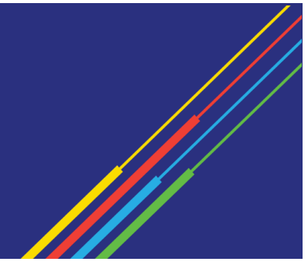
nationalgrid

New York Large Load Transmission Interconnections

March 2026



Step 1: Early Engagement & Planning → Step 2: NYISO System Impact Study (SIS) → Step 3: Facility Study → Step 4: Project Initiation, EPC → Step 5: Energization

The purpose of this document is to describe, at a high level, the end-to-end process for large load interconnections*. The table below summarizes the key stages, coordination points, and responsibilities associated with evaluating and connecting new loads or existing load increases to the electric system.

Process Step	Customer	Transmission Owner	NYISO	Duration**	Estimated Cost**	Output
Step 1: Early Engagement and Planning	-Provide project details, including total MW requested, site location & POI, power factor, etc.	-Provide high level, non-binding information on potential impact of proposed added load on National Grid's electrical transmission network. -Discuss potential Economic Development opportunities or incentives if applicable. -All information at this stage is considered informational only, subject to change, and non-binding. National Grid does not reserve capacity		1-3 Months	Up to $30k, dependent upon information requested	-National Grid to provide high level analysis of impact of requested load on electric transmission system and overall guidance on next steps. -Developer decision to move forward into NYISO SIS Process.
Step 2: NYISO System Impact Study*	-Customer to create and account and submit Interconnection Request (IR) through the NYISO Portal for requested load.	-Provide guidance on NYISO application if necessary. - Support NYISO's technical analyst and solutions. -Provide comments on SIS Draft Report.	-Validate IR and assign Load Interconnection Project to appropriate Connecting Transmission Owner, schedule 3-party scoping call to discuss project. -Identifies adverse reliability impacts as applicable. -Identifies Affected Systems and potential upgrades required. -Finalized Load SIS Report. Finalized report is considered informational and non-binding.	6-12 Months	$150k Deposit submitted to the NYISO.	-NYISO issues finalized Load SIS Report for acceptance by all parties.
Step 3: Facility Study	-Developer to engage with assigned National Grid Account Manager to initiate process to perform Facility Study.	-National Grid and any Affected Transmission Owners (ATO) identified (if applicable) perform Facility Study. -Requires execution of 2-Party Support Services Agreement (SSA) between TO & Customer.		9-15 Months	$200-$500k to be provided upon execution of SSA.	-National Grid Facility Study Report and ATO Facility Study Report providing non-binding scope of required upgrades, cost estimates (+30-15%), and high level project timeline.
Step 4: Project Inititation & Engineering, Procurement, Construction	-Execution of Cost Reimbursement Agreement required. -Contriburiton in Aid of Construction (CIAC)/Security provided by customer.	-Begin procurement of long lead-time materials -Regular cadence with Customer and EPC Contractor for coordination as needed (weekly, bi-weekly, etc.) -Execution of additional agreements required (i.e. asset purchase, real estate/easements, Interconnection Agreement, etc. -Detailed Engineering, Design, & Construction. -Outage coordination, sequencing, and approvals. -First bill walkthrough -Energization & Project Closeout.		2+ years	Dependent upon required upgrades.	-Load Interconnection Project energized.

*All large load requests (new load or load increase) > 10MW connecting at 115kV or higher or > 80MW connecting below 115kV are subject to NYISO Load Interconnection Projects System Impact Study Procedures. For more information on the NYISO SIS Procedures, please refer to NYISO Technical Bulletin 266.

**Timeframes and final Contribution in Aid of Construction (CIAC) costs depend on the electric network upgrades required, which can vary by location. CIACs are calculated during the engineering and design phase. To move forward with the engineering and design process, a payment of approximately 10% of the total project cost is required. This payment will be deducted from the total CIAC if the project proceeds.