

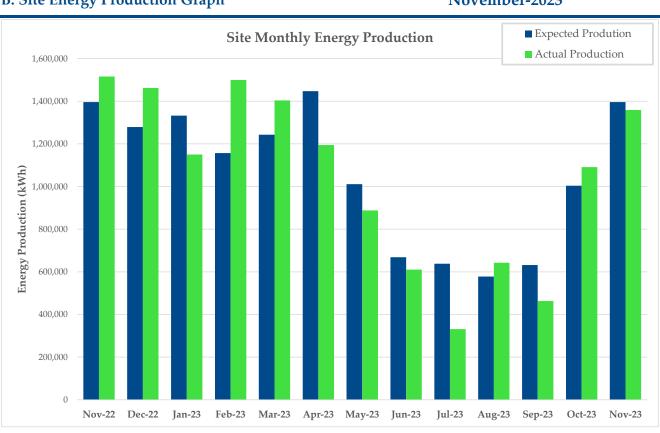
# Haviland Plastic Products, Co. Haviland, OH

# A. Site Energy Production Summary

		Energy Production (kWh)				1	
		Site		By Turbine			1
		Expected Actual		WTG A	WTG B	WTG C	
		Prodution	Production	WIGA	WIGD	WIGC	
	Nov-22	1,395,914	1,515,960	520,077	499,774	496,109	
	Dec-22	1,278,858	1,462,265	467,266	514,480	480,519	
	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	
Production 2023 (ytd) (kWh)		11,106,142	10,633,405	3,684,395	3,449,009	3,500,002	
Total Production (LTM) (kWh)		12,385,000	12,095,670	4,151,661	3,963,489	3,980,521	
Capacity Factor (LTM)		30.0	68%	·			

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

#### November-2023



# Monthly Report November-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
December-2023	11 Year Maintenance	~15	WTG A
December-2023	11 Year Maintenance	~15	WTG B
December-2023	11 Year Maintenance	~15	WTG C

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

		Planned/	Duration	
Date	Event	Unplanned	(hrs)	Turbine
11/12/2023	Plant Outage	Unplanned	6.75	WTG A, WTG C
11/23/2023	Turbine Fault	Unplanned	4.97	WTG A
11/27/2023-11/28/2023	Turbine Fault	Unplanned	31.84	WTG C
11./29/2023	Turbine Fault	Unplanned	4.46	WTG C

# F. Turbine Availability & Downtime\*\*

This Month

100.00%

100.00%

100.00%

Availability

WTG A

WTG B

WTG C

Wind Speed (mph)	This Month	2022 Annual
WTG A	13.56	11.52
WTG B	13.09	11.15
WTG C	13.90	12.09

G. Wind Speed & Capacity Factor

Avg	100.00%	99.67%	Estimated	15.58	13.39
Downtime (hr)	This Month	Year To Date	Capacity Factor (%)	This Month	2022 Annual
WTG A	14.11	363.32	WTG A	44.06%	30.03%
WTG B	5.08	497.28	WTG B	42.74%	27.88%
WTG C	44.1	467.09	WTG C	39.03%	28.44%
Total	63.29	1327.69	Low Estimate	41.95%	28.72%

# H. Report Notes and Comments

Year To Date

100.00%

99.67%

99.35%

<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.