

# **Heritage Wind Project**

**Case No. 16-F-0546**

## **Application Supplement Overview**

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<sup>1</sup> Figures with "Update" in the title are intended to replace figures submitted with the Article 10 Application; figures with "Addendum" in the title are intended to supplement figures submitted with the Article 10 Application (i.e., replace specific sheets within a figure); figures with neither "Update" or "Addendum" in the title are new figures not previously included in the Article 10 Application.

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<sup>2</sup> Appendices with "Update" in the title are intended to replace appendices submitted with the Article 10 Application; appendices with "Addendum" in the title are intended to supplement appendices submitted with the Article 10 Application; appendices with neither "Update" or "Addendum" in the title are new appendices not previously included in the Article 10 Application.

## (1) Introduction

On March 13, 2020, Heritage Wind, LLC (“Heritage Wind” or “Applicant”) submitted an Application (“Application”) under Article 10 of the Public Service Law (“Article 10”) to construct and operate an approximately 184.8-megawatt wind powered electric generating facility in the Town of Barre, Orleans County, New York (“the “Facility”). In considering other measures to minimize potential environmental impacts and refine the design of the Facility, the Applicant has made changes to the proposed Facility layout as reflected in this Application Supplement.

On May 12, 2020 the Siting Board Chair sent the Applicant a letter identifying deficiencies in the Application (“Deficiency Letter”). The Application Supplement provides updates to the Application in response to the Siting Board’s May 12, 2020 letter, and also reflects requirements from other issued Siting Board Certificate Orders granted in the months since the Heritage Wind Application was filed. The Application Supplement also presents changes made by the Applicant to reduce impacts and improve Facility design. This document, the Application Supplement Overview (“Supplement Overview”), is intended to clearly identify changes made to the Facility and provide further analysis, where applicable.

Figure 1 of the Application Supplement provides a comparison of the layout presented in the March 2020 Application and the updated layout introduced in the Application Supplement. Moreover, Section (3), below, provides specific information regarding changes made to the proposed layout, including the distance(s) involved in component shifts, and the basis for making those shifts (e.g., avoidance of steep slopes or wetlands, compliance with local laws, etc.). Overall, these changes are intended to reduce environmental impacts and improve the overall Facility design.

The Application Supplement:

- Identifies the exhibits affected by updates and explains changes contained therein
- Identifies those exhibits which remain unchanged
- Offers updated figures and appendices intended to replace previously filed versions;<sup>3</sup>
- Provides addenda to other appendices intended to supplement, but not replace, the March 2020 versions;<sup>4</sup> and
- Provides material not included in the Application<sup>5</sup>, such as the Applicant’s Phase 1B Report.

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<sup>3</sup> Figures or appendices with “Update” in the title are intended to replace figures submitted with the Article 10 Application.

<sup>4</sup> Figures or appendices with “Addendum” in the title are intended to supplement figures or appendices submitted with the Article 10 Application.

<sup>5</sup> Figures or appendices with neither “Update” nor “Addendum” in the title are new materials not previously included in the Article 10 Application.

In turn, the Supplement Overview first describes of the Facility as presented in the Article 10 Application submitted on March 13, 2020 (See Section (2)). Changes proposed in the Application Supplement are then summarized in Section (3). Subsequently, Section (4) provides a detailed discussion of all Application exhibits affected (whether in whole or in part) by the proposed changes or in response to the Deficiency Letter. In support of the updated materials presented in Section (4), the Applicant has developed new figures and appendices and has updated or appended various figures, drawings, and studies originally included with the Application. Exhibits not affected by the Application Supplement are identified in Section (5).

Overall, the Applicant believes the updated Facility layout demonstrates the continued progression of Project design and development, in a manner that optimizes avoidance of environmental impacts and constructability.

