



BALL CORPORATION - ZEPHYR WIND PROJECT 1.0 & 2.0

North Findlay Wind Campus, Findlay, Ohio

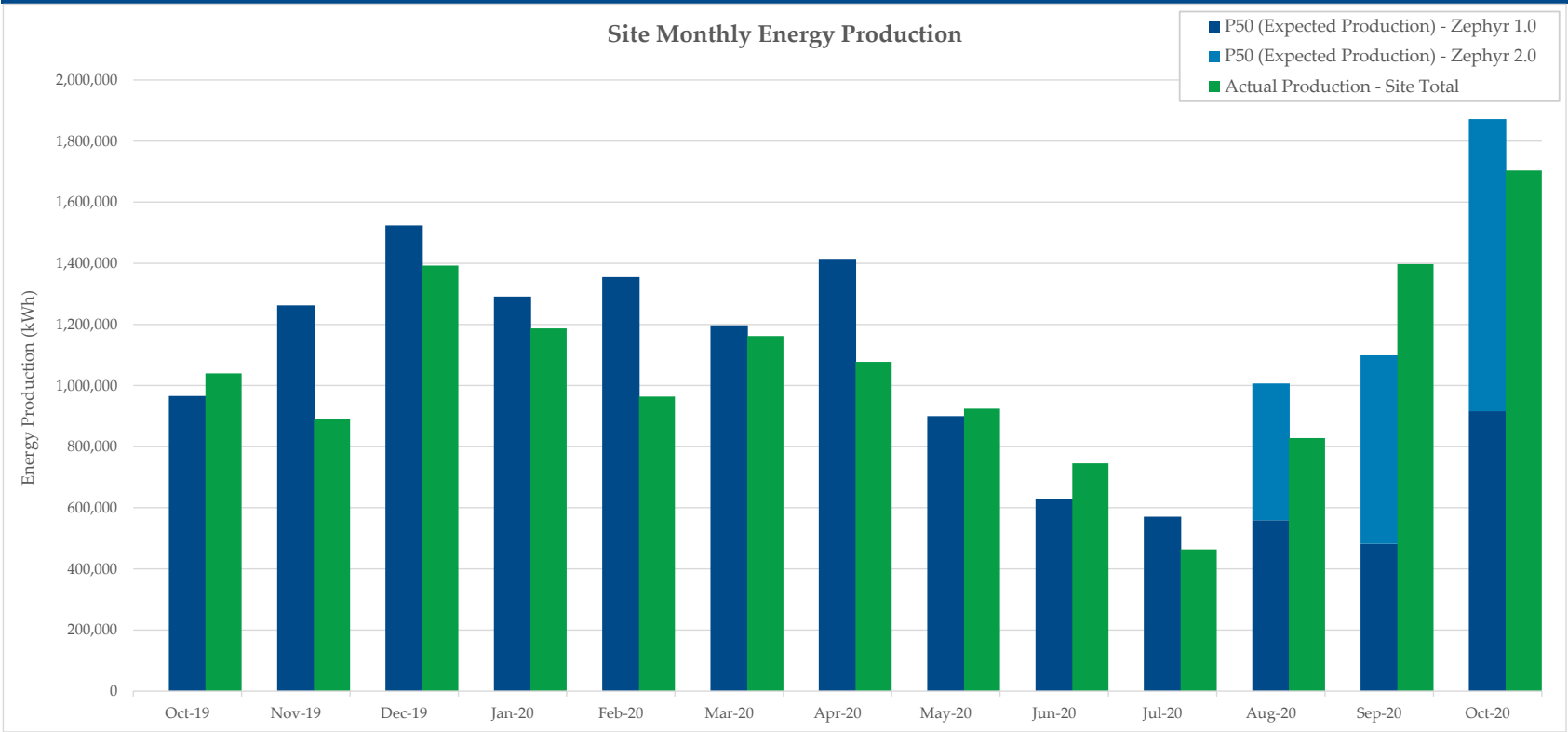
A. Site Energy Production Summary*

	Energy Production (kWh)							
	Site		By Turbine					
	P50 (Expected Production)	Actual Production	Z1	Z2	Z3	Z4	Z5	Z6
Oct-19	966,000	1,039,656	350,721	348,791	340,144			
Nov-19	1,262,000	889,667	312,289	296,145	281,233			
Dec-19	1,524,000	1,392,651	483,293	460,120	449,238			
Jan-20	1,291,000	1,187,158	410,228	396,206	380,724			
Feb-20	1,355,000	963,876	349,562	308,005	306,309			
Mar-20	1,197,000	1,162,213	396,502	388,972	376,739			
Apr-20	1,415,000	1,077,278	363,770	357,740	355,768			
May-20	900,000	924,506	311,078	306,313	307,115			
Jun-20	628,000	745,225	255,090	244,089	246,046			
Jul-20	571,000	463,808	161,712	150,497	151,599			
Aug-20	1,007,000	828,321	150,588	137,019	128,249	141,347	122,472	148,646
Sep-20	1,099,000	1,397,051	244,046	228,724	213,685	228,314	239,356	242,926
Oct-20	1,872,000	1,703,715	301,587	287,867	263,660	284,918	272,587	293,096
Production 2020 (ytd) (kWh)	11,335,000	10,453,151	2,944,163	2,805,432	2,729,894	654,579	634,415	684,668
Total Production (kWh)*	14,121,000	12,735,469	3,739,745	3,561,697	3,460,365	654,579	634,415	684,668
Capacity Factor*	Site:	N/A	Zephyr 1.0:	27.23%		Zephyr 2.0:	N/A	

*Value calculated over the last 12 months

B. Site Energy Production Graph

October-2020



Monthly Report

October-2020



C. Safety Summary

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

