

Application for An Amendment to
Certificate for Hog Creek Wind Farm, LLC
Hardin County, Ohio

Hog Creek Wind Farm

Case No 17-627-EL-BGA

For submittal to

Ohio Power Siting Board
Columbus, Ohio
March 2, 2017



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March 2, 2017

Ms. Barcy McNeal
Administration/Docketing
Ohio Power Siting Board
180 East Broad Street, 11th Floor
Columbus, Ohio 43215-3793

**Re: Hog Creek Wind Farm, LLC,
Case No. 17-627-EL-BGA**

Dear Ms. McNeal:

Enclosed for filing in the above-referenced case is a copy of the Application of Hog Creek Wind Farm, LLC for an Amendment to its combined Certificate of Environmental Compatibility granted November 29, 2016 in Case Nos. 16-1422-EL-BGA and 16-1423-EL-BGA for Hog Creek Wind Farm. In addition, we have provided Staff of the Ohio Power Siting Board ("Board") ten disks and five hard copies of the Application. Pursuant to Ohio Administrative Code Rule 4906-3-11(B), the Applicant makes the following declarations:

Name of Applicant: Hog Creek Wind Farm, LLC
An affiliate of Renewable Energy
Systems Americas Inc.
330 2nd Avenue South, Suite 820
Minneapolis, MN 55401

**Name/Location of
Proposed Facility:** Hog Creek Wind Farm
Washington Township
Hardin County, Ohio

Authorized Representative

Technical: Mason Sorenson
Renewable Energy Systems America, Inc.
330 2nd Avenue South, Suite 820
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(612) 455-8442
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Hog Creek Wind Farm, LLC
Case No. 17-627-EL-BGA
March 2, 2017
Page 2

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Notarized Statement: See Attached Affidavit of Hog Creek Wind Farm LLC

Sincerely on behalf of,
HOG CREEK WIND FARM LLC



Sally W. Bloomfield

Enclosure

**BEFORE
THE OHIO POWER SITING BOARD**

In the Matter of the Application of **HOG CREEK**)
WIND FARM LLC for an Amendment to its)
Certificate to Install and Operate a Wind-Powered) Case No. 17-627-EL-BGA
Electric Generation Facility in Hardin County, Ohio)

AFFIDAVIT OF THE SOLE MEMBER OF HOG CREEK WIND FARM, LLC

STATE OF COLORADO :
 : ss
COUNTY OF BROOMFIELD :

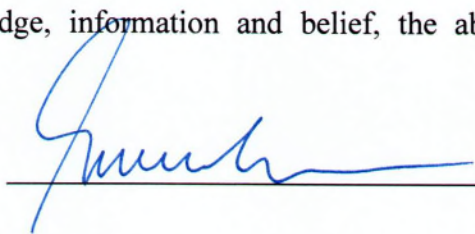
I, Brian Evans, being duly sworn and cautioned, state that I am over 18 years of age and competent to testify to the matters stated in this affidavit and further state the following based upon my personal knowledge:

1. I am the President of RES America Developments Inc., the sole member of Hog Creek Wind Farm, LLC.

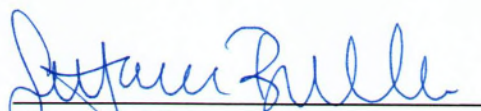
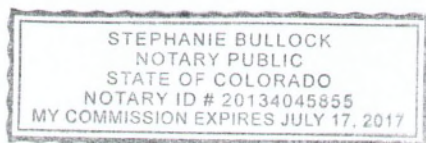
2. I have reviewed Hog Creek Wind Farm LLC's Application for an Amendment to its Certificate of Environmental Compatibility and Public Need for the Hog Creek Wind Farm project.

3. To the best of my knowledge, information and belief, the information and materials contained in the above-referenced Application are true and accurate.

4. To the best of my knowledge, information and belief, the above-referenced Application is complete.



Sworn to before and signed in my presence this 28 day of February 2017.


Notary Public

[SEAL]

TABLE OF CONTENTS

LIST OF EXHIBITS	ii
ACRONYMS AND ABBREVIATIONS	iii
4906-17-02 Project Summary and Facility Overview	1
(A) General Procedural Information	1
(B) Project Summary and Overview	1
4906-17-03 Project Description in Detail	4
(A) Project Description and Schedule	4
(B) Detailed Project Schedule	5
4906-17-04 Project Area Alternatives Analysis	7
(A) Site Selection Study	7
(B) Project Area Summary Table.....	8
(C) Project Area Selection Attachment.....	8
4906-17-05 Technical Data.....	9
(A) Project Area	9
(B) Layout and Construction.....	11
(C) Equipment	13
(D) Regional Electric Power System Interconnection.....	14
4906-17-06 Financial Data	15
(A) Ownership Status	15
(B) Capital and Intangible Costs	15
(C) Operation and Maintenance Expenses	15
(D) Cost Estimate for Delays	16
4906-17-07 Environmental Data.....	17
(A) General	17

