Contents

APPENDIX E

Overview

As part of the qualitative evaluation of Bidder proposals, CECONY and O&R will evaluate the location of proposed projects. Both CECONY and O&R have identified preferred locations which are illustrated and described below. Please note the maps illustrate approximate boundaries and exact electrical connection to the load areas requires verification. Locations can be confirmed via the self-service Hosting Capacity Maps.[1]

Preferred CECONY Locations

CECONY has identified areas more suitable for a one hour battery. If a Bidder is proposing an Offer on Staten Island or in Zone H or Zone I, the Bidder should consider a one hour battery rather than a four hour battery.

Preferred O&R Locations

O&R has identified the following preferred locations within its service territory.

Preferred Location 1

Cuddebackville

The Cuddebackville Substation is located at 49 Galley Hill Road in Cuddebackville, NY 12729. The single bank station (Bank 15) serves three 34.5kV distribution circuits served from transmission L131 (69kV) from Mongaup Station and Line 13 (69kV) fed from Shoemaker Substation. The primary function of the battery is to operate in the NYISO capacity market. The location of the battery near Cuddebackville station will benefit the large amount of existing and proposed PV aggregated on the local 34.5kV bus. The battery would store excess energy generated by the PV and discharge each day as the PV generation reduces.

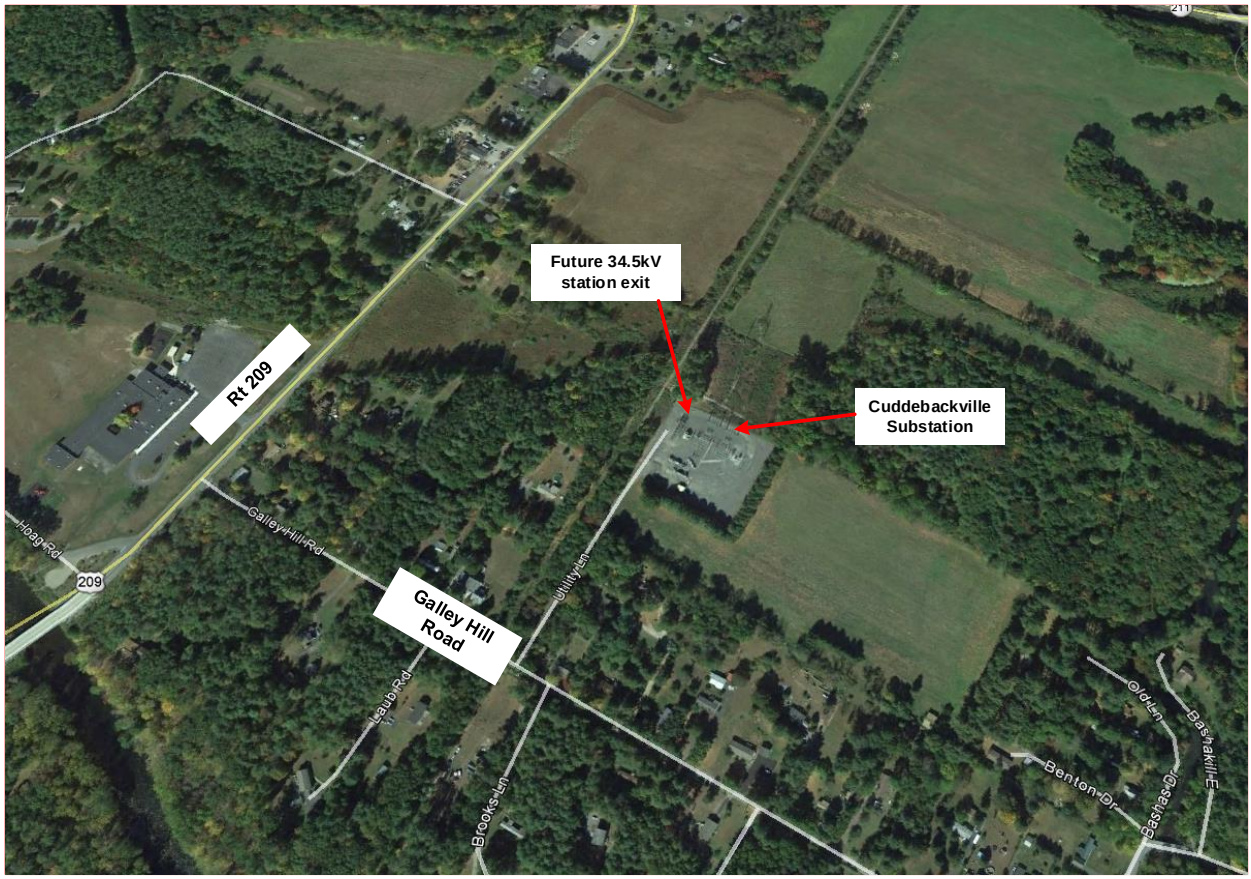
The Company envisions the point of interconnection to be served from a new 34.5kV station breaker with an underground 34.5kV line that will be dedicated to the battery project. The site of the battery shall be as close to the station as possible to reduce overall cost of installation. Locations closer to the substation are preferred (see Map #1). There are multiple vacant land sites adjacent to the substation that may be possible for the installation of a battery storage system. If land near the station cannot be

