
ATTACHMENT C

Methodology To Assess Available Transmission Capability

FG&E is a member of ISO New England.. Evaluation and determination of Total Transfer Capability (TTC) over control area-to-control area interfaces and internal control area interfaces/limitations necessary to establish the Available Transmission Capacity (ATC) is normally directed by and the responsibility of the ISO. When necessary, FG&E will estimate ATC as the amount of unused capacity remaining after considering FG&E's Total Transmission Capacity, as determined in the ISO analysis, and FG&E's existing and pending firm transmission service commitments. The following outlines the methodology that FG&E will employ when necessary to estimate whether sufficient transmission transfer capacity is available for a Local Generation Interconnection and Delivery Service Request.

1. **Available Transmission Capacity (ATC)** is the amount of unused TTC after consideration of reliability requirements to
 - meet obligations of existing and pending Valid Requests for Local Network Service under the OATT
 - meet obligations of existing firm and pending Valid Requests for Local Generation Delivery Service under the OATT
 - meet obligations of other existing contracts under which transmission service is provided
2. **Guidelines and Principles** - When estimating ATC, FG&E will apply the following, as amended and/or adopted from time to time
 - Good Utility Practice
 - ISO New England criteria, rules and reliability standards
 - Northeast Power Coordinating Council (NPCC) criteria and guidelines
 - Fitchburg Gas and Electric Light Company guides
3. **Transmission System Model Representation** - When the TTC of an interface is not available from ISO analysis, FG&E will estimate TTC using transmission system load flow

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models developed for FG&E's system. The models may include representations of other NPCC and neighboring systems. FG&E will use system models that it deems appropriate for study of the Request for firm transmission service. Additional system models and operating conditions, including assumptions specific to a particular analysis, may be developed for conditions not available in the library of load flow cases. The system models may be modified, if necessary, to include additional system information on load, transfers and configuration, as it becomes available.

4. Contingency Analysis - When TTC from ISO analysis is not available and is required to establish ATC, FG&E will perform, if necessary, analysis to estimate TTC. TTC and ATC will be estimated for point-to-point transfers based on First Contingency Total Transfer Capability (FCTTC) and First Contingency Incremental Transfer Capability (FCITC).¹ The ATC, based on contingency analysis, is the incremental transfer capability of the transmission system following the loss of the most critical element while maintaining thermal, and stability performance of the system within acceptable regional practices and consistent with guidelines of Item 2 of this Attachment.

5. Determination of Available Transmission Capacity – FG&E will estimate ATC based on making appropriate adjustments for Local Generation Interconnection and Delivery Service Reservations in the direction of the requested transfer. Establishment of ATC will be based on the minimum of the remaining capacity estimated from conditions studied in Items 1 and 4, above. To the extent practicable, FG&E will rely on existing transmission planning studies in making such estimates.

6. Jointly Owned or Controlled Transmission Facilities - FG&E, where it jointly owns or controls transmission with other utilities or adjoining areas, will consider in its determination of

¹ As defined by NERC in Transmission Transfer Capability, May 1995.

ATC its entitlement for use of such lines in accordance with provisions of the OATT and consistent with pre-existing agreements on its rights governing such use. Obtaining firm transmission service over other utilities' facilities is the responsibility of the requesting Transmission Customer.

7. **Available Capacity Different from Amount Requested** - In accordance with the terms and conditions of the OATT to which this Attachment is appended, the Requesting Transmission Customer will be notified of the ATC for the terms identified on the application form.