



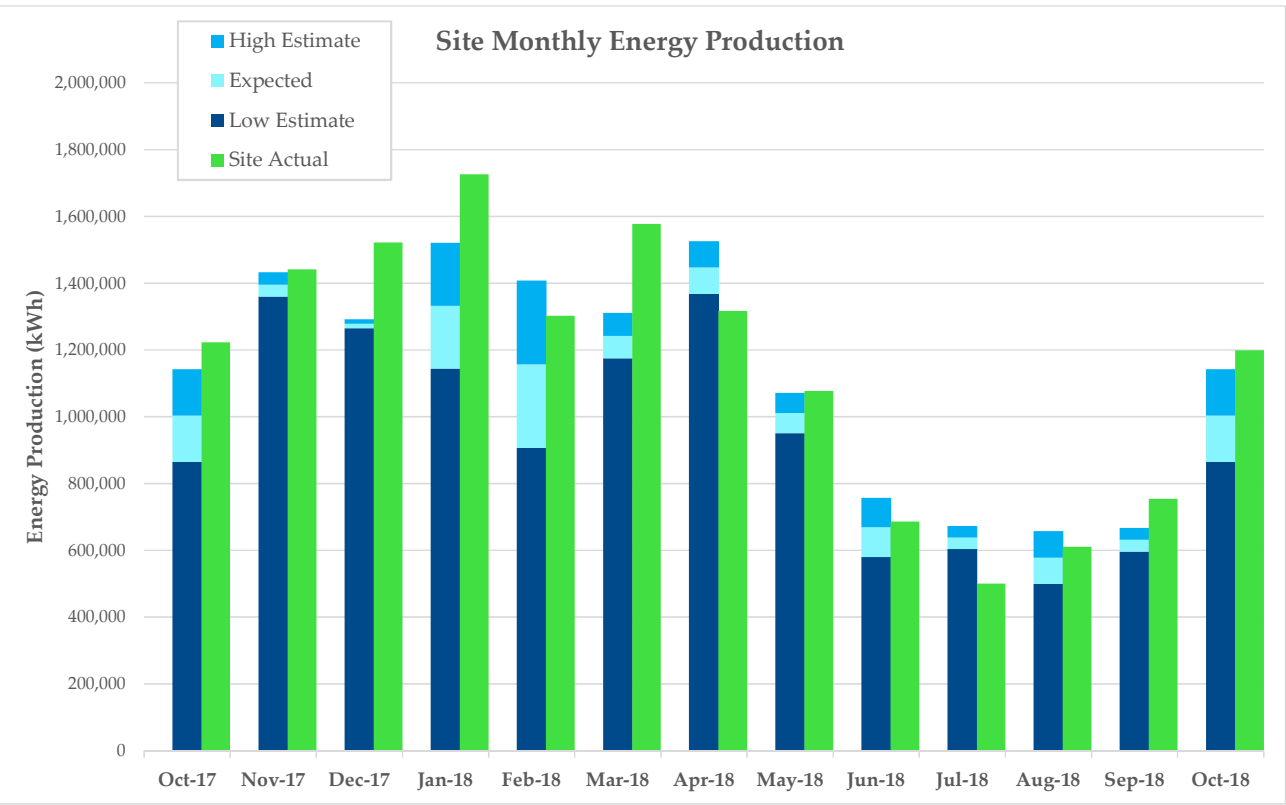
Haviland Plastic Products, Co.
Haviland, OH

A. Site Energy Production Summary

	Energy Production (kWh)				
	Site		By Turbine		
	Expected Production	Actual Production	WTG A	WTG B	WTG C
Oct-17	1,003,602	1,223,590	422,370	411,740	389,480
Nov-17	1,395,914	1,441,140	493,690	470,470	476,980
Dec-17	1,278,858	1,521,630	522,010	495,750	503,870
Jan-18	1,332,437	1,726,420	585,680	568,390	572,350
Feb-18	1,157,019	1,303,000	447,860	426,380	428,760
Mar-18	1,242,761	1,576,970	530,020	505,480	541,470
Apr-18	1,447,248	1,316,810	462,450	405,270	449,090
May-18	1,010,966	1,077,570	344,730	377,970	354,870
Jun-18	668,411	686,130	223,300	224,540	238,290
Jul-18	638,097	499,960	165,840	165,390	168,730
Aug-18	577,992	610,690	217,500	193,470	199,720
Sep-18	631,697	754,220	249,590	254,010	250,620
Oct-18	1,003,602	1,199,060	420,610	355,340	423,110
Production 2018 (ytd) (kWh)	9,710,228	10,750,830	3,647,580	3,476,240	3,627,010
Total Production (kWh)*	12,384,999	13,713,600	4,663,280	4,442,460	4,607,860
Capacity Factor*	34.79%		*Value calculated over the last 12 months		

B. Site Energy Production Graph

October-2018



Monthly Report
October-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
January-2019	Goldwind 6.5 Year Maintenance	~8	WTG A
January-2019	Goldwind 6.5 Year Maintenance	~8	WTG B
January-2019	Goldwind 6.5 Year Maintenance	~8	WTG C

E. Actual Maintenance Events - October 2018

Date	Event	Planned/Unplanned	Duration (hr)	Turbine
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F. Turbine Availability & Downtime

Availability (%)	This Month	Year to Date
WTG A	100.00%	98.39%
WTG B	99.90%	98.83%
WTG C	100.00%	99.54%
Avg	99.97%	98.92%

Downtime (hr)	This Month	Year to Date
WTG A	0.84	219.59
WTG B	0.71	186.14
WTG C	0.00	165.80
Total	1.55	571.53

G. Wind Speed & Capacity Factor

Wind Speed (mph)	This Month	2018 Annual
WTG A	12.78	11.99
WTG B	12.60	11.97
WTG C	13.54	12.67
Estimated	13.89	13.39

Capacity Factor (%)	This Month	2018 Annual
WTG A	37.69%	33.33%
WTG B	31.84%	31.76%
WTG C	37.91%	33.14%
Low Estimate	25.82%	32.74%

H. Report Notes and Comments

*Dates updated to reflect Goldwind's projected maintenance schedule.