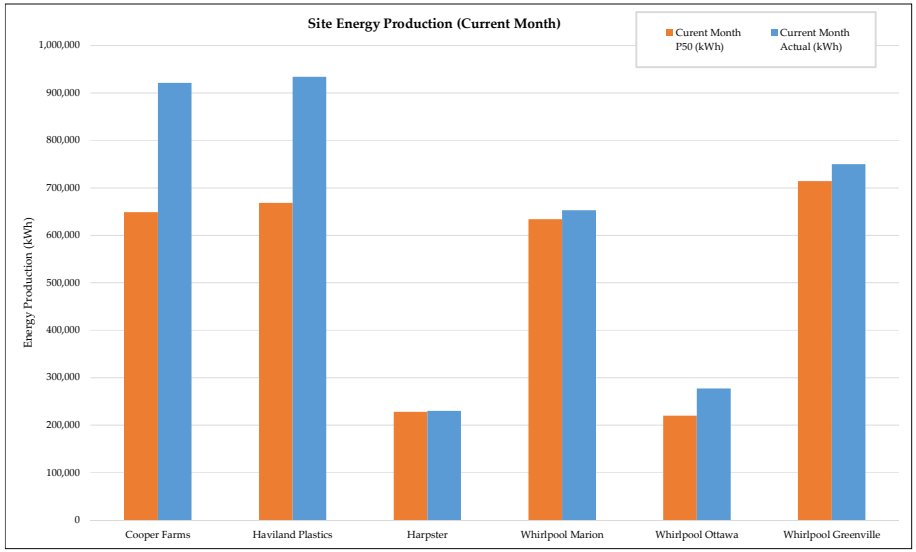
Wind for Industry® Fleet Report - Regional

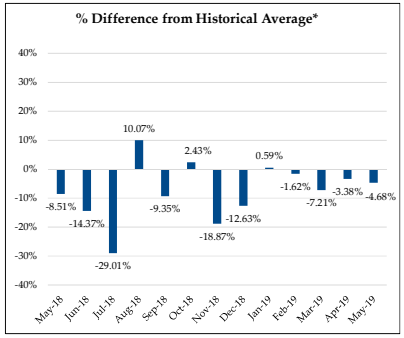
June-2019

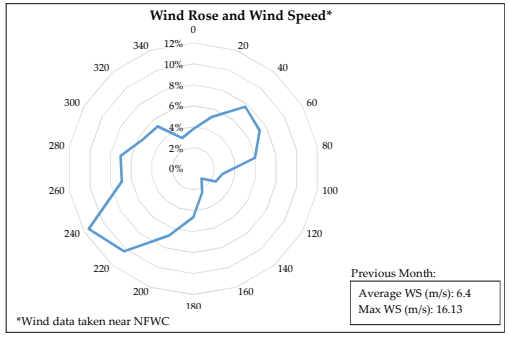
ONE ENERGY
WIND FOR INDUSTRY®

Fleet Energy Production Summary & Month Characterization

		Energy Production				
	Size (MW)	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	649,158	921,230	12,122,935	12,808,762	32.49%
Haviland Plastics	4.5	668,411	934,460	12,384,999	12,978,510	32.92%
Harpster	1.5	228,000	230,470	3,890,000	3,339,196	25.41%
Whirlpool Marion	4.5	634,000	653,072	11,166,000	9,410,238	23.87%
Whirlpool Ottawa	1.5	220,000	276,978	4,266,000	3,822,013	29.09%
Whirlpool Greenville	4.5	714,000	750,094	12,036,000	-	-
Fleet - Regional	21.0	3,113,568	3,766,304	55,865,934	42,358,719	
Fleet - Regional Rolling 12 month Capacity Factor:						28.76%





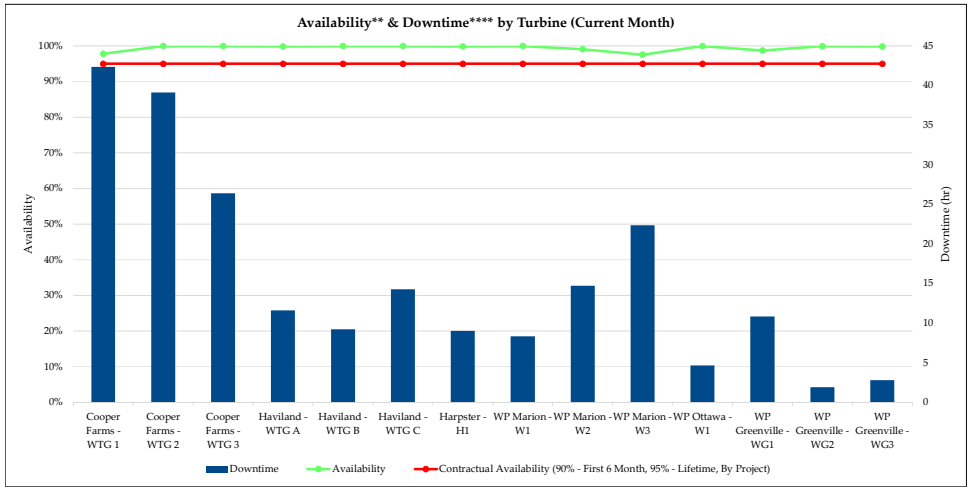


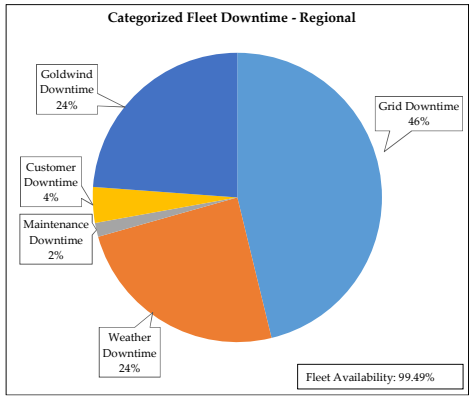
* Rolling month characterization is always one month behind because the data used in this analysis is always one month behind. Changes to rolling month characterization reflect additional data availability.

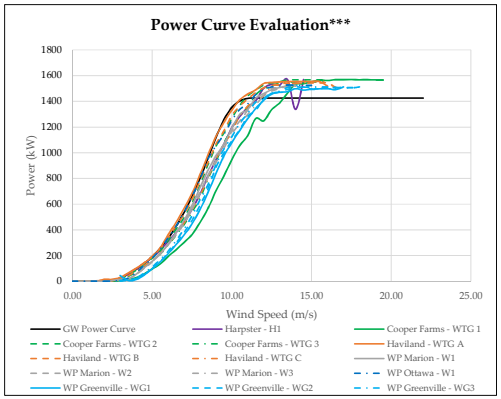
Fleet Performance & Metrics

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
July-2019	WP Greenville - Goldwind 6 Month Maintenance	~8	WG1,WG2,WG3
September-2019	Cooper - Goldwind 7 Year Maintenance	~15	WTG1, WTG2, WTG3
September-2019	Haviland Plastics - Goldwind 7 Year Maintenance	~15	WTGA, WTGB, WTGC
September-2019	WP Ottawa - Goldwind 1.5 Year Maintenance	~8	W1
October-2019	Harpster - Goldwind 3.5 Year Maintenance	~8	H1
November-2019	WP Marion - Goldwind 1 Year Maintenance	~15	W1,W2,W3







** 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).

****Greenville Goldwind Availability & Downtime for June under dispute.