



# HARPSTER WIND PROJECT

Harpster, OH

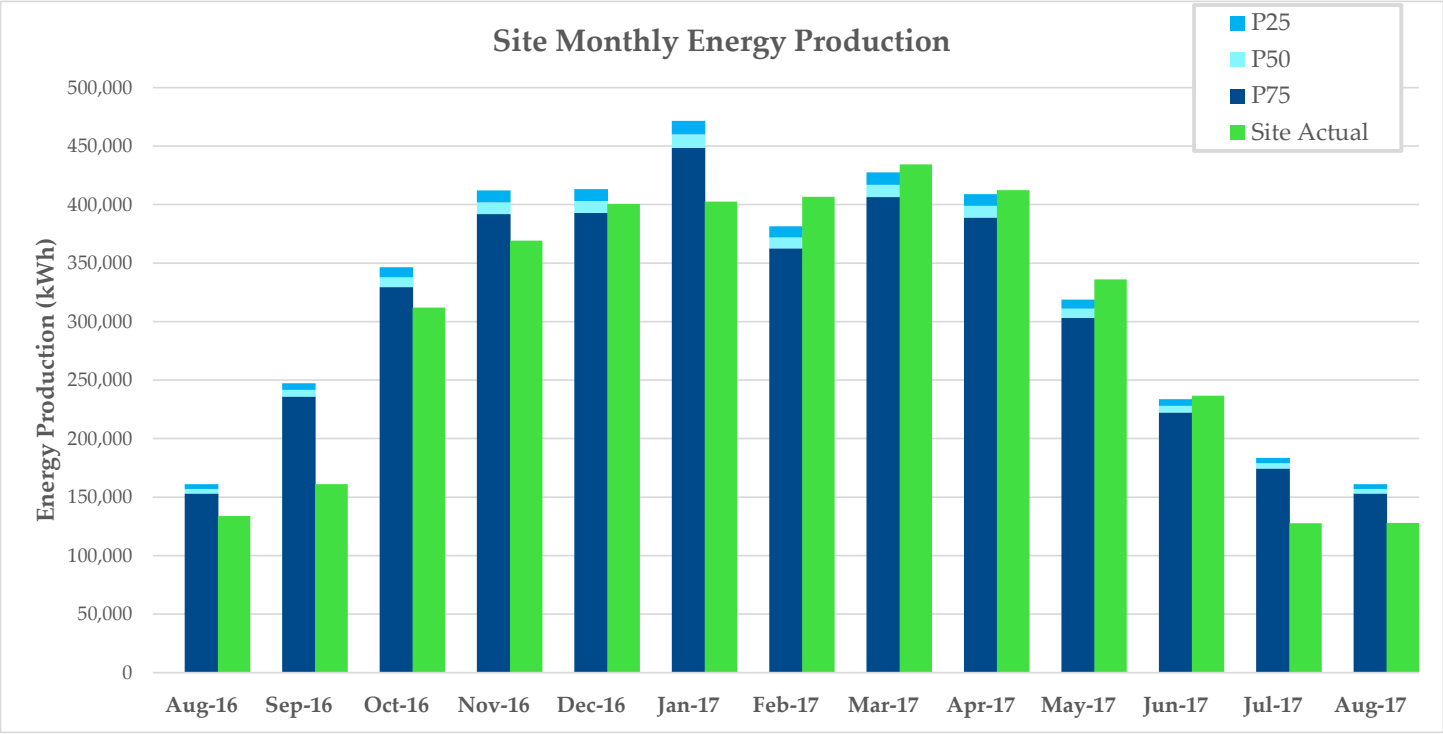
## A. Site Energy Production Summary

|                             | Energy Production (kWh)   |                   |
|-----------------------------|---------------------------|-------------------|
|                             | Project                   |                   |
|                             | P50 (Expected Production) | Actual Production |
| Aug-16                      | 157,000                   | 133,798           |
| Sep-16                      | 224,000                   | 160,959           |
| Oct-16                      | 338,000                   | 312,037           |
| Nov-16                      | 402,000                   | 369,112           |
| Dec-16                      | 403,000                   | 400,649           |
| Jan-17                      | 460,000                   | 402,596           |
| Feb-17                      | 372,000                   | 406,678           |
| Mar-17                      | 417,000                   | 434,411           |
| Apr-17                      | 399,000                   | 412,306           |
| May-17                      | 311,000                   | 335,979           |
| Jun-17                      | 228,000                   | 236,682           |
| Jul-17                      | 179,000                   | 127,663           |
| Aug-17                      | 157,000                   | 127,837           |
| Production 2017 (ytd) (kWh) | 2,523,000                 | 2,484,152         |
| Total Production (kWh)*     | 3,890,000                 | 3,726,909         |
| Capacity Factor*            | 28.36%                    |                   |

\*Value calculated over the last 12 months

## B. Site Energy Production Graph

August-2017



# Monthly Report

## August-2017



## 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) | Wind Turbine |
|----------------|-------------------------------|---------------|--------------|
| September-2017 | Goldwind 1.5 year maintenance | ~8            | H1           |

## E. Actual Maintenance Events

| Date      | Event      | Planned/Unplanned | Duration (hr) | Wind Turbine |
|-----------|------------|-------------------|---------------|--------------|
| 8/10/2017 | Grid Fault | Unplanned         | 12.41         | H1           |
| 8/11/2017 | Grid Fault | Unplanned         | 4.76          | H1           |
| 8/26/2017 | Grid Fault | Unplanned         | 5.75          | H1           |
| 8/27/2017 | Grid Fault | Unplanned         | 9.17          | H1           |

## F. Turbine Availability & Downtime

| Availability  | This Month | Year To Date |
|---------------|------------|--------------|
| WTG           | 99.38%     | 99.14%       |
| Downtime (hr) | This Month | Year To Date |
| WTG           | 64.60      | 281.71       |

## G. Billed Data

|                           |                    |
|---------------------------|--------------------|
| Meter Reading (Date/Time) | 7/25/2017 12:00 AM |
| Meter To Date Produced    | 4,874,832 kWh      |
| Meter To Date Consumed    | 17,302 kWh         |
| Last Reading Produced     | 4,687,927 kWh      |
| Last Reading Consumed     | 16,333 kWh         |
| Billed kWh                | 185,936 kWh        |
| Next Meter Reading        | 8/25/2017 12:00 AM |

## H. Report Notes and Comments

\*\*Goldwind 1.5 year maintenance moved to September-2017.