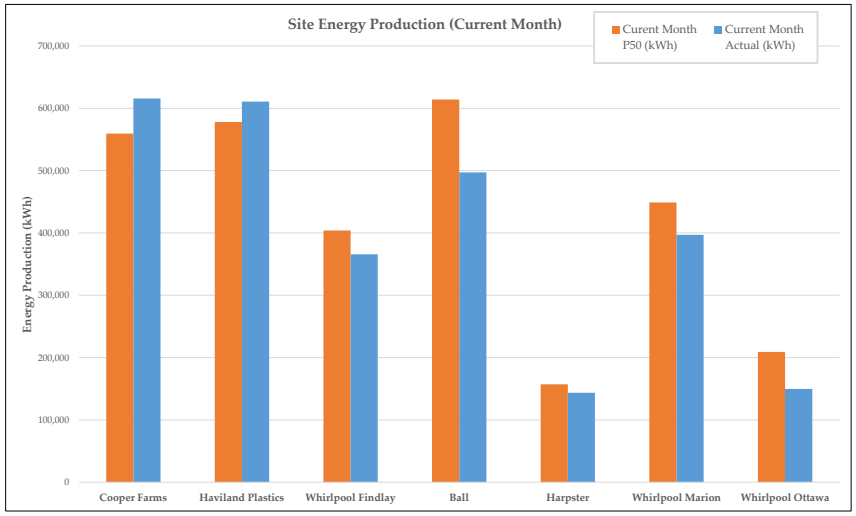
Wind for Industry® Fleet Report

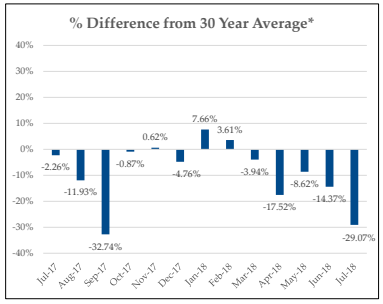
August-2018

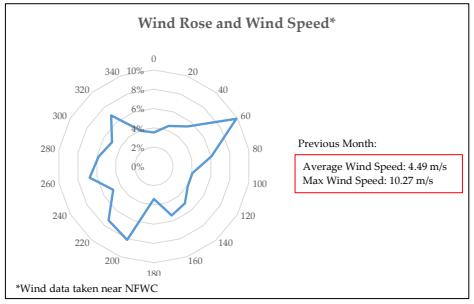
ONE ENERGY
WIND FOR INDUSTRY®

Fleet Energy Production Summary & Month Characterization****

		Energy Production				
	Size (MW)	Curent 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	559,508	615,620	12,122,935	12,167,369	30.87%
Haviland Plastics	4.5	577,992	610,690	12,384,999	13,589,006	34.47%
Whirlpool Findlay	3.0	404,000	365,718	8,251,000	7,714,029	29.35%
Ball	4.5	614,000	497,290	12,548,000	10,460,151	26.54%
Harpster	1.5	157,000	143,429	3,890,000	3,334,755	25.38%
Whirlpool Marion	4.5	449,000	397,006	11,166,000	-	-
Whirlpool Ottawa	1.5	209,000	149,747	4,266,000	-	-
Fleet	24.0	2,970,500	2,779,500	64,628,934	47,265,310	
Fleet Rolling 12 month Capacity Factor:						29.32%







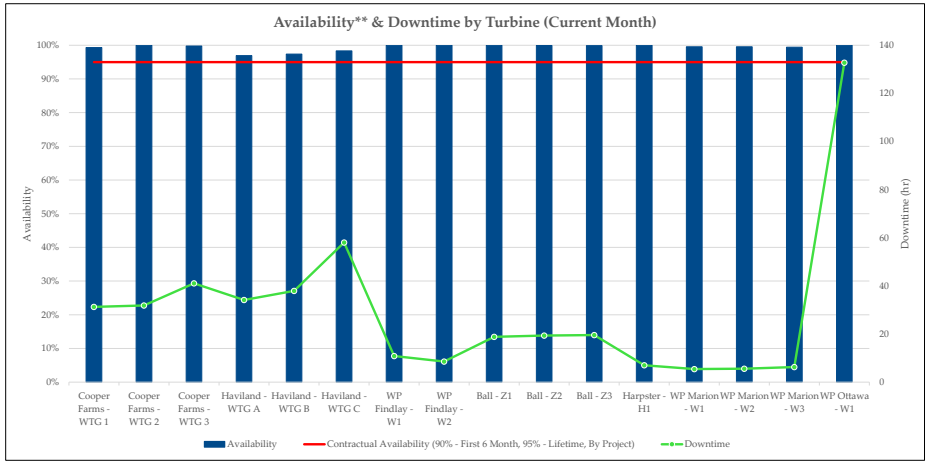
* Rolling month characterization is always one month behind because the data used in this analysis is always one month behind. Changes to rolling month characterization reflect updated analysis methodology and additional data availability.
****Marion Production data includes three days read from the meter due to SCADA issue.

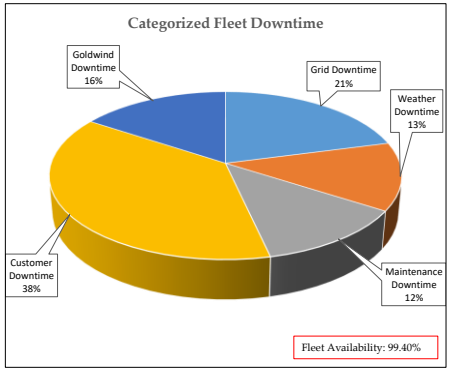
Fleet Performance & Metrics

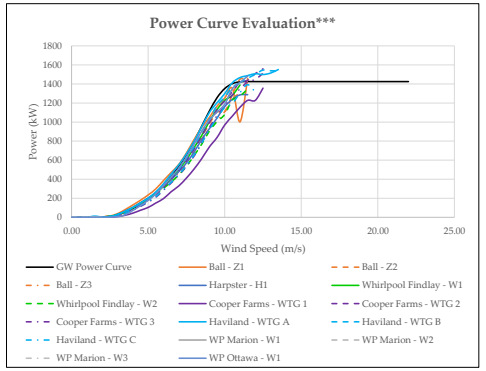
Safety Summary		
	This Month	Fleet Cumulative
Recordable Incident(s):	0	0
Near Miss(es):	0	0

Planned Maintenance**

Date	Project - Event	Duration (hrs)	Wind Turbine
September-2018	Ball - Goldwind 2.5 Year Maintenance	~8	Z1, Z2, Z2
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	WTGB, WTGC
January-2019	WP Ottawa - Goldwind 1 Year Maintenance	~15	W1







** 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). Marion not included in Power Curve evaluation due to SCADA issue.