



HARPSTER WIND PROJECT

Harpster, OH

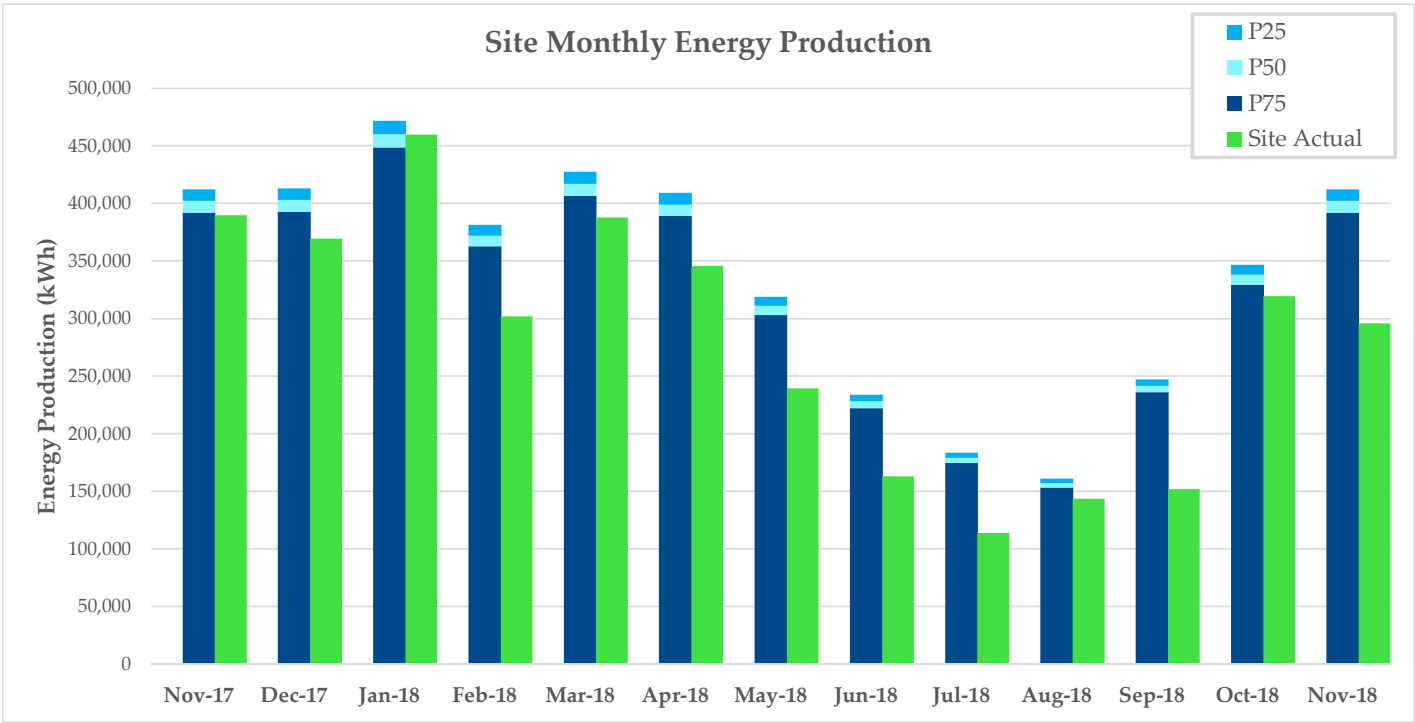
A. Site Energy Production Summary

	Energy Production (kWh)	
	Project	
	P50 (Expected Production)	Actual Production
Nov-17	402,000	389,716
Dec-17	403,000	369,540
Jan-18	460,000	459,673
Feb-18	372,000	301,893
Mar-18	417,000	387,657
Apr-18	399,000	345,831
May-18	311,000	239,306
Jun-18	228,000	163,129
Jul-18	179,000	113,791
Aug-18	157,000	143,429
Sep-18	224,000	151,775
Oct-18	338,000	319,425
Nov-18	402,000	295,590
Production 2018 (ytd) (kWh)	3,487,000	2,921,499
Total Production (kWh)*	3,890,000	3,291,039
Capacity Factor*	25.05%	

*Value calculated over the last 12 months

B. Site Energy Production Graph

November-2018



Monthly Report

November-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)	Wind Turbine
April-2019	Goldwind 3 Year Maintenance	~15	H1

E. Actual Maintenance Events

Date	Event	Planned/Unplanned	Duration (hr)	Wind Turbine
11/15/2018	Icing Event	Unplanned	22.77	H1
11/16/2018	Icing Event	Unplanned	8.68	H1
11/19/2018	Goldwind 2.5 Year Maintenance	Planned	4.92	H1

F. Turbine Availability & Downtime

Availability	This Month	Year To Date
WTG	99.97%	99.93%
Downtime (hr)	This Month	Year To Date
WTG	38.98	273.74

G. Billed Data

Meter Reading (Date/Time)	11/21/2018 12:00 AM
Meter To Date Produced	8,940,015 kWh
Meter To Date Consumed	32,676 kWh
Last Reading Produced	8,688,797 kWh
Last Reading Consumed	31,719 kWh
Billed kWh	250,260 kWh
Next Meter Reading	12/21/2018 12:00 AM

H. Report Notes and Comments