## (2) Facility Description from Article 10 Application

The Facility description below reflects the design and layout presented in the Application submitted March 13, 2020:

- Turbines: The Facility was proposed to consist of 33 turbines, to be located in the Town of Barre. The tallest heights for the turbine models assessed in the Application ranged from 655 to 676 feet.
- Access roads: Thirteen miles of Facility access roads were proposed. Temporary access roads were proposed to be gravel surfaced and 60 feet wide to accommodate construction/delivery vehicles. These temporary roads were proposed to be restored for use as permanent access roads, which would have been gravel-surfaced and typically 16 feet wide.
- Collection lines: The Facility was proposed to include approximately 37 miles of collection lines to deliver power from the wind turbines to the collection substation.
- Collection and POI substations: The collection substation will “step up” power to 115 kilovolts (kV), and the point of interconnection (POI) substation will interconnect with national Grid’s existing Lockport-Mortimer 115 kV transmission line.
- Meteorological towers: Two permanent met towers were proposed to be installed to collect meteorological data and support performance testing of the Facility.
- O&M facility: The proposed O&M facility was proposed to be located on a 5-acre site and will consist of two buildings totaling approximately 4,000 square feet.
- Temporary laydown yard/staging area/temporary batch plant: A temporary construction laydown yard of approximately 13 acres was proposed to be established to accommodate construction trailers, storage containers, large Project components, a temporary concrete batch plant (if needed), and parking for construction workers.

### (3) Proposed Changes to the Facility and Additional Information

The Applicant has made a number of minor changes to the layout of the Facility to account for landowner considerations and improve Facility design. A detailed breakdown of the changes the Applicant is proposing as part of this Application Supplement is provided below. To help facilitate an effective comparison of impacts between the layouts presented in the Application and Application Supplement, please the updated tables and figures presented in Section (4) and attached to this Application Supplement.

#### Access Roads

- One access road has been removed from the layout. The Article 10 Application included two access road locations leading to turbine T8. The easternmost access road to turbine T8 was included in the Article 10 Application layout as an alternate, if needed. Since the submittal of the Article 10 Application, it has been confirmed that the alternate is not necessary, and it has been removed, which results in a 0.5-mile decrease in the overall length of Facility access roads.

#### Collection Lines

- One collection line has been removed from the layout. The Article 10 Application included two collection line routes from turbines T7 to T8. The easternmost collection line (originally collocated with the access road described above) was included in the Article 10 Application as an alternate, and has been removed, which results in an approximately 0.8-mile decrease in the overall length of Facility collection lines.

#### Laydown Yard

- The Applicant has moved the location of the temporary laydown yard. The laydown yard was moved from the west side of State Route (SR) 98, southwest of the intersection of SR 98 and County Road (CR) 25B to a location north of Gillette Road, approximately 650 feet west of SR 98. This laydown yard is similar in size to the laydown yard proposed in the March 13, 2020 Application, and like the original location, would result in only temporary impacts to an existing agricultural field (i.e., it would not require tree clearing) and would be used to store turbine components prior to their delivery to the individual turbine sites.

#### Miscellaneous

- As a result of the layout changes described above, the size of the Facility Site has increased from 5,813 acres to 5,870 acres.
- Since the submittal of the Article 10 Application, the Applicant has signed new agreements with multiple landowners in the vicinity of the Facility, changing the participation status of some landowners from non-participating to participating.

- As a result of an update to participation status of some parcels and the proposed location of the laydown yard presented in this Application Supplement, modifications were made to locations of intersection improvements.

(4) Exhibits Affected by Application Supplement

**Exhibit 2. Overview and Public Involvement Summary**

The changes proposed in this Application Supplement do not affect the text of Exhibit 2. However, Figure 2-2: Facility Layout has been updated (see Figure 2-2 Update attached to this Application Supplement).

**Exhibit 3. Location of Facilities**

The changes proposed in this Application Supplement do not affect the text of Exhibit 3. However, Figure 3-1: Proposed Major Electric Generating Facility Location has been updated (see Figure 3-1 Update attached to this Application Supplement).

**Exhibit 4. Land Use**

The changes proposed in this Application Supplement affect select subsections of the text and associated tables in Exhibit 4. A description of how these subsections are affected is detailed below. In addition, the Tax Parcel Map (Figure 4-4 Update), has been updated and included with the Applicant's response to deficiencies.