(B) Air	17
(C) Water	17
(D) Solid Waste	19
4906-17-08 Social and Ecological Data	21
(A) Health and Safety	21
(B) Ecological Impact	23
(C) Economics, Land Use and Community Development	25
(D) Cultural Impact	29
(E) Public Responsibility	30
(F) Agricultural District Impact	31
CERTIFICATE OF SERVICE	33

LIST OF EXHIBITS

Exhibit 1 Civil Construction Plans

ACRONYMS AND ABBREVIATIONS

the Applicant	Hog Creek Wind Farm, LLC
the Application	the Application for a Certificate of Environmental Compatibility and Public Need for Hog Creek I Wind Farm filed on August 14, 2009
the Certificate	a certificate initially issued by the OPSB in Case No. 09-277-EL-BGN on March 22, 2010 and another in Case No. 10-654-EL-BGN on August 29, 2011 and a later merged certificate issued on November 29, 2016 in Cases Nos. 16-1422-EL-BGA, and 16-1423-EL-BGA permitting the construction of a 66 MW wind farm consisting of 30 wind turbines in Hardin County, Ohio
EPA	Environmental Protection Agency
kV	kilovolt
MW	megawatt
NPDES	National Pollution Discharge Elimination System
OPSB	Ohio Power Siting Board
ORC	Ohio Revised Code
the Project	Hog Creek Wind Farm
the Project Area	the area of Hog Creek Wind Farm
RES Americas	Renewable Energy Systems Americas Inc.

4906-17-02 Project Summary and Facility Overview

(A) GENERAL PROCEDURAL INFORMATION

The Applicant is aware that the new rules are in effect, but inasmuch as the Application to which this Amendment refers was filed under the rules in existence before December 11, 2015, this Amendment application, as did the more recent amendment applications of Case Nos. 16-1422-EL-BGA and 16-1423-EL-BGA, tracks the designations of the older rules. Applicant believes that it has addressed substantive changes in the new rules.

On February 17, 2017, Applicant filed a Joint Application to transfer the merged certificate to its affiliate, Hog Creek Wind Project, LLC.¹ Assuming the transfer application is granted prior to the decision in this amendment case, Applicant requests that the amended Certificate be issued in the name of “Hog Creek Wind Project, LLC.”

(B) PROJECT SUMMARY AND OVERVIEW

The Applicant proposes to amend the merged certificate granted in Case Nos. 16-1422-EL-BGA and 16-1423-EL-BGA on November 29, 2016. This amendment seeks to permit Applicant to construct a meteorological tower and to construct an access road to the tower as part of the Project. No other changes are proposed. Exhibit 1 illustrates the proposed meteorological tower and associated access road south of Turbine 9 (see highlighted areas; the tower is labeled “PPM,” and the cross section for a light duty access road (Type C).

¹ Case Nos. 09-277-EL-BGN, 10-654-EL-BGN, 16-1422-EL-BGA, and 16-1423-EL-BGA.

(1) Statement of General Purpose of the Facility

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(2) Description of the Proposed Facility

The proposed meteorological tower is proposed to be installed during the construction phase of the proposed Project and remain in place for the life of the Project. The purpose of the tower is to monitor real-time wind data during the operation of the Project to ensure it is generating electricity at expected levels. The location of the tower is shown on Exhibit 1. There will be fencing surrounding the tower. The tower will also require access via a new 12-foot wide aggregate service road.

The free-standing steel lattice meteorological tower will stand at 95 meters (approximately 285 feet) and will sit on a pad and pier foundation and be self-supporting (i.e. no guy wires). Based on the height of the tower, Hog Creek has filed the tower location with the FAA, and it is anticipated to be artificially lit with red lights for nighttime visibility.

(3) Description of the Project Area Selection Process

No change from the original Application.

(4) Principal Site-Related Environmental and Socioeconomic Considerations of Sites

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(5) Project Schedule

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

4906-17-03 Project Description in Detail

(A) PROJECT DESCRIPTION AND SCHEDULE**(1) For its proposed project area and any alternative project area:**

- (a) *Type(s) of Turbines or, if a specific model of turbine has not yet been selected, the potential type(s), estimated number of turbines, annual capacity factor, hours of annual generation, and the project developer to be utilized for construction and operation of the facility, if different than the applicant.***

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

- (b) *Land Area Requirements or, for off-shore projects, the off-shore boundaries, the construction impact area in acres and the basis of how such estimate was calculated, and the size of the permanent project area in acres.***

Up to 0.34 acre is anticipated to be required for the installation of the tower and access road, but once it is installed, the tower is anticipated to only require a footprint of approximately 400 square feet within a fenced area of approximately 1,000 square feet. A 1,000-foot long, 12-foot-wide access road (0.28 acre) to be constructed will also remain in place for the life of the Project.

