



BALL CORPORATION - ZEPHYR WIND PROJECT

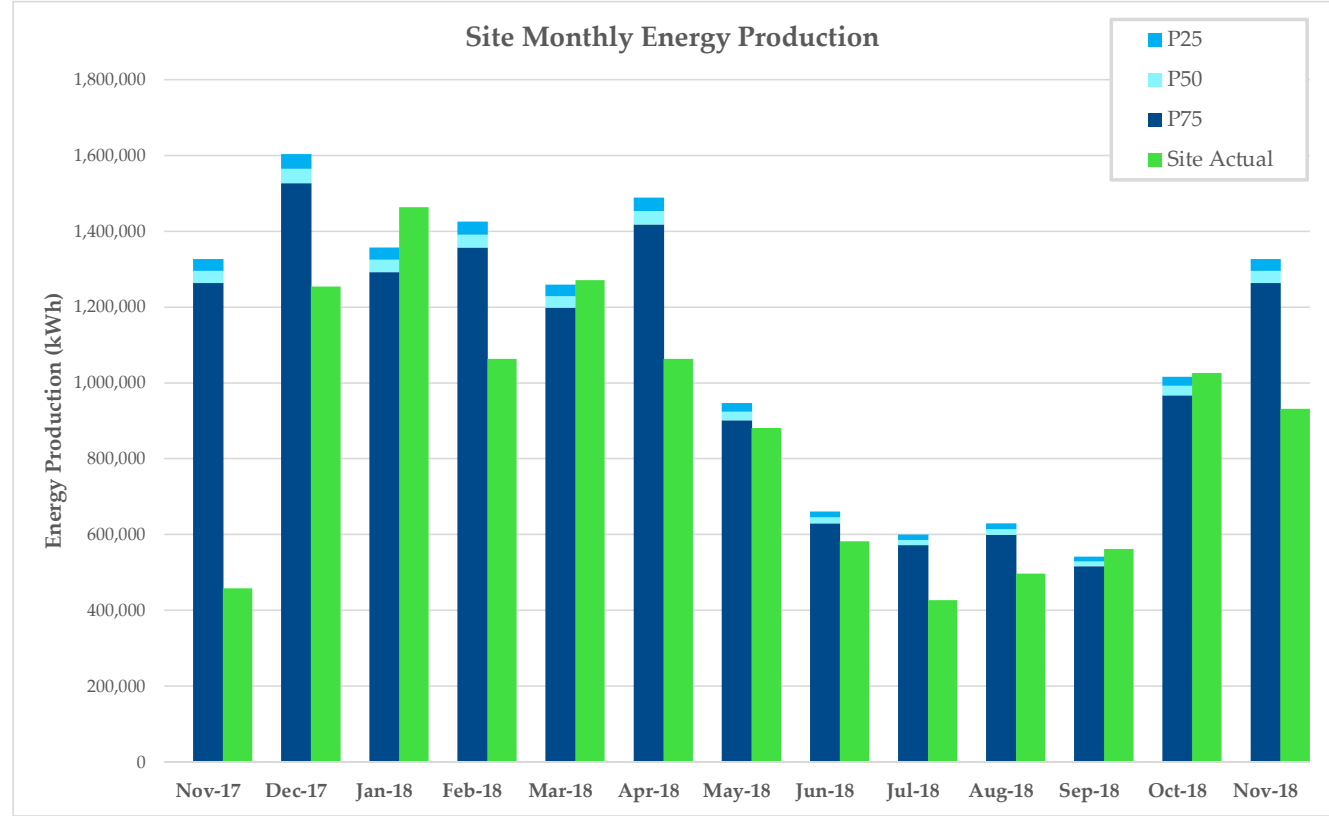
North Findlay Wind Campus, Findlay, OH

A. Site Energy Production Summary*

	Energy Production (kWh)				
	Site		By Turbine		
	P50 (Expected Production)	Actual Production	Z1	Z2	Z3
Nov-17	1,295,000	458,432	161,489	151,599	145,344
Dec-17	1,565,000	1,254,048	438,743	412,984	402,321
Jan-18	1,325,000	1,462,888	465,096	513,360	484,432
Feb-18	1,391,000	1,063,264	366,030	354,111	343,123
Mar-18	1,229,000	1,271,280	440,697	415,334	415,249
Apr-18	1,453,000	1,062,956	353,238	350,019	359,699
May-18	924,000	881,519	299,414	291,873	290,232
Jun-18	645,000	582,026	202,282	189,017	190,727
Jul-18	586,000	427,049	144,281	141,401	141,367
Aug-18	614,000	497,290	178,457	162,111	156,722
Sep-18	515,000	561,865	196,611	183,795	181,459
Oct-18	966,000	1,026,498	357,069	338,941	330,488
Nov-18	1,262,000	931,705	303,735	310,115	317,855
Production 2018 (ytd) (kWh)	10,910,000	9,768,340	3,306,910	3,250,077	3,211,353
Total Production (kWh)*	12,475,000	11,022,388	3,745,653	3,663,061	3,613,674
Capacity Factor*	27.96%		*Value calculated over the last 12 months		

B. Site Energy Production Graph

November-2018



Monthly Report November-2018



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
April-2019	Goldwind 3 Year Maintenance	~8	Z1
April-2019	Goldwind 3 Year Maintenance	~8	Z2
April-2019	Goldwind 3 Year Maintenance	~8	Z3

E. Actual Maintenance Events

Date	Event	Planned/Unplanned	Duration (hrs)	Turbine
11/15-16/2018	Icing Event	Unplanned	38.62	Z1
11/15-16/2018	Icing Event	Unplanned	38.80	Z2
11/15-16/2018	Icing Event	Unplanned	38.84	Z3

F. Turbine Availability & Downtime

Availability	This Month	Year To Date
Z1	99.92%	98.39%
Z2	100.00%	99.90%
Z3	100.00%	99.82%
Avg	99.97%	99.37%
Downtime (hr)	This Month	Year To Date
Z1	42.44	282.25
Z2	41.40	151.06
Z3	42.05	190.65
Total	125.89	623.96

G. Billed Data

Meter Reading (Date/Time)	11/14/2018 12:00 AM
Meter To Date Produced	30,953,134 kWh
Meter To Date Consumed	37,511 kWh
Last Reading Produced	29,902,454 kWh
Last Reading Consumed	36,770 kWh
Billed kWh	1,049,939 kWh
Next Meter Reading	12/14/2018 12:00 AM

H. Report Notes and Comments

*Change to P50 Expected Production due to Material Change in Circumstance.