(a) Map of Existing Land Uses

New York State Agricultural Districts

Impacts to parcels enrolled in the New York State Certified Agricultural Districts have been slightly changed by the changes proposed in this Application Supplement (see Table 4-2 Update). The table has been updated to account for the change in Facility Site acreage, the relocation of the laydown yard and removal of the alternate access road and collection line, and for updates to the Agricultural District Data. To account for the changes due to the updated Agricultural District data, Table 4-2 Update presents the impacts to Agricultural Districts from the Article 10 Facility layout as compared with the Application Supplement Facility layout. There are now an additional 57 acres of agricultural district land within the Application Supplement Facility Site. However, the actual impacts to Agricultural District land are similar between the two layouts. The Agricultural District impacts as a result of the relocation of the laydown yard, the removal of alternate components, and change to intersection improvements do not change the discussion or conclusions provided in the Article 10 Application as any additional impacts would be mitigated by the measures outlined in the Application.

**Table 4-2 Update. Facility Impacts to Soils within Agricultural District Lands**

Layout	Acres within Facility Site	Total Soil Impact (acres)	Temporary Soil Impact (acres)	Permanent Soil Impact (acres)
Article 10 Application	4,884	141.2	98.0	43.2
Application Supplement	4,941	144.3	97.3	47.0

(i) Compatibility of the Facility with Existing and Proposed Land Uses

General Compatibility with Existing Land Uses

Table 4-6 Update summarizes land use impacts to each of three distinct land use types identified within the Facility Site. When compared to the Article 10 Application layout, the change in the laydown yard location, the removal of an alternate collection line and access road route, and changes in intersection improvements would result in a slight decrease in temporary impacts (approximately 10 acres) and a small increase (approximately 3 acres) to permanent impacts to land uses within the Facility Site. As such, the conclusions remain as presented in the Article 10 Application. No substantial changes to existing land uses are anticipated as a result of Facility construction and operation. The presence of Facility components will result in the permanent conversion of less than 1% of the Facility Site from its current use to built facilities.

**Table 4-6 Update. Land Use Impacts**

Land Use	Acres within Facility Site	Temporary Impact (acres)	Permanent Impact (acres)	Total Impact (acres)
Residential	1,185.8	68.3	6.8	75.1
Vacant	193.2	4.8	0.3	5.0
Agricultural	4,490.3	217.2	43.3	260.4
<b>Total</b>	<b>5,869.3</b>	<b>290.3</b>	<b>50.4</b>	<b>340.6</b>

**Exhibit 5. Electric System Effects**

The changes proposed in this Application Supplement do not affect Exhibit 5 and the conclusions reached in Exhibit 5 remain unchanged. Appendix 5-B has been updated in response to the Deficiency Letter and is attached to this Application Supplement as Appendix 5-B Addendum.

**Exhibit 6. Wind Power Facilities**

The changes proposed in this Application Supplement do not affect Exhibit 6 and the conclusions reached in Exhibit 6 remain unchanged. Figure 6-1 has been updated in response to the Deficiency Letter and is attached to this Application Supplement as Figure 6-1 Update.

**Exhibit 11. Preliminary Design Drawings**

The changes proposed in this Application Supplement do not change the text of Exhibit 11. However, Appendix 11-A: Preliminary Design Drawings has been updated to reflect the changes presented in this supplement (see Appendix 11-A Update attached to this Application Supplement).

**Exhibit 13. Real Property**

The changes proposed in this Application Supplement do not affect Exhibit 13 and the conclusions reached in Exhibit 13 remain unchanged. Figure 13-1 has been updated in response to the Deficiency Letter and is attached to this Application Supplement as Figure 13-1 Update.

**Exhibit 15. Public Health and Safety**

The changes to participation status of some of the parcels in the vicinity of the Facility affect select subsections of the text in Exhibit 15. In addition, a Shadow Flicker memorandum has been provided to reflect these changes (see Appendix 15-A Addendum attached to this Application Supplement).