- (2) **Description of the major equipment including, but not limited to, the footprint of the turbine, the height of the turbine measured from the tower's base, excluding a subsurface foundation, and the blade length.**

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

- (3) **Brief description of any new transmission line(s) required for the proposed project.**

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(B) DETAILED PROJECT SCHEDULE

- (4) **Schedule**

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

- (a) ***Acquisition of Land and Land Rights***

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

- (b) ***Wildlife Surveys/Studies***

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

- (c) ***Preparation of the Application***

This Amendment Application was prepared late February 2017.

- (d) ***Submittal of the Application for Certificate***

This Amendment Application is being submitted in March 2017.

(e) ***Issuance of the Certificate***

The amended Certificate for the Project was issued on November 29, 2016. Approval of this Amendment Application is being sought by March 2017 in order to support construction of the Project in spring 2017.

(f) ***Preparation of the Final Design***

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(g) ***Construction of the Facility***

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(h) ***Placement of the facility in service***

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(5) **Delays**

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

4906-17-04 Project Area Alternatives Analysis

(C) SITE SELECTION STUDY**(6) The applicant shall provide the following:**

- (i) *A description of the study area or geographic boundaries selected, including the rationale for the selection.***

No change. Please refer to the original Application.

- (j) *A map of suitable scale which includes the study area and which depicts the general project areas which were evaluated.***

No change, Please refer to the original application in Case No. 09-277-EL-BGN (“original Application”)

- (k) *A comprehensive list and description of all qualitative and quantitative siting criteria, factors or constraints utilized by the applicant, including any evaluation criteria or weighting values assigned to each.***

No change. Please refer to the original Application.

- (l) *A description of the process by which the applicant utilized the siting criteria to determine the proposed project area and any proposed alternative project area site(s).***

No change. Please refer to the original Application.

- (m) *A description of the project area sites selected for evaluation, their final ranking, and the factors and rational used by the applicant for selecting the proposed project area site and any proposed alternative project area site(s).***

No change from the original Application; following selection of the Project location, additional refinements have occurred, as addressed in the original Application and amendments.

- (7) The applicant shall provide one copy of any constraint map showing setbacks from residences, property lines, and public rights of way.**

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(D) PROJECT AREA SUMMARY TABLE

No change. Please refer to the original Application.

(E) PROJECT AREA SELECTION ATTACHMENT

No change. Please refer to the original Application.

4906-17-05 Technical Data

(F) PROJECT AREA**(8) Geography and Topography. Map(s) of 1:24,000 scale containing a five-mile radius from the proposed facility and showing the following features:****(n) *The proposed facility***

See Exhibit 1.

(o) *Major population centers and geographic boundaries*

No change. Please refer to the original Application.

(p) *Major transportation routes and utility corridors*

No change. Please refer to the original Application.

(q) *Bodies of water which may be directly affected by the proposed facility*

No change. Please refer to the original Application.

(r) *Topographic contours*

No change. Please refer to the original Application.

(s) *Major institutions, parks, and recreational areas*

No change. Please refer to the original Application.

(t) *Residential, commercial, and industrial buildings and installations*

No change. Please refer to the original Application.

(u) *Air transportation facilities, existing or proposed*

No change. Please refer to the original Application.

(9) An Aerial Photograph containing a one-mile radius from the proposed facility, indicating the located of the proposed facility in relation to surface features.

See Exhibit 1.

- (10) A map(s) of 1:12,000 scale of the project area site, showing the following features: (a) Topographic contours; (b) Existing vegetative cover; (c) Land use and classifications; (d) Individual structures and installations; (e) Surface bodies of water; (f) Water and gas wells; (g) Vegetative cover that may be removed during construction.**

See Exhibit 1.

(11) Geology and Seismology

- (v) *Describe the suitability of the Site Geology and plans to remedy any inadequacies***

No change. Please refer to the original Application.

- (w) *Describe the suitability of the soil for grading, compaction, and draining, and describe plans to remedy any inadequacies***

No change. Please refer to the original Application.

(12) Hydrology and Wind

- (x) *Provide the natural and the man-affect water budgets, including the ten-year mean and critical (lowest seven-day flow in ten years) surface flows and the mean and extreme water table during the past ten years for each body of water likely to be directly affected by the proposed facility.***

No change. Please refer to the original Application.

- (y) *Provide an analysis of the prospects of floods and high winds for the project area, including the probability of occurrences and likely consequences of various flood stages and wind velocities, and describe***

plans to mitigate any likely adverse consequences. Identify any portion of the proposed facility to be located in a one hundred-year flood plain area.

