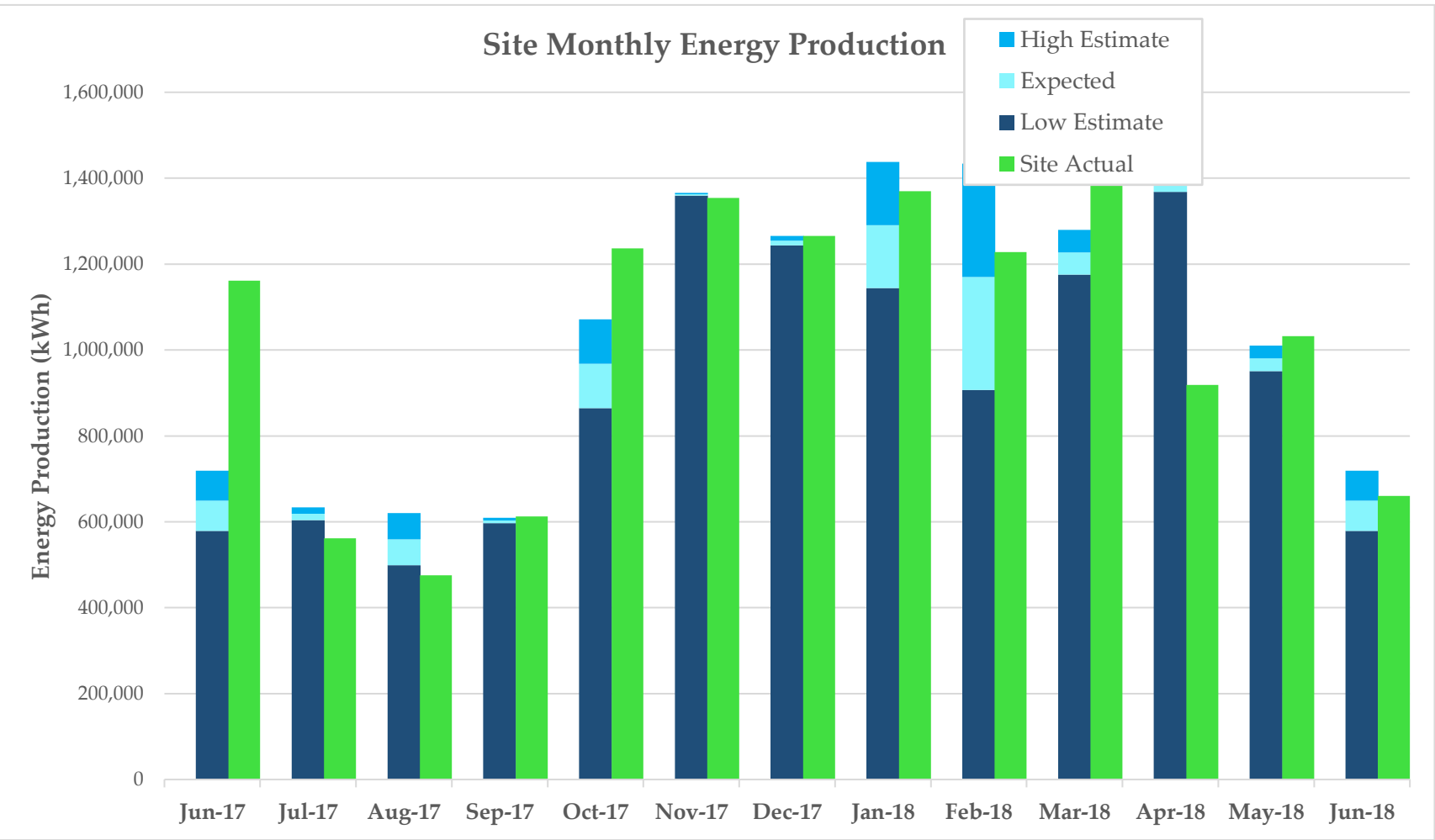
Van Wert, OH

A. Site Energy Production Summary

	Energy Production (kWh)				
	Site		By Turbine		
	Expected Production	Actual Production	WTG 1	WTG 2	WTG 3
Jun-17	649,158	1,161,410	402,990	369,220	389,200
Jul-17	618,687	561,560	191,610	186,470	183,480
Aug-17	559,508	475,092	176,146	172,986	125,960
Sep-17	603,085	612,820	204,550	207,830	200,440
Oct-17	967,926	1,236,610	415,110	393,660	427,840
Nov-17	1,362,692	1,354,336	447,934	467,136	439,266
Dec-17	1,254,397	1,265,600	312,430	468,440	484,730
Jan-18	1,290,968	1,369,330	300,220	544,990	524,120
Feb-18	1,170,349	1,227,684	415,536	413,210	398,938
Mar-18	1,227,217	1,400,340	500,650	409,470	490,220
Apr-18	1,438,497	918,970	311,290	302,960	304,720
May-18	980,450	1,031,960	343,900	352,850	335,210
Jun-18	649,158	660,000	219,170	215,060	225,770
Production 2018 (ytd) (kWh)	6,756,639	6,608,284	2,090,766	2,238,540	2,278,978
Total Production (kWh)*	12,122,935	12,114,302	3,838,546	4,135,062	4,140,694
Capacity Factor*	30.73% *Value calculated over the last 12 months				

B. Site Energy Production Graph

June-2018



Monthly Report

June-2018



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
July-2018	Goldwind 6 Year Maintenance	~15	WTG 1
July-2018	Goldwind 6 Year Maintenance	~15	WTG 2
July-2018	Goldwind 6 Year Maintenance	~15	WTG 3

E. Actual Maintenance Events

Date	Event	Planned/Unplanned	Duration (hr)	Turbine
6/28/2018	Grid Fault	Unplanned	4.32	WTG 2

F. Turbine Availability & Downtime

Availability (%)	This Month	Year to Date
WTG 1	100.00%	99.13%
WTG 2	100.00%	99.45%
WTG 3	100.00%	99.32%
Avg	100.00%	99.30%

Downtime (hr)	This Month	Year to Date
WTG 1	0.00	327.33
WTG 2	6.47	316.29
WTG 3	0.00	353.32
Total	6.47	996.94

G. Wind Speed & Capacity Factor

Wind Speed (mph)	This Month	2018 Annual
WTG 1	11.59	13.40
WTG 2	10.18	13.04
WTG 3	10.86	13.54
Estimated	11.44	13.39

Capacity Factor (%)	This Month	2018 Annual
WTG 1	20.29%	32.09%
WTG 2	19.91%	34.35%
WTG 3	20.90%	34.98%
Low Estimate	17.87%	28.70%

H. Report Notes and Comments

*Annual Maintenance moved to July-2018