(e) Wind Power Facility Impacts

(4) Shadow Flicker

The results of the shadow flicker analysis were updated to reflect the change in participation status of select receptors that are located on properties that have signed agreements since the submittal of the Article 10 Application. As there were no changes to the turbine model or locations, the analysis remains largely as presented in the Article 10 Application. The updated results are described below and in Appendix 15-A Addendum.

Shadow flicker modeling results showed that 87 receptors would be expected to receive over 30 hours of shadow flicker per year under a worst-case modeling approach. Forty-three of those 87 receptors are on participating parcels, while the remaining 44 are on non-participating parcels. Of the 87 receptors with 30 hours or more of expected annual average shadow flicker:

- 38 are year-round residences on non-participating properties,
- 20 are year-round residences on participating properties,

- 4 are unknown structures on non-participating properties,
- 3 are unknown structures on participating properties,
- 1 is a seasonal residence on a participating property,
- 2 are dilapidated residences on participating properties,
- 1 is a public structure (cemetery),
- 18 are commercial properties (one of which is on a non-participating property).

**Exhibit 19. Noise and Vibration**

(c) Future Noise Levels at Receptors during Facility Construction

As noted earlier in this Application Supplement, the Applicant has moved the location of the temporary laydown yard. The laydown yard was moved from the west side of State Route (SR) 98, southwest of the intersection of SR 98 and County Road (CR) 25B to a location north of Gillette Road approximately 650 feet west of SR 98. This relocation affects potential sound level impacts during construction for a small portion of the site. Accordingly, predictive sound level modeling of construction noise for the affected area (“Area 3”) has been remodeled. This is described in Chapter 11 of the construction analysis in the Pre-Construction Sound Level Impact Assessment (PNIA) which was Appendix 19-A of Exhibit 19. Chapter 11 of the PNIA has been updated to reflect these changes and is included with this Supplement (see Appendix 19-A Addendum). No turbines were relocated in connection with this supplement, therefore the PNIA as it relates to sound produced by wind turbines remains unchanged from the Application.

- (5) Worst-case sound levels from construction are expected to be 58 dBA or less at non-participating residences. This is a slight increase from the worst-case sound level from construction presented in the Article 10 Application (57 dBA). However, this increase represents an insignificant change in expected community sound levels from that presented in the Article 10 Application. Sound level contours for the three areas of construction analyzed are found in Appendix 19-A Addendum. Tabular findings at the most impacted receptors are found in Tables 11-2 to 11-4 of the PNIA Addendum.

**Exhibit 20. Cultural Resources**

The Applicant submitted the completed Phase IB Archaeological Survey Report for the Article 10 Application layout to the New York State Office of Parks, Recreation and Historic Preservation (NYSOPRHP)/State Historic Preservation Office (SHPO) on August 25, 2020. The report is attached to this Application Supplement as Appendix 20-F.

Archaeologists from Environmental Design & Research, Landscape Architecture, Engineering, and Environmental Services D.P.C. (EDR) reviewed the layout presented in this Application Supplement to determine if the expansion of the Facility Site and the change in laydown yard would change the conclusions reached in the Phase IB Archaeological Survey Report. Through a desktop review, EDR archaeologists identified one map documented structure (MDS) west of the laydown yard. The location of the MDS was verified by EDR archaeologist during a field visit. The Applicant has committed to avoiding any land within 200 feet of the MDS to ensure there will be no impacts as a result of the construction and operation of the Facility on that identified resource. A memorandum detailing the changes to the layout, the avoidance measures taken by the Applicant, and potential impacts to archaeological resources is currently being prepared and will be submitted to NYSOPRHP/SHPO at a later date in support of future consultations required under Section 106 of the National Historic Preservation Act. A general summary of these topics can be found in Exhibit 20 of the Application.

**Exhibit 22. Terrestrial Ecology and Wetlands**

The changes proposed in this Application Supplement affect select subsections of the text and associated tables and figures in Exhibit 22, as detailed below.