[1] CECONY Hosting Capacity Maps: https://www.coned.com/en/business-partners/hosting-capacity; O&R Hosting Capacity Maps: https://www.oru.com/en/business-partners/hosting-capacity

secured, alternate sites south of the station along RT 209 will also be considered (see Map #2). For this case, no spare circuit position will be required. Connection will be to existing 34.5kV circuit (5-10-34).

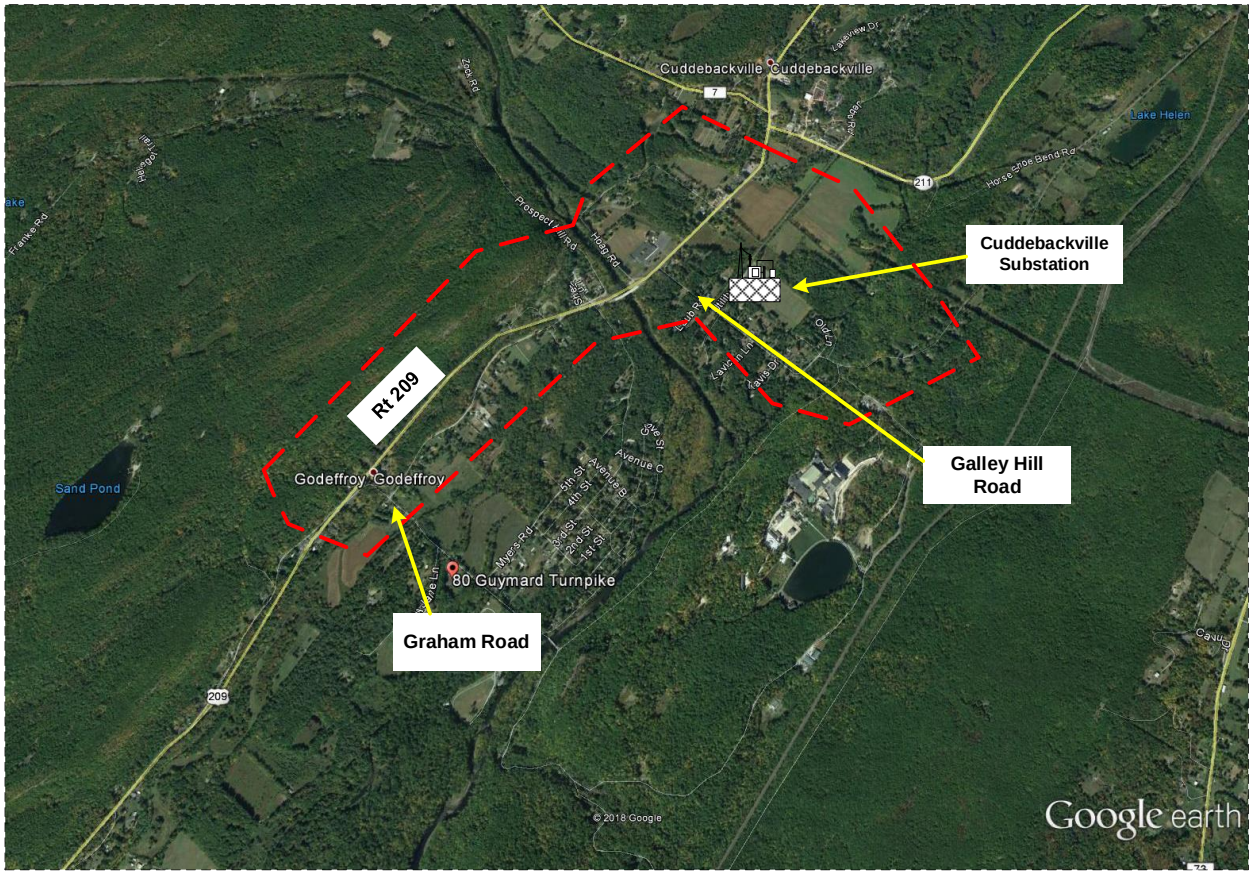
The Bidder is responsible to identify and secure potential sites, review associated local permitting laws, zoning, regulations and ensure State Environmental Quality Act (SEQRA) requirements are met. The Bidder will be responsible for all monetary improvements (point of interconnect) associated with a new 34.5kV breaker and other associated equipment as needed. Depending on site location, the project may require underground distribution feeder and/or utility poles installations to connect to the battery site. The battery must have monitoring and control capability to ensure compliance with the project requirements in addition to any other requirements determined during the interconnection study.

