

EXHIBIT 9 HAS BEEN REDACTED TO REMOVE  
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**Article VII Application**  
**Canisteo Wind Transmission Facility**  
**Case No. 19-T-\_\_**

**Exhibit 9**  
**Cost of Proposed Facilities**

**Invenergy**

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**EXHIBIT 9 – COST OF PROPOSED FACILITIES**

**TABLE OF CONTENTS**

9.1	115 kV Transmission Line Cost Estimates .....	1
9.2	POI Switchyard Cost Estimate.....	2
9.3	Stand Alone System Upgrade Facilities Costs and Other System Upgrade Costs .....	2
9.3.1	SA SUF .....	2
9.3.2	Other SUF .....	2
9.4	Summary of Estimated Costs .....	3

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**EXHIBIT 9 COST OF PROPOSED FACILITIES**

This Exhibit addresses the requirements of 16 NYCRR § 86.10.

This section presents the estimated cost of the proposed 115 kV transmission line and the POI Switchyard. Costs for the Collection Substation are included in the Canisteo Wind Farm cost estimate submitted with the Project's Article 10 application (Case Number 16-F-0205) because the proposed Collection Substation will be permitted and constructed under the Article 10 process. Cost estimates are based on data from the Canisteo Wind Farm draft Facilities Study and bids provided for a recent 115 kV transmission line Invenergy contracted in New York according to assumptions listed below:

- Route will utilize land secured by easement agreements with private landowners
- POI Switchyard upgrade costs shown in the draft Facilities Study will not change significantly
- Construction and interconnection will occur by December 2020
- Pole structures and quantity are based on the Transmission Line Structure Staking Sheet (T005-12, rev. 5) provided in Figure 9-1.
- Costs were based on bids received in October 2016 for another Invenergy developed wind farm in New York and were scaled for inflation and site-specific details.

**9.1 115 kV Transmission Line Cost Estimates**

Length of line: 14.6 miles

Number of poles: 106

Conductor: 1272 kcmil 45/7 ACSR "Bittern"; 48 Fiber OPGW

Description	Cost
Right of Way	\$ [REDACTED]
Surveys and Geotech	\$ [REDACTED]
Materials and labor	\$ [REDACTED]
SWPPP	\$ [REDACTED]
Mobilization	\$ [REDACTED]
Demobilization	\$ [REDACTED]
Clearing	\$ [REDACTED]
Engineering	\$ [REDACTED]
Legal and other services	\$ [REDACTED]

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**9.2 POI Switchyard Cost Estimate**

The following cost estimate is from the draft Facilities Study for the Canisteo Wind Farm and includes costs associated with upgrading Bennett Substation to interconnect the Project.

Description	Estimated Cost
Construction	\$ [REDACTED]
Construction Equipment	\$ [REDACTED]
Materials	\$ [REDACTED]
Engineering & Surveys	\$ [REDACTED]
Project & Construction Management	\$ [REDACTED]
Permitting	\$ [REDACTED]
Real Estate/Easements	\$ [REDACTED]
IP Testing/Commissioning	\$ [REDACTED]
Escalation (3%)	\$ [REDACTED]
Subtotal	\$ [REDACTED]
Contingency	\$ [REDACTED]

**9.3 Stand Alone System Upgrade Facilities Costs and Other System Upgrade Costs**

**9.3.1 SA SUF**

The following cost estimate is from the draft Facilities Study and includes costs associated with modifications or additions to the existing system at the POI Switchyard. In this case, the upgrades include an extension of the 115 kV strain bus to connect to the Project disconnect switch.

Description	Estimated Cost
Construction	\$ [REDACTED]
Construction Equipment	\$ [REDACTED]
Materials	\$ [REDACTED]
Engineering & Surveys	\$ [REDACTED]
Project & Construction Management	\$ [REDACTED]
Permitting	\$ [REDACTED]
Real Estate/Easements	\$ [REDACTED]
IP Testing/Commissioning	\$ [REDACTED]
Escalation (3%)	\$ [REDACTED]
Subtotal	\$ [REDACTED]
Contingency	\$ [REDACTED]

**9.3.2 Other SUF**

Other system upgrade costs include updating the Bennett to Moraine Road to Meyer 115 kV line (elective upgrade), updating the Bennett to Howard to Bath 115 kV line (elective upgrade), updating the Bath to Montour 115 kV line (elective upgrade), and replacing the overdutied GB-62 breaker at Bennett Substation.

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As some of the Other SUF actions are considered elective they may not be completed as part of the Transmission Line Facility; however, the costs are included as a reference and may be completed as part of the Project.

Description	Estimated Cost
Construction	\$ [REDACTED]
Construction Equipment	\$ [REDACTED]
Materials	\$ [REDACTED]
Engineering & Surveys	\$ [REDACTED]
Project & Construction Management	\$ [REDACTED]
Permitting	\$ [REDACTED]
Real Estate/Easements	\$ [REDACTED]
IP Testing/Commissioning	\$ [REDACTED]
Escalation (3%)	\$ [REDACTED]
Subtotal	\$ [REDACTED]
Contingency	\$ [REDACTED]

**9.4 Summary of Estimated Costs**

- 115 kV Transmission Line
  - TOTAL: \$ [REDACTED]
- POI Substation
  - Bennett Substation: \$ [REDACTED]
  - Stand Alone System Upgrade Facilities: \$ [REDACTED]
  - Other System Upgrade Facilities (Elective): \$ [REDACTED]