(a) Plant Communities

(1) Land Cover

Due to the expansion of the Facility Site, as presented in this Application Supplement, the plant communities and vegetation occurring within the Facility Site have changed since the Article 10 Application. Table 22-1 Update provides the land cover classes within the Facility Site. The table has been updated to account for the change in Facility Site and for updates to the National Land Cover Data (NLCD) information. To account for the changes due to the updated NLCD data, Table 22-1 Update presents both the land cover classes within the Article 10 Facility Site and the Application Supplement Facility Site. However, as presented in the Article 10 Application, the Facility Site still predominantly consists of actively managed agricultural land and woody wetlands.

**Table 22-1 Update. Land Cover Classes within the Facility Site**

Land Cover Class	Article 10 Layout		Supplement Layout	
	Acres	Percent Cover <sup>2</sup>	Acres	Percent Cover <sup>2</sup>
Cultivated Crops	3,936	68%	3,971	68%
Woody Wetlands	1,316	23%	1,335	23%
Pasture/Hay	159	3%	159	3%
Deciduous Forest	209	4%	209	4%

Land Cover Class	Article 10 Layout		Supplement Layout	
	Acres	Percent Cover <sup>2</sup>	Acres	Percent Cover <sup>2</sup>
Developed, Open Space	90	2%	92	2%
Emergent Herbaceous Wetlands	35	1%	35	1%
Mixed Forest	52	1%	52	1%
Shrub/Scrub	0.2	<1%	0.2	<1%
Developed, Low Intensity	20	<1%	21	<1%
Developed, Medium Intensity	2	<1%	2	<1%
Open Water	1	<1%	1	<1%
<b>Total</b>	<b>5,819</b>	<b>100%</b>	<b>5,876</b>	<b>100%</b>

Source: NLCD 2016 (Yang et al., 2018)

<sup>1</sup> The reported total acreage is based on the NLCD 2016 raster dataset. This value is larger than that of the vector-based boundary of the Facility Site (5,870 acres) because of the cell size of the raster data, which overlaps and partially extends beyond the Facility Site.

<sup>2</sup> Percent cover rounded to nearest percent.

## (2) Ecological Communities

Due to the change in the Facility Site, as presented in this Application Supplement, the ecological communities occurring within the Facility Site have changed since submittal of the Article 10 Application. The ecological communities are depicted in Figure 22-1 Addendum. An updated summary of ecological communities within the Facility Site is presented below in Table 22-2 Update. There are small increases in acres of cropland, silver maple-ash swamp, successional hardwoods, shrub swamp within the Facility Site; however, the percent cover for each ecological community within the Facility Site remains as presented in the Article 10 Application.

**Table 22-2 Update. Ecological Community Types within the Facility Site**

Ecological Community Type <sup>1</sup>	Acres	Percent Cover (%)
Cropland	4,059	69
Silver Maple-Ash Swamp	954	16
Successional Southern Hardwoods	431	7
Successional Shrubland	102	2
Developed/Disturbed	86	1
Pastureland	78	1
Pine Plantation	36	1
Shallow Emergent Marsh	27	<1
Shrub Swamp	30	<1
Mowed Roadside/Pathway	25	<1

<b>Ecological Community Type<sup>1</sup></b>	<b>Acres</b>	<b>Percent Cover (%)</b>
Red Maple-White Pine Swamp	16	<1
Open Water	10	<1
Mowed Lawn with Trees	10	<1
Successional Old Field	4	<1
Spruce/Fir Plantation	1	<1
<b>Total</b>	<b>5,870</b>	<b>100</b>

<sup>1</sup> Ecological community types have been defined based on Edinger et al., 2014

(b) Impact to Plant Communities

(1) Calculations of Potential Impact

The overall impact on upland ecological communities from the layout in the Application Supplement is provided in Table 22-3 Update below and Figure 22-1 Addendum attached to this Application Supplement. Permanent impacts to ecological communities are expected to total 50.21 acres, an increase of 2.6 acres from impacts presented in the Article 10 Application. However, temporary impacts and permanent conversion are expected to decrease from impacts presented in the Article 10 Application (by 31.49 acres and 2.7 acres, respectively). Combined impacts (including temporary, permanent conversion, and permanent) are expected to total 244.05 acres, which is equivalent to approximately 4.2% of the Facility Site and comparable to the impacts to ecological communities as a result of the Article 10 Application layout.