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(z) *Provide exiting maps of aquifers which may be directly affected by the proposed facility.*

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(G) LAYOUT AND CONSTRUCTION

(13) Project Area Site Activities.

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(14) Layout

See Exhibit 1.

(aa) Wind-powered electric generation turbines

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(bb) Transformers and collection lines

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(cc) Construction laydown area(s)

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(dd) *Transmission lines*

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(ee) *Substations*

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(ff) *Transportation facilities and access roads*

No change, with the exception of a new 12-foot aggregate road to access the proposed meteorological tower.

(gg) *Security facilities*

No change. Please refer to the original Application.

(hh) *Grade elevations where modified during construction*

No change. Please refer to the original Application.

(ii) *Other pertinent installations*

No change. Please refer to the original Application.

(15) *Structures*

(jj) *Estimated Overall Dimensions*

No change, with the exception of the proposed meteorological tower described above. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(kk) *Construction Materials*

No change. Please refer to the original Application.

(ll) *Color and Texture Effacing Surfaces*

No change. Please refer to the original Application.

(mm) *Photographic Interpretation or Artist's Pictorial Sketches of the proposed facility from public vantage points within five miles of the proposed facility*

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(nn) *Any Unusual Features*

No change. Please refer to the original Application.

(16) Plans for Construction

No change. Please refer to the original Application.

(17) Future Plans

No change. Please refer to the original Application.

(H) EQUIPMENT

(18) Wind-Powered Electric Generation Equipment

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(19) Safety Equipment

(oo) *All Proposed Major Public Safety Equipment*

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(pp) *The Reliability of the Equipment*

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(qq) *Turbine Manufacturer's Safety Standards and Safety Manual*

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(20) Any Other Major Equipment not discussed in paragraphs (C)(2)(a) to (C)(2)(c) of this rule.

No change. Please refer to the original Application.

(I) REGIONAL ELECTRIC POWER SYSTEM INTERCONNECTION

No change. Please refer to the Second Amendment in Case No.11-5542-E:-BGA.

4906-17-06 Financial Data

(J) OWNERSHIP STATUS

No change except for the Joint Application for Transfer filed on February 17, 2017 requesting a transfer of the amended certificate to Hog Creek Wind Project, LLC. If the Board grants the transfer prior to the decision in this amendment proceeding, Applicant requests that the amended Certificate be issued in the name of Hog Creek Wind Project, LLC. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(K) CAPITAL AND INTANGIBLE COSTS**(21) Capital and intangible cost estimates**

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(22) Compare the total costs per kilowatt with the applicant's similar facilities, and explain any substantial differences

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(23) Present worth and annualized capital costs

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(L) OPERATION AND MAINTENANCE EXPENSES**(24) Annual operation and maintenance expenses**

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(25) Compare the total operation and maintenance cost per kilowatt with applicant's similar facilities and explain any substantial differences

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(26) Present worth and annualized expenditures for operation and maintenance costs

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(M) COST ESTIMATE FOR DELAYS

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

4906-17-07 Environmental Data

(N) GENERAL

No change. Please refer to the original Application.

(O) AIR

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(27) Preconstruction

- (rr)** *Submit available information concerning the ambient air quality of the proposed project area site and any proposed alternative site(s)*

No material change since the original Application.

- (ss)** *Applicable federal and/or Ohio new source performance standards*

No material change since the original Application.

- (tt)** *List of all required permits*

No change since the original Application.

- (uu)** *Compliance plans*

No change since the original Application.

(28) Construction

No change since the original Application.

(P) WATER

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(29) Preconstruction

No change from the original Application, other than compliance with the most recent National Pollutant Discharge Elimination System (NPDES) Construction Water General Permit, Ohio EPA Permit No. OHC000004. Wetland or stream crossings will still be less than 120 feet wide and permitted under a Nationwide 12 permit.

(30) Construction

(vv) *Describe the schedule for receipt of the national pollution discharge elimination system permit*

No change from the original Application, other than compliance with the most recent NPDES Construction Water General Permit, as noted above.

(ww) *Estimate the quality and quantity of aquatic discharges from the project area site clearing and construction operations, including run-off and siltation from dredging, filling, and construction of shore side facilities*

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(xx) *Describe any plans to mitigate the above effects in accordance with current federal and Ohio regulations*

No change. Please refer to the original Application.

(yy) *Describe any changes in flow patterns and erosion due to project area site clearing and grading operations*

No change. Please refer to the original Application.

(31) Operation

- (a) *Provide a quantitative flow diagram or description for water and waterborne wastes resulting from run-off from soil and other surfaces at the proposed project area(s)*

No material change. Please refer to the original Application.

- (b) *Describe how the proposed facility incorporates maximum feasible water conservation practices considering available technology and the nature and economics of the various alternatives.*

No change. Please refer to the original Application.

