

PJM Upgrade Request

Queue AD1-086

23.9MW

345kV Goodings Grove to East Frankfort line 11601

System Impact Study Report

April 2018

Revised April 2020

Queue Position AD1-086 345kV Goodings Grove to East Frankfort line 11601
Upgrade Request
System Impact Study Report

General

The New Service Customer, Illinois Municipal Electric Agency (“IMEA”), has requested a Merchant Network Upgrade to support an increase of 23.9 MW to the emergency rating of the 345kV Goodings Grove to East Frankfort line 11601.

Network Upgrades

In order to provide 23.9 MW of additional emergency rating capacity to ComEd’s 345kV Goodings Grove to East Frankfort line 11601, ComEd will need to upgrade station conductor at both TSS 116 Goodings Grove and TSS 66 East Frankfort.

The estimated cost of this upgrade is \$100,000.

The existing 11601 SE rating of 1726 MVA will increase to 1917 MVA after completion of this upgrade.

Cost Summary

Item	Limiting Constraint		Estimated mitigation	Estimated Cost
1	345kV Goodings Grove to East Frankfort line 11601	ComEd	Upgrade station conductor at both TSS 116 Goodings Grove and TSS 66 East Frankfort	\$100,000

Total estimated costs: \$100,000

Notes:

- Detailed Engineering & Construction Estimates TBD during Facility Study
- Estimates for time required to construct the reinforcements will be identified during the Facilities Study
- The above estimate does not include 1) tax gross-up (which will be applicable), or 2) Real estate and permitting costs.

Preliminary ICTRs Granted:

ICTRs were calculated using the 2021 RPM case. This study shows that the New Service Customer shall have Incremental Capacity Transfer Rights in the following quantities into the indicated Locational Deliverability Area: 0 MW