**Table 22-3 Update. Estimated Ecological Community Impacts**

<b>Ecological Community Type</b>	<b>Temporary Impact (acres)<sup>1</sup></b>	<b>Permanent Conversion (acres)<sup>2</sup></b>	<b>Permanent Impact (acres)</b>	<b>Total Impact (acres)</b>
Cropland <sup>3</sup>	151.91	n/a	46.03	197.94
Successional Southern Hardwoods	9.68	6.97	1.69	18.34
Silver Maple-Ash Swamp	3.16	5.88	0.26	9.30
Successional Shrubland	5.05	5.38	1.24	11.68
Mowed Roadside/Pathway <sup>3</sup>	0.07	n/a	n/a	0.07
Disturbed/Developed <sup>3</sup>	1.09	n/a	0.37	1.46
Pine Plantation	0.94	0.81	0.14	1.90
Pastureland <sup>3</sup>	1.62	n/a	0.32	1.94
Successional Old Field	0.10	0.26	0.08	0.44
Mowed Lawn with Trees <sup>3</sup>	0.89	n/a	0.09	0.98
Spruce/Fir Plantation	0.02	<0.01	0.0	0.02
Shallow Emergent Marsh	0.01	0.0	0.0	0.01
Shrub Swamp	<0.01	0.0	0.0	<0.01
<b>Total</b>	<b>174.54</b>	<b>19.30</b>	<b>50.21</b>	<b>244.05</b>

Note: Impacts to public road rights-of-way are included in these calculations. Therefore, the total impact data presented in this table will not exactly match the data presented in other impact tables (e.g., Exhibit 4, Table 4-9).

<sup>1</sup>These areas will not be maintained by the Applicant following construction. Unless otherwise disturbed/managed by the landowner, these areas would be expected to return to their pre-disturbance state over time.

<sup>2</sup>It is anticipated that all areas not converted to built facilities within 15 feet of buried collection lines, within 10 feet of permanent access road edges, and within 100 feet of wind turbine pads would be maintained in an early successional state following construction. All other areas outside of these distances would not be maintained by the Applicant.

<sup>3</sup>Buried collection line rights-of-way, permanent access road shoulders, and areas adjacent to wind turbine pads will not be maintained by the Applicant where they cross or are within active agricultural and/or developed communities unless otherwise mandated in the landowner lease agreement.

(i) Map Showing Delineated Wetland Boundaries

(1) Wetland Boundaries and Mapping

An additional wetland delineation effort was conducted in July 2020 to identify any wetlands within 100 feet of the laydown yard (100-foot Study Area)<sup>6</sup>, as proposed in this Application Supplement. One

<sup>6</sup> Since the filing of the Article 10 Application, the New York State Board on Electric Generation Siting and the Environment (Siting Board) issued a Memorandum of Resolution that reduced the required area for wetlands mapping from within 500 feet of disturbed areas to 100 feet.

additional wetland was delineated in the 100-foot Study Area using the methods outlined in the Article 10 Application. See Figure 22-3 Update and the Wetland Delineation Report Addendum (Appendix 22-J Addendum), both attached to this Application Supplement for additional information on the updated wetland delineation.

(j) Description of Wetlands

No new wetland community types were identified in the course of collecting the supplemental wetland field data identified above. However, the number of wetlands within the palustrine forested wetland (PFO) community type identified in the Article 10 Application has increased from 29 to 30. See the updated Wetland Delineation Report (Appendix 22-J Addendum attached to this Application Supplement).

(m) Wetland Impacts

Based on the Facility limits of disturbance as identified in the Preliminary Design Drawings (see Appendix 11-A Update attached to this Application Supplement), construction of the Facility as presented in this Application Supplement is not expected to change the impacts to wetlands from those presented in the Article 10 Application.

**Exhibit 23. Water Resources and Aquatic Ecology**

The changes proposed in this Application Supplement do not affect Exhibit 23 and the conclusions reached in Exhibit 23 remain unchanged. Figure 23-1 has been updated in response to the Deficiency Letter and is attached to this Application Supplement as Figure 23-1 Update.

