

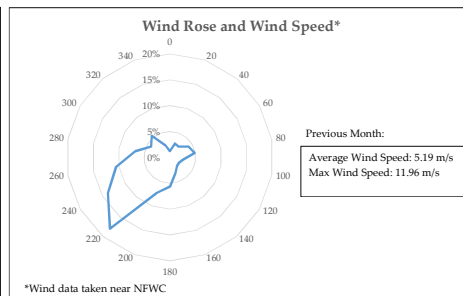
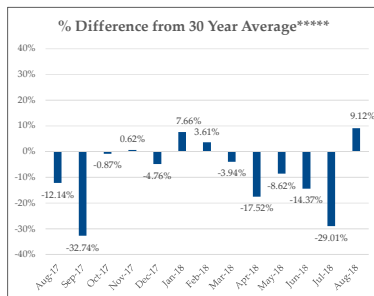
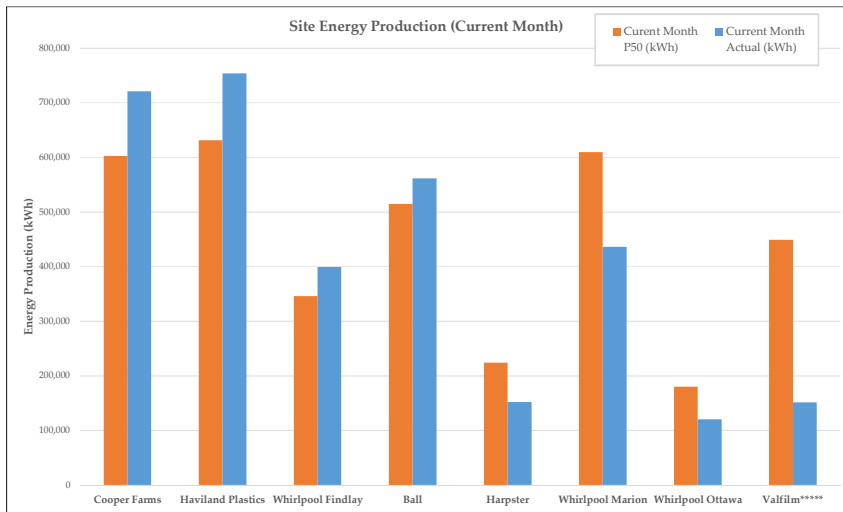
Wind for Industry® Fleet Report

September-2018



Fleet Energy Production Summary & Month Characterization

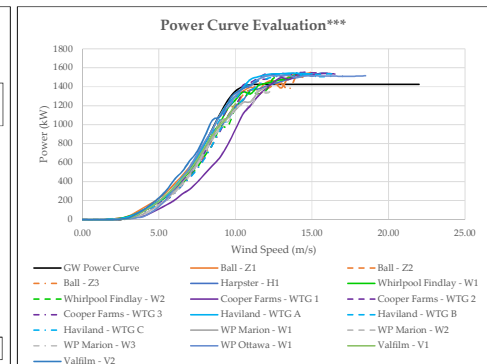
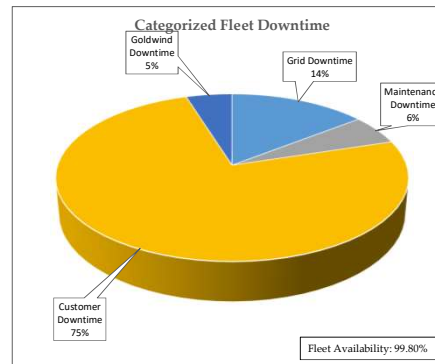
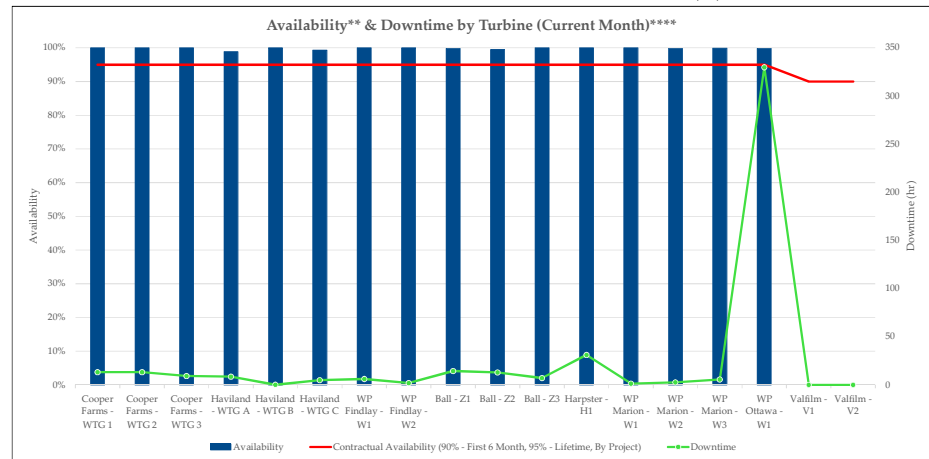
	Size (MW)	Energy Production				
		Current Month P50 (kWh)	Current Month Actual (kWh)	Rolling 12 Month P50 (kWh)	Rolling 12 Month Actual (kWh)	Rolling 12 Month CF
Cooper Farms	4.5	603,085	720,940	12,122,935	12,275,489	31.14%
Haviland Plastics	4.5	631,697	754,220	12,384,999	13,738,130	34.85%
Whirlpool Findlay	3.0	346,000	399,326	8,200,000	7,776,110	29.59%
Ball	4.5	515,000	561,865	12,222,000	10,581,053	26.84%
Harpster	1.5	224,000	151,775	3,890,000	3,356,641	25.55%
Whirlpool Marion	4.5	610,000	436,562	11,166,000	-	-
Whirlpool Ottawa	1.5	180,000	120,485	4,266,000	-	-
Valfilm****	3.0	449,000	151,192	7,625,000	-	-
Fleet	27.0	3,558,782	3,296,365	71,876,934	47,727,423	
Fleet Rolling 12 month Capacity Factor:						29.59%



* Rolling month characterization is always one month behind because the data used in this analysis is always one month behind. Changes to rolling month characterization reflect updated analysis methodology and additional data availability.

Fleet Performance & Metrics

Safety Summary			
	This Month	Fleet Cumulative	
Recordable Incident(s):	0	0	
Near Miss(es):	0	0	
Planned Maintenance****			
Date	Project - Event	Duration (hrs)	Wind Turbine
October-2018	Valfilm - Goldwind 500 Hour Maintenance	-8	V1, V2
October-2018	WP Marion - Goldwind 1 Year Maintenance	-15	W1,W2,W3
November-2018	Harpster - Goldwind 2.5 Year Maintenance	-8	H1
November-2018	Cooper - Goldwind 6.5 Year Maintenance	-8	WTG1, WTG2, WTG3
November-2018	WP Findlay - Goldwind 2.5 Year Maintenance	-8	W1, W2
November-2018	Haviland Plastics - Goldwind 6.5 Year Maintenance	-8	WTGA, WTGB, WTGC
January-2019	WP Ottawa - Goldwind 1 Year Maintenance	-15	W1
March-2019	Ball - Goldwind 2.5 Year Maintenance	-8	Z1, Z2, Z2



** Availability in this report refers to Goldwind's contractual availability (as defined per the applicable contract per project).

*** Power Curve validation completed using LiDAR equivalent wind speeds (conversion introduces about 3% error) and 95% of GW Power Curve (warranty amount).

****Valfilm Downtime and Availability to be included once full month of SCADA data is available.

*****Valfilm Septemer production read from meter.