(Q) SOLID WASTE**(32) Preconstruction**

- (zz) *Nature and amount of debris and solid waste on the project area site.*

No change. Please refer to the original Application.

- (aaa) *Describe any plans to deal with such wastes.*

No change. Please refer to the original Application.

(33) Construction

- (bbb) *Nature and amount of debris and other solid waste generated.*

No change. Please refer to the original Application.

- (ccc) *Proposed method of storage and disposal of these wastes.*

No change. Please refer to the original Application.

(34) Operation

- (ddd) *Amount, nature and composition of solid wastes generated*

No change. Please refer to the original Application.

- (eee) *Describe proposed methods of storage, treatment, transportation, and disposal of these wastes*

No change. Please refer to the original Application.

(35) Licenses and permits

No change. Please refer to the original Application.

4906-17-08 Social and Ecological Data

(R) HEALTH AND SAFETY

- (36) Demographic.** The applicant shall provide existing and ten-year project population estimates for communities within five miles of the proposed project area site(s).

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(37) Noise

- (fff) *Describe the Construction Noise Levels expected at the nearest property boundary***

(i) *Dynamiting activities.*

No change. Please refer to the original Application.

(ii) *Operation of earth moving equipment.*

No change. Please refer to the original Application.

(iii) *Driving of piles.*

No change. Please refer to the original Application.

(iv) *Erection of structures.*

No change. Please refer to the original Application.

(v) *Truck, traffic.*

No change. Please refer to the original Application.

(vi) *Installation of equipment.*

No change. Please refer to the original Application.

(ggg) *For each turbine, evaluate and describe the Operational Noise Levels expected at the property boundary closest to that turbine, under both day and nighttime conditions*

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(hhh) *Indicate the location of any noise-sensitive areas within one mile of the proposed facility*

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(iii) *Describe equipment and procedures to mitigate the effects of noise emissions from the proposed facility during construction and operation*

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(38) Water

No change. Please refer to the original Application.

(39) Ice Throw

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(40) Blade Shear

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(41) Shadow Flicker

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(S) ECOLOGICAL IMPACT

No change in introductory language information since the original Application.

(42) Project Area Site Information

(jjj) *Map of 1:24,000 scale containing a half-mile radius from the proposed facilities, showing the following: (i) the proposed project area boundary; (ii) undeveloped or abandoned land such as wood lots, wetlands, or vacant fields; and (iii) recreational areas, parks, wildlife areas, nature preserves, and other conservation areas*

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(kkk) *Results of a survey of the vegetation within the facility boundary and within a quarter-mile distance from the facility boundary*

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(lll) *Results of a survey of the animal life within the facility boundary and within a quarter-mile distance from the facility boundary*

No change. Please refer to the original Application.

(mmm) *Summary of any studies which have been made by or for the applicant addressing the ecological impact of the proposed facility*

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(nnn) *Provide a list of major species from the surveys of biota*

No change. Please refer to the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(43) Construction

(ooo) *Estimate the impact of construction on the areas shown in response to paragraph (B)(1)(a) of this rule*

No material change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA). The Applicant estimates that construction of the meteorological tower and associated access road will temporarily disturb an additional approximately 0.34 acre of land, which is currently all crop land.

(ppp) *Estimate the impact of construction on the major species listed under paragraph (B)(1)(e) of this rule*

No change since the original Application.

(qqq) *Describe the procedures to be utilized to avoid, minimize, and mitigate both the short- and long-term impacts due to construction*

No change. Please refer to the original Application.

(44) Operation

(rrr) *Estimate the impact of operation on the areas shown in response to paragraph (B)(1)(a) of this rule*

No change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA), with the exception of the additional impact from the

proposed meteorological tower and associated access road, which was described above. No impacts are anticipated to wood lots, wetlands, recreational areas, parks, wildlife areas, nature preserves, or other conservation areas.

(sss) *Estimate the impact of operation on the major species listed under paragraph (B)(1)(e) of this rule*

No material change since the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(ttt) *Describe the procedures to be utilized to avoid, minimize, and mitigate both the short- and long-term impacts of operation*

No material change since the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(uuu) *Describe any plans for Post-construction Monitoring of Wildlife Impacts*

No change from the original Application.

(T) ECONOMICS, LAND USE AND COMMUNITY DEVELOPMENT

No change in introductory language information since the original Application.