**Exhibit 24. Visual Impacts**

(a) Visual Impact Assessment

(9) Operational Effects of the Facility

In the Application, shadow flicker modeling results were discussed in Exhibits 15 and 24 and Appendix 15-A. As discussed above, the Applicant has updated the shadow flicker analysis based on the updated participation status of receptors provided in this Application Supplement. See the section on Exhibit 15 above and Appendix 15-A Addendum for a full discussion of the updated shadow flicker results.

**Exhibit 25. Effect on Transportation**

The changes proposed in this Application Supplement affect select subsections of the text in Exhibit 25. In addition, an updated Route Evaluation Study has been provided to reflect these changes (see Appendix 25-A Update attached to this Application Supplement).

(c) Project Trip Generation Characteristics

(4) Conceptual Haul Routes and Approach and Departure Routes for Workers and Employees

The recommended access routes to select Facility locations have been updated since the Article 10 Application submittal. The changes are detailed below, and the Route Evaluation Study has been updated to reflect this change (see Appendix 25-A Update). As presented in the Article 10 Application, final haul routes will still be determined once the turbine manufacturer has been selected and has been reviewed and approved or amended. Final haul routes will be provided to the Siting Board, Town of Barre and Orleans County Highway Departments prior to Facility construction.

**Access to T1, T2, and T3** - This access route is from State Route (SR) 31A to SR 98 to Gillette Road to County Route (CR) 5 to the access road. This routing needs minimal improvements to function as a viable haul route, mainly the addition of temporary turn areas.

**Access to T4, T5, and T6** – This access route is from SR 31A to Gillette Road to the access road. This routing needs minimal improvements to function as a viable haul route, mainly the addition of a temporary turn area.

(d) Traffic and Transportation Impacts

(3) Over-sized Deliveries

The updated Route Evaluation Study includes changes to the proposed roadway and intersection improvements. Two of the locations originally included in the Article 10 Application are no longer included and one new location has been included (see Appendix 25-A Update). As described in the Article 10 Application, all improvements identified will require verification and/or update after a Certificate has been issued by the Siting Board, when the final turbine supplier is identified, and the delivery routes are finalized.

**Exhibit 29. Site Restoration and Decommissioning**

The changes proposed in this Application Supplement do not affect Exhibit 29 and the conclusions reached in Exhibit 29 remain unchanged. The Decommissioning Plan has been updated in response to the Deficiency Letter and is attached to this Application Supplement as Appendix 29-A Update.

## **Exhibit 32. State Laws and Regulations**

The changes proposed in this Application Supplement do not affect Exhibit 32 and the conclusions reached in Exhibit 32 remain unchanged. Exhibit 32 has been updated in response to the Deficiency Letter and is being submitted with this Application Supplement. This revised Exhibit fully replaces the version submitted with the Application.

### (5) Exhibits Not Affected by this Application Supplement

The following Exhibits are not affected by this Application Supplement.

- Exhibit 1: General Requirements
- Exhibit 7: Natural Gas-Powered Facilities
- Exhibit 8: Electric System Modelling
- Exhibit 9: Alternatives
- Exhibit 10: Consistency with Energy Planning Objectives
- Exhibit 12: Construction
- Exhibit 14: Cost of Facilities
- Exhibit 16: Pollution Control Facilities
- Exhibit 17: Air Emissions
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- Exhibit 21: Geology, Seismology and Soils
- Exhibit 26: Effect on Communication
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- Exhibit 30: Nuclear Facilities
- Exhibit 31: Local Laws
- Exhibit 33: Other Applications and Filings
- Exhibit 34: Electric Interconnection
- Exhibit 35: Electric and magnetic Fields
- Exhibit 36: Gas Interconnection
- Exhibit 37: Back-up Fuel
- Exhibit 38: Water Interconnection
- Exhibit 39: Wastewater Interconnection
- Exhibit 40: Telecommunications Interconnection
- Exhibit 41: Applications to Modify or Build Adjacent