



BALL CORPORATION - ZEPHYR WIND PROJECT

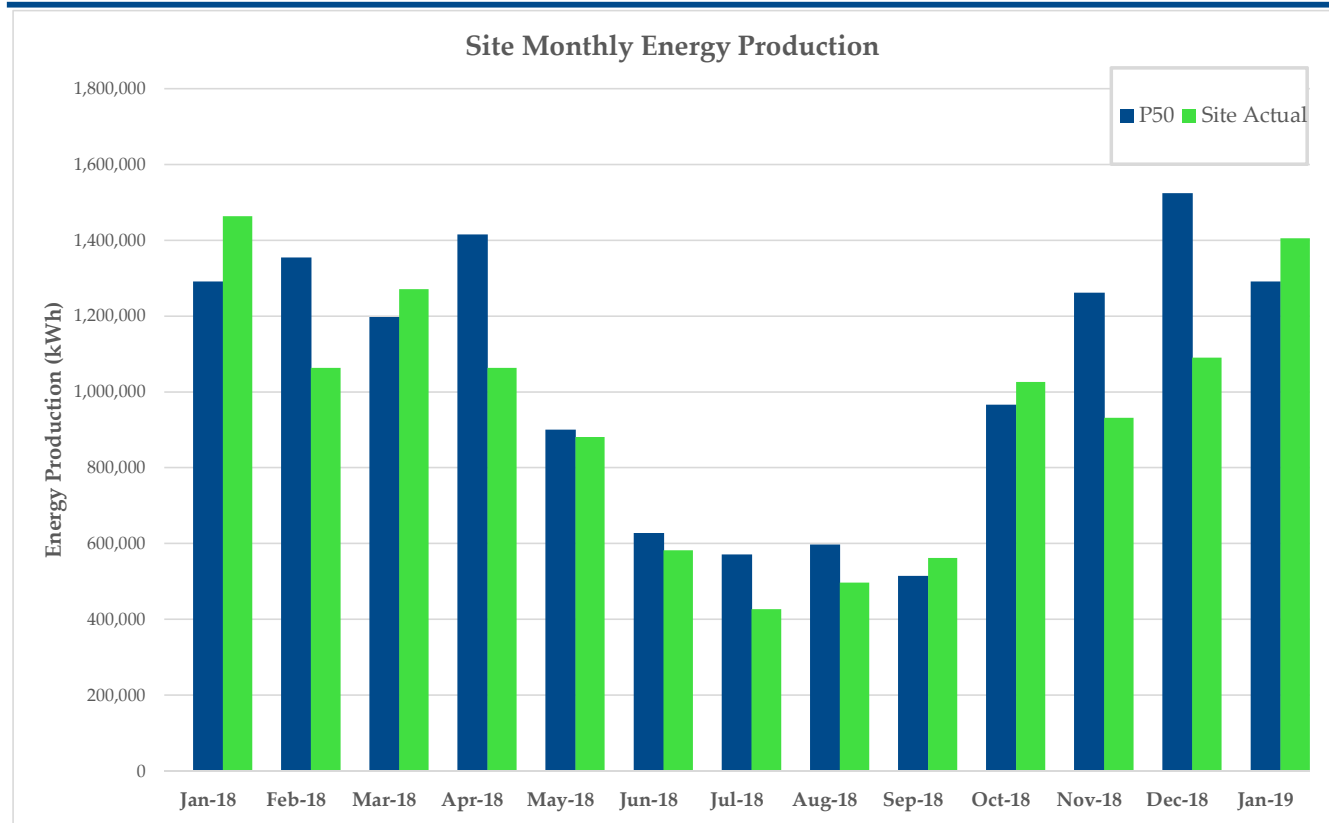
North Findlay Wind Campus, Findlay, OH

A. Site Energy Production Summary*

	Energy Production (kWh)				
	Site		By Turbine		
	P50 (Expected Production)	Actual Production	Z1	Z2	Z3
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
Dec-18	1,524,000	1,090,402	371,241	361,728	357,433
Jan-19	1,291,000	1,404,829	478,894	461,547	464,388
Production 2019 (ytd) (kWh)	1,291,000	1,404,829	478,894	461,547	464,388
Total Production (kWh)*	12,400,000	10,800,683	3,691,949	3,559,992	3,548,742
Capacity Factor*	27.40%		*Value calculated over the last 12 months		

B. Site Energy Production Graph

January-2019



Monthly Report January-2019



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
1/15-16/2019	Icing Event	Unplanned	17.04	Z1
1/15-16/2019	Icing Event	Unplanned	17.75	Z2
1/15-16/2019	Icing Event	Unplanned	18.67	Z3
1/20/2019	Grid Fault	Unplanned	10.90	Z1,Z2,Z3

F. Turbine Availability & Downtime

Availability	This Month	Year To Date
Z1	99.96%	99.96%
Z2	99.91%	99.91%
Z3	95.94%	95.94%
Avg	98.60%	98.60%

Downtime (hr)	This Month	Year To Date
Z1	31.19	31.19
Z2	32.30	32.30
Z3	62.75	62.75
Total	126.24	126.24

G. Billed Data

Meter Reading (Date/Time)	1/19/2019 12:00 AM
Meter To Date Produced	33,079,953 kWh
Meter To Date Consumed	41,201 kWh
Last Reading Produced	31,936,341 kWh
Last Reading Consumed	39,804 kWh
Billed kWh	1,142,216 kWh
Next Meter Reading	2/19/2019 12:00 AM

H. Report Notes and Comments

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