(45) Land Uses

(vvv) *Map of 1:24,000 scale indicated general land uses, depicted as areas on the map, within a five-mile radius of the facility, including such users as residential and urban, manufacturing and commercial, mining, recreational transport, utilities, water and wetlands, forest and woodland, and pasture and cropland*

No material change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

- (www) *Number of Residential Structures within one thousand feet of the boundary of the proposed facility, and residential structures for which the nearest edge of the structure is within one hundred feet of the boundary of the proposed facility*

No material change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

- (xxx) *Describe potential locations for Wind Turbine Structures in relation to the property lines and the habitable residential structures, consistent with no less than the following minimum requirements:*

- (i) *The distance from a wind turbine base to the property line of the wind farm property shall be at least one and one-tenth times the total height of the turbine structure as measured from its tower's base (excluding the subsurface foundation) to the type of its highest blade.*

No material change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

- (ii) *The wind turbine shall be at least seven hundred fifty feet in horizontal distance from the tip of the turbine's nearest blade at ninety degrees to the exterior of the nearest habitable residential structure, if any, located on adjacent property at the time of the certification application.*

No material change from the Third Amendment to the Application
(Case No. 16-1422-EL-BGA).

- (iii) *Minimum setbacks may be waived in the event all owners of property adjacent to the turbine agrees to such waiver pursuant to rule 496-1-03 of Administrative Code.*

No material change from the Third Amendment to the Application
(Case No. 16-1422-EL-BGA).

- (yyy) *Estimate the impact of the proposed facility on the above land uses within a one-mile radius.*

No material change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

- (zzz) *Identify structures that will be removed or relocated.*

No change. Please refer to the original Application.

- (aaaa) *Describe formally adopted plans for future use of the site and surrounding lands for anything other than the proposed facility.*

No change. Please refer to the original Application.

- (bbbb) *Describe the applicant's plans for concurrent or secondary uses of the project area.*

No change. Please refer to the original Application.

(46) Economics

(cccc) *Estimated Payroll*

No material change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(dddd) *Construction and Operations Employment*

No material change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(eeee) *Estimate the increase in county, township, city, and school district tax revenue accruing from the facility*

No material change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(ffff) *Estimate the Economic Impact of the proposed facility on local commercial and industrial activities*

No material change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(47) Public Services and Facilities

No change. Please refer to the original Application.

(48) Impact on Regional Development

(gggg) *Housing, commercial and industrial development, and transportation system development*

No material change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(hhhh) *Compatibility with regional development plans*

No change from the original Application.

(U) CULTURAL IMPACT

No change to introductory information.

(49) Registered landmarks of historic, religious, archeological, scenic, natural, or other cultural significance within five miles of the proposed facility

No material change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(50) Estimate the impact of the proposed facility on the preservation and continued meaningfulness of these landmarks and describe plans to mitigate any adverse impact

No material change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(51) Landmarks to be considered for the purposed of paragraphs (D)(1) and (D)(2) of this rule are those districts, sites, buildings, structures, and objects which are recognized by, registered with, or identified as eligible for registration by the national registry of natural landmarks, the Ohio historical society, or the Ohio Department of Natural Resources

No change. Please refer to the original Application.

(52) Existing and formally adopted land and water recreation areas within five miles of the proposed facility

No change. Please refer to the original Application.

- (53) Description of recreation areas within one mile of the proposed project area in terms of their proximity to population centers, uniqueness, topography, vegetation, hydrology, and wildlife: estimate the impact of the proposed facility on the identified recreation areas and describe plans to avoid, minimize, or mitigate any adverse impact**

No change. Please refer to the original Application.

- (54) Describe measures that will be taken to minimize any adverse visual impacts created by the facility, including, but not limited to, project area location, lighting, and facility coloration**

No change. Please refer to the original Application.

(V) PUBLIC RESPONSIBILITY

- (55) Program for Public Interaction**

No material change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

- (56) Insurance or Other Corporate Programs**

No change. Please refer to the original Application.

- (57) Evaluate and describe the potential for the facility to interfere with radio and TV reception and, if warranted, describe measures that will be taken to minimize interference**

No material change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

- (58) Evaluate and describe the potential for the facility to interfere with military radar systems and, if warrants, describe measures that will be taken to minimize interference**

No material change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

- (59) Evaluate and describe the anticipated impact to roads and bridges associated with construction vehicle and equipment delivery. Describe measures that will be taken to repair roads and bridges to at least the condition present prior to the project**

No material change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

- (60) Describe the plan for Decommissioning the proposed facility, including a discussion of any financial arrangements designed to assure the requisite financial resources**

No change. Please refer to the original Application.

(W) AGRICULTURAL DISTRICT IMPACT

- (61) Separately identify of a map(s) of 1:24,000 scale all agricultural land and all agricultural district land located within the proposed project area boundaries, where such land is existing, at least sixty days prior to submission of the application**

No material change from the Third Amendment to the Application (Case No. 16-1422-EL-BGA).