Map #1: Cuddebackville Substation (preferred)



Address of the station: 49 Galley Hill Rd, Cuddebackville, NY

Map #2: Cuddebackville Substation (alternate sites along RT 209 – red zone)



Preferred Location 2

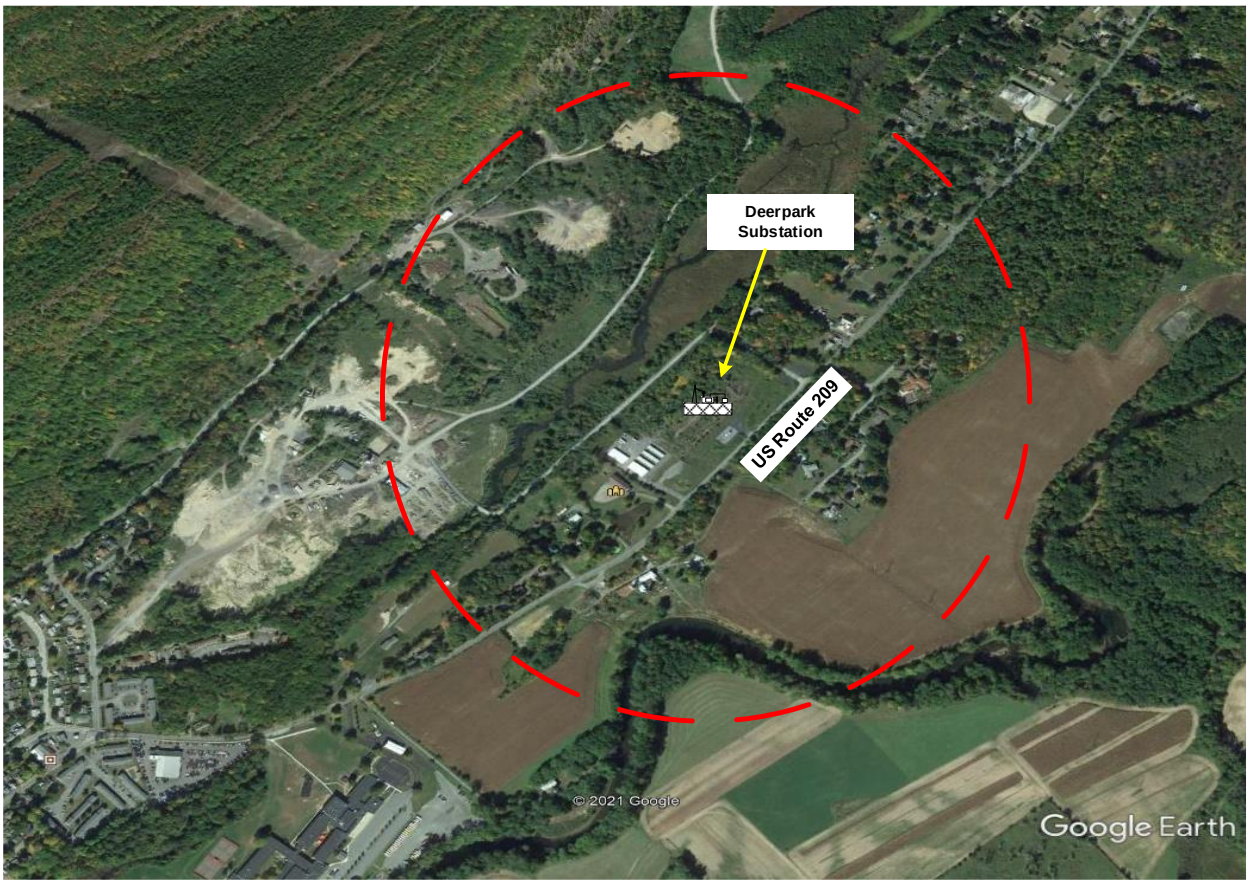
Deerpark

The Deerpark Substation is located at 55 US Route 209, Port Jervis, NY 12771. The single bank station (Bank 3116) serves one 13.2kV distribution circuit. Transmission Line 111 (69kV) and L14 (69kV) serve the station. The primary function of the battery is to operate in the NYISO market. The location of the battery near Deerpark station will benefit the large amount of existing and proposed PV aggregated on the local 13.2kV bus. The battery would store excess energy generated by the PV and discharge each day as the PV generation reduces.

The Company envisions the point of interconnection to be served from an existing spare 13.2kV station breaker with an underground 13.2kV line that may/may not be dedicated to the battery project. The site of the battery shall be as close to the station as possible to reduce overall cost of installation. Locations closer to the substation are preferred (see Map #3). There are multiple vacant land sites adjacent to the substation that may be possible for the installation of a battery storage.

