

facilities, including generators and transmission lines, as well as changes to electric load (time of load during the day, peaks, etc.).

Exhibit 8 shall contain:

- a) An analysis using GEMAPS, PROMOD or similar computer-based modeling tool, which includes:
 1. Estimated statewide levels of SO₂, NO_x and CO₂ emissions, both with, and without the proposed facility;
 2. Estimated minimum, maximum, and average annual spot prices representative of all NYISO Zones within the New York Control Area, both with and without the proposed facility;
 3. An estimated capacity factor for the facility;
 4. Estimated annual and monthly, on peak, shoulder and off-peak megawatt (MW) output capability factors for the Facility;
 5. Estimated average annual and monthly production output for the Facility in megawatt-hours (MWhs);
 6. An estimated production curve for the Facility over an average year;
 7. An estimated production duration curve for the Facility over an average year; and
 8. Estimated effects of the proposed Facility on the energy dispatch of existing must-run resources, defined for this purpose as existing wind, hydroelectric and nuclear facilities, as well as co-generation facilities to the extent they are obligated to output their available energy because of their steam hosts.
- b) Digital copies of all non-proprietary inputs used in the simulations required in subdivision (a) of this section. Proprietary information, where required, will be submitted with the Article 10 Application, but will be provided to the DPS Records Access Officer pursuant to regulations for confidential treatment of business trade secrets under separate cover. The Applicant will seek the requisite trade secret protection for this information pursuant to NY Public Officer's Law Section 87(2)(d) and 16 NYCRR 6-1.3.

Stipulation 9-1001.9 Exhibit 9: Alternatives

Exhibit 9 shall contain:

- a) Unlike other entities, the Applicant does not have eminent domain authority or the ability to condemn private property. Therefore, the alternatives analysis will be limited to sites owned by, leased, or under option to the Applicant or its affiliates within the Project Area.
- b) A comparative assessment of alternative locations considered by the Applicant, based on land that is owned, leased or under option by Applicant or its affiliates, at a level of detail sufficient to permit a comparative assessment of alternatives discussed, based on the following parameters:
 1. Environmental setting;

2. Recreational, cultural, and concurrent land uses identified on properties identified as alternative locations for Facility components;
 3. A preliminary geotechnical study and available wind resources, based on publicly available data;¹
 4. System reliability and electric system effects;
 5. The impact that construction and operation of the Facility would have on global climate change;
 6. Economic considerations;
 7. The Facility site is not located in or adjacent to environmental justice areas, therefore, environmental justice areas will not be addressed in Exhibit 9;
 8. Impacts to security, public safety and emergency planning during construction and operation, including discussion of the Facility's Fire Protection and Emergency Response Plan, which will be more fully outlined in Exhibit 15;
 9. Projected public health impacts, such as noise, shadow flicker, and setback distances, of alternatives considered. The Applicant does not propose to conduct separate public health studies (including noise, shadow flicker etc.) for each alternative considered;
 10. Vulnerability to potential seismic disturbances and current and anticipated climate change impacts, such as sea-level rise, precipitation changes, and extreme weather events; and
 11. The objectives and capabilities of the Applicant.
- c) A description and evaluation of reasonable alternatives to the primary proposed facility layout, components and design, based on the parameters discussed in Section (b) above and including:
1. general arrangement and design;
 2. alternative wind turbine technologies including different makes and models under consideration;
 3. scale or magnitude of the alternate facilities in terms of a maximum generating capacity of 201 MW and the relative economic benefits to the local community;
 4. alternative layouts of the turbines within the site location, including an alternative that avoids or minimizes conflicts with local ordinances;
 5. timing of the proposed in-service date for the Facility in relation to other planned additions, withdrawals, or other capacity, transmission or demand reduction changes to the electric system, that are publicly known at the time of Application submittal; and
 6. reasonable alternative locations and design for the proposed Point of Interconnection, including a review of each alternative's consistency with existing zoning regulations.
- d) Reasons why the primary proposed location is best suited, among the alternative locations required to be identified, to promote public health and welfare.
- e) Reasons why the primary proposed design technology, scale or magnitude, and timing are best suited, among the alternatives, to promote public health and welfare.

¹ An evaluation of fuel availability, other than the provision of wind measurement data discussed elsewhere in the Application, is not applicable to the proposed Project.

- f) A description and evaluation of the no action/no build alternative at the primary proposed location, including a statement of the reasons why the proposed facility is better suited to promote public health and welfare.
- g) A description of reasonable energy supply source alternatives will be limited to wind power generation, considering the objectives and capabilities of the Applicant, a wind energy company.
- h) Since the proposed Facility is a wind powered electric generation facility, source and demand-reducing alternatives will not be considered in the Application, given the objectives and capabilities of the Applicant as a renewable energy company.
- i) Since the proposed Facility is a wind powered electric generation facility, alternative (non-wind) sources or measures for energy generation will not be considered. Therefore, the discussion of the proposed Project's ability to promote public health and welfare will necessarily be limited to a discussion of wind energy alternatives only. The Application will include a high-level discussion of a solar powered generation facility, including potential land use impacts, resource impacts, economics and other factors considered in determining the feasibility of a solar alternative. Otherwise, other alternative power generation technologies are not feasible or reasonable alternatives, are not within the Applicant's capabilities and/or objectives for this facility, and do not warrant consideration in the Applicant's Article 10 Application.

Stipulation 10-1001.10 Exhibit 10: Consistency with Energy Planning Objectives

Exhibit 10 shall contain:

- a) A statement demonstrating the degree of consistency of the construction and operation of the facility with the energy policies and long range energy planning objectives and strategies contained in the most recent State Energy Plan, including:
 - 1. The five "Guiding Principles" listed on pages 49-54 of the 2015 State Energy Plan.
 - 2. The seven goals listed in the "Initiatives and Goals" section, pages 65-111 of the 2015 State Energy Plan.
 - 3. The three "New York's 2030 Targets" listed on page 112 of the State Energy Plan.
 - 4. The Clean Energy Standard.
- b) A description of the impact the proposed Facility would have on reliability in the state.
- c) A description of the impact the proposed Facility would have on fuel diversity in the state.
- d) A description of the impact the proposed Facility would have on regional requirements for capacity.