(62) Provide, for all land identified under paragraph (F)(1) of this rule, the following:

(iii) *A quantification of the acreage impacts, and an evaluation of the impact of the construction, operation, and maintenance of the proposed facility on the following agricultural practices within the propose facility boundaries:*

(i) *Field operations (i.e., plowing, planting, cultivating, spraying, harvesting, etc.).*

Up to 0.34 acre will temporarily be disturbed, including a 1,000-foot long, 12-foot wide access road and a lattice tower that will occupy approximately 400 square feet within an approximately 1,000-square-foot fenced area.

(ii) *Irrigation.*

No change from the original Application.

(iii) *Field Drainage systems.*

No change from the original Application.

(63) Provide, for all agricultural land identified under paragraph (F)(1) of this rule, an evaluation of the impact of the construction and maintenance of the proposed facility on the viability as agricultural land of any land so identified.

No change from the original Application.

CERTIFICATE OF SERVICE

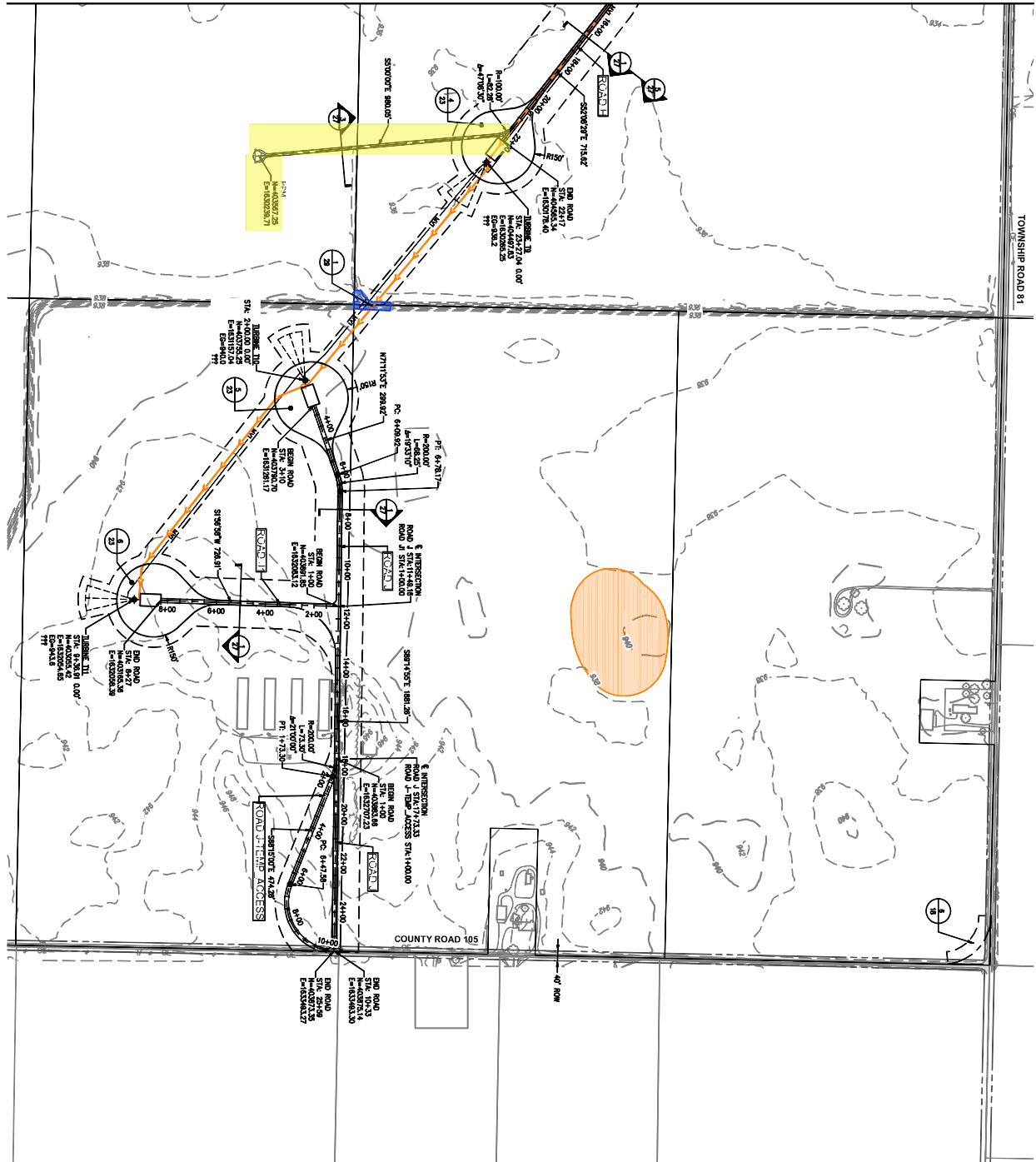
I hereby certify that the foregoing Application for Third Amendment was served upon the persons previously entitled to receive a copy of the application for Case Nos. 16-1422-EL-BGA and 16-1423-EL-BGA via electronic mail this 2nd day of March 2017.



