

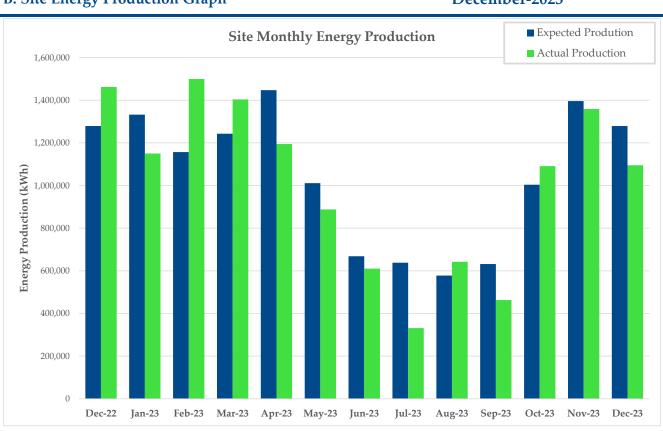
# Haviland Plastic Products, Co. Haviland, OH

# A. Site Energy Production Summary

			Energy Production (kWh)				7
		Si	ite	By Turbine			
		Expected Prodution	Actual Production	WTG A	WTG B	WTG C	
	Dec-22	1,278,858	1,462,265	467,266	514,480	480,519	1
	Jan-23	1,332,437	1,150,057	407,479	370,851	371,727	
	Feb-23	1,157,019	1,499,564	513,873	511,795	473,896	
	Mar-23	1,242,761	1,403,979	477,517	451,995	474,467	***
	Apr-23	1,447,248	1,194,254	398,085	398,085	398,085	*
	May-23	1,010,966	887,683	300,440	287,583	299,660	****
	Jun-23	668,411	610,504	240,557	117,217	252,730	
	Jul-23	638,097	331,312	124,906	135,529	70,877	
	Aug-23	577,992	642,748	209,098	212,029	221,621	
	Sep-23	631,697	463,267	154,792	153,657	154,818	
	Oct-23	1,003,602	1,091,106	381,773	348,712	360,621	
	Nov-23	1,395,914	1,358,931	475,875	461,556	421,500	
	Dec-23	1,278,858	1,094,994	354,430	371,945	368,619	
Production 2023 (ytd) (kWh)		12,385,000	11,728,399	4,038,825	3,820,954	3,868,621	
Total Production (LTM) (kWh)		12,385,000	11,728,399	4,038,825	3,820,954	3,868,621	
Capacity	y Factor (LTM)	29.7	75%				

### **B. Site Energy Production Graph**

#### December-2023



# Monthly Report December-2023



FINANCING WIND FOR INDUSTRY

# C. Safety Summary

	This Month	Project Cumulative	
Recordable Incident(s)	0	0	
Near Miss(es)	0	0	

#### D. Planned Maintenance Events

		Duration		
Date	Event	(hr)	Turbine	
June-2024	11.5 Year Maintenance	~8	WTG A	
June-2024	11.5 Year Maintenance	~8	WTG B	
June-2024	11.5 Year Maintenance	~8	WTG C	

#### **E. Actual Maintenance Events**

		Planned/	Duration	
Date	Event	Unplanned	(hrs)	Turbine
12/3/2023-12/4/2023	Turbine Fault	Unplanned	11.94	WTG A
12/4/2023	11 Year Maintenance	Planned	4.00	WTG A
12/5/2023	11 Year Maintenance	Planned	5.64	WTG B
12/6/2023	11 Year Maintenance	Planned	4.30	WTG C

#### F. Turbine Availability & Downtime\*\*

# G. Wind Speed & Capacity Factor

	<u> </u>			1 7	
Availability	This Month	Year To Date	Wind Speed (mph)	This Month	2022 Annual
WTG A	100.00%	100.00%	WTG A	11.74	11.54
WTG B	100.00%	99.70%	WTG B	11.68	11.20
WTG C	100.00%	99.40%	WTG C	12.46	12.13
Avg	100.00%	99.70%	Estimated	14.23	13.39
Downtime (hr)	This Month	Year To Date	Capacity Factor (%)	This Month	2022 Annual
WTG A	15.94	379.26	WTG A	31.76%	30.19%
WTG B	5.64	502.92	WTG B	33.33%	28.38%
WTG C	4.3	471.39	WTG C	33.03%	28.86%
Total	25.88	1353.57	Low Estimate	37.80%	28.72%

# H. Report Notes and Comments

<sup>\*</sup>Production read from the meter due to SCADA communication issues.

<sup>\*\*</sup>Due to expiration of the OEM warranty, turbine availability and downtime reporting will no longer include warrantied availability. Downtime will be categorized appropriately.

<sup>\*\*\*</sup>March 2023 WTG Energy Production contains estimates due to a SCADA error. 3/30/2023 and 3/31/2023 are missing data for all 3 Turbines.

<sup>\*\*\*\*</sup>May 2023 - 5/7/2023 and 5/8/2023 Production is from the meter due to a SCADA server error.