The Bidder is responsible to identify and secure potential sites, review associated local permitting laws, zoning, regulations and ensure State Environmental Quality Act (SEQRA) requirements are met. The Bidder will be responsible for all monetary improvements (point of interconnect). Depending on site location, the project may require underground distribution feeder and/or utility poles installations to connect to the battery site. The proposed solution must have monitoring and control capability to ensure compliance with the project requirements in addition to any other requirements determined during the interconnection study.

Map #3: Deerpark Substation, Port Jervis, NY (areas within red-zone preferred).



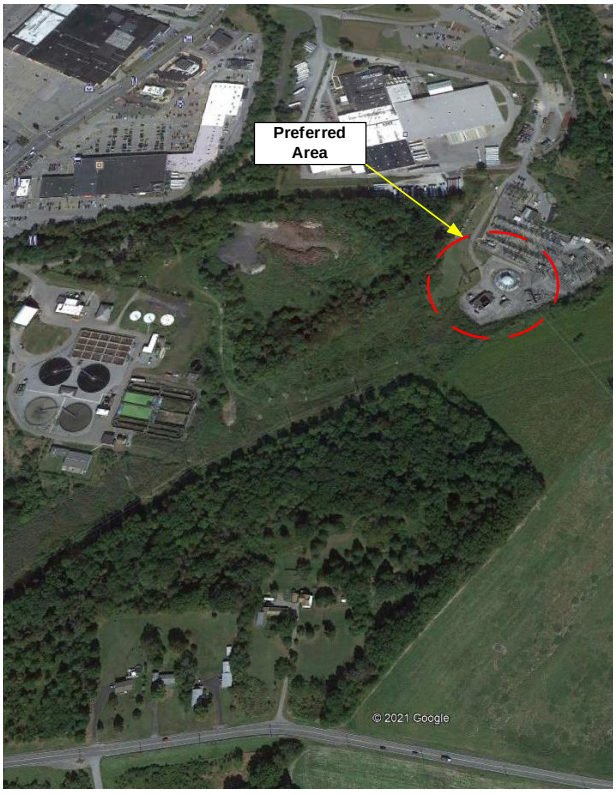
Address of the station: 55 US Route 209, Port Jervis, NY, 12771

Preferred Locations 3 and 4

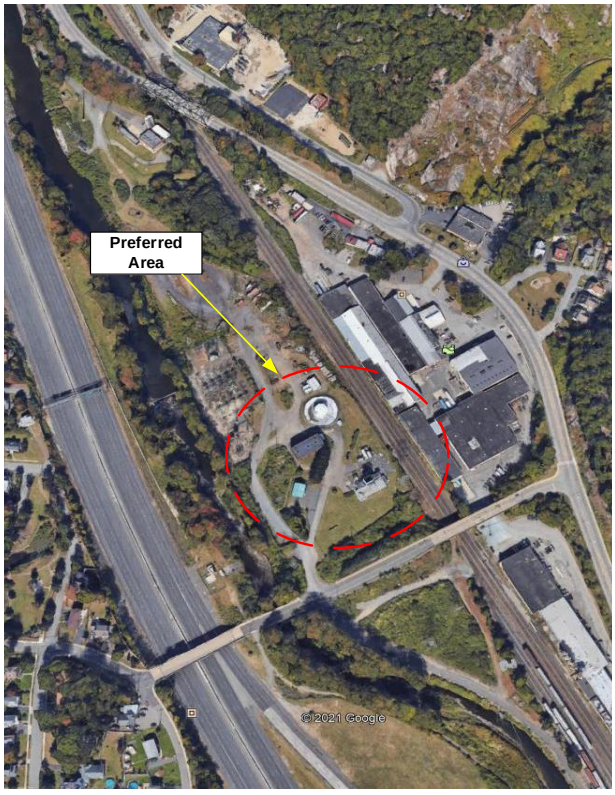
The Hillburn and Shoemaker Power Plants are fossil-fuel peak-shaving plants located in Hillburn, NY and Middletown, NY, respectively (inside the O&R service territory). Both plants are owned and operated by Alliance Energy and support different portions of the O&R 69kV systems. Energy storage located at these sites could be used to support grid operations while reducing greenhouse gas emissions.

Interconnection at either site would be at the power plants and must be coordinated through and with Alliance Energy (or current owners). No additional connections to the O&R system will be provided. The locations of the two sites are shown in Map #4 below.

Map #4: Shoemaker & Hillburn Plants (areas within red-zone preferred).



Shoemaker Plant
Dolson Ave
Middletown, NY 10940



Hillburn Plant
Fourth Street
Hillburn, NY 10931