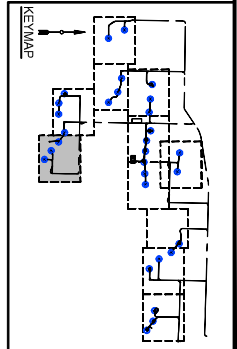
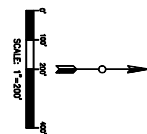
Sally W. Bloomfield

EXHIBIT 1
CIVIL CONSTRUCTION PLANS

SEE SHEET 7
MATCHLINE

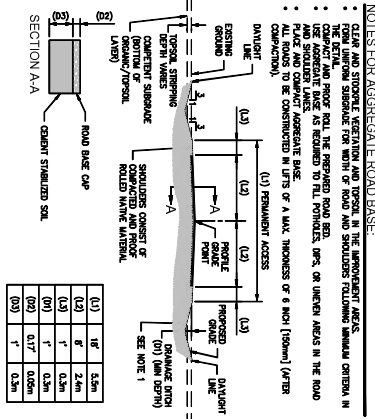


- LEGEND:**
- PROPOSED ROAD CENTERLINE
 - PROPOSED DRIVE WALK
 - PROPOSED UTILITY VOLUME CABLE
 - PROPOSED CORROSION LIMITS
 - NON-PARTICIPATING LANDOWNER
 - LANDOWNER WITH SETBACK WARNERS
 - ARCHEOLOGICAL AREAS
 - EXISTING PARCEL LINES
 - EXISTING ALIEN CONTIGUOUS
 - EXISTING ADJACENT CONTIGUOUS
 - EXISTING OVERHEAD ELECTRIC LINES
 - EXISTING VEGETATION
 - EXISTING FENCE
 - EXISTING DITCH
 - EXISTING SETBACKS



NOTES FOR CEMENT STABILIZED ROAD BASE

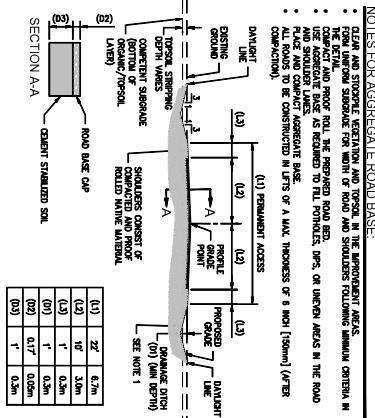
- STAKE CENTERLINE AND CLEARING LIMITS.
- REMOVE AND STOCKPILE EXISTING VEGETATION AND TOPSOIL, MAINTAIN SITE DRAINAGE AND INSTALL EROSION CONTROL MEASURES.
- DITCH BACKSLOPE 3:1 MINIMUM, UNLESS OTHERWISE APPROVED BY THE SOILS OR GEOTECHNICAL ENGINEER.
- FROM LATERAL SUBGRADE FOR WIDTH OF ROAD, SHOULDER AND SHOULDER, (MAY REQUIRE MULLING, HAMMERS OR ROLLERS, REFER TO GEOTECHNICAL REPORT FOR CONSTRUCTION).
- SHOULDER SHALL BE CONFORMED 15:25 CROSS SLOPE (MAX 20).
- SOIL STABILIZED CROSS SECTION (FROM FINISHED BY OTHERS) MAX 20.
- SOIL AND COMPACT AGGREGATE BASE ON STABILIZED SOIL.
- NOTES FOR AGGREGATE ROAD BASE.
- THE EXISTING ROAD PROFILES SHALL BE MAINTAINED.
- USE AGGREGATE BASE AS REQUIRED TO FILL POTHOLES, DEPS, OR OTHER AREAS IN THE ROAD.
- ALL ROADS TO BE CONSTRUCTED IN LIFTS OF A MAX. THICKNESS OF 6 INCH (150mm) (AFTER COMPACTION).



1 DETAIL: ACCESS ROAD (TYPE A)

NOTES FOR CEMENT STABILIZED ROAD BASE

- STAKE CENTERLINE AND CLEARING LIMITS.
- REMOVE AND STOCKPILE EXISTING VEGETATION AND TOPSOIL, MAINTAIN SITE DRAINAGE AND INSTALL EROSION CONTROL MEASURES.
- DITCH BACKSLOPE 3:1 MINIMUM, UNLESS OTHERWISE APPROVED BY THE SOILS OR GEOTECHNICAL ENGINEER.
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in

Case No(s). 17-0627-EL-BGA

Summary: Application for An Amendment to Certificate for Hog Creek Wind Farm, LLC
electronically filed by Teresa Orahoad on behalf of Sally W. Bloomfield