D. Planned Maintenance Events

Date	Event	Duration (hr)	Turbine
January-2021	Goldwind 6 Month Maintenance	~8	Z4
January-2021	Goldwind 6 Month Maintenance	~8	Z5
January-2021	Goldwind 6 Month Maintenance	~8	Z6
April-2021	Goldwind 5 Year Maintenance	~15	Z1
April-2021	Goldwind 5 Year Maintenance	~15	Z2
April-2021	Goldwind 5 Year Maintenance	~15	Z3

E. Actual Maintenance Events

Date	Event	Planned/Unplanned	Duration (hrs)	Turbine
10/5/2020	Goldwind 4.5 Year Maintenance	Planned	3.41	Z1
10/5/2020	Goldwind 4.5 Year Maintenance	Planned	2.55	Z2
10/6/2020	Goldwind 4.5 Year Maintenance	Planned	4.31	Z1, Z2, Z3
10/24/2020	Yaw Position Error	Unplanned	7.69	Z1

F. Turbine Availability & Downtime

Availability	This Month	Year To Date
Z1	98.53%	99.75%
Z2	100.00%	99.99%
Z3	100.00%	99.90%
Z4	99.63%	98.87%
Z5	100.00%	100.00%
Z6	100.00%	100.00%
Avg	99.69%	99.75%

Downtime (hr)	This Month	Year To Date
Z1	19.26	127.31
Z2	7.46	150.97
Z3	4.91	136.24
Z4	3.38	19.41
Z5	0.65	6.94
Z6	0.65	2.37
Total	36.31	443.24

G. Billed Data - Site Total

Meter Reading (Date/Time)	10/16/2020 12:00 AM
Meter To Date Produced	52,823,186 kWh
Meter To Date Consumed	73,504 kWh
Last Reading Produced	51,136,683 kWh
Last Reading Consumed	70,913 kWh
Billed kWh	1,683,912 kWh
Next Meter Reading	11/14/2020 12:00 AM

H. Report Notes and Comments

*Site and Zephyr 2.0 capacity factor to be included once full year of data is available. Change in production estimate due to Material Change in Circumstance.