

**MidAmerican Energy Company**  
**Methodology To Determine Total Flowgate Capability**

*The Midwest ISO utilizes the Available Flowgate Capability (“AFC”) method and does not utilize the Total Transfer Capability (“TTC”) method for assessing transmission capabilities. As a Midwest ISO Transmission Owner, MidAmerican Energy provides Total Flowgate Capability (“TFC”) values for use by the Midwest ISO’s use in calculating AFC. All AFC components other than TFC are calculated by the Midwest ISO.*

*MidAmerican Energy Company, the Transmission Owner, provides the following information concerning its TFC calculation methodology:*

*For TFC, a Transmission Provider (or Transmission Owner) shall: (i) explain its definition of TFC; (ii) explain its TFC calculation methodology; (iii) list the databases used in its TFC assessments; and (iv) explain the assumptions used in its TFC assessments regarding load levels, generation dispatch, and modeling of planned and contingency outages.*

With respect to requirement (i), MidAmerican Energy defines TFC for MidAmerican Energy flowgates as follows,

The TFC is defined as the seasonal emergency facility rating of the limiting facility. The seasonal emergency facility rating is determined in accordance with the MidAmerican Energy Company Transmission Facility Ratings Methodology (as posted on the MidAmerican Energy OASIS page on the Midwest ISO’s OASIS node).

With respect to requirement (ii), MidAmerican Energy’s TFC calculation methodology for MidAmerican Energy flowgates is such that the TFC is set to be equal to the seasonal emergency facility rating of the limiting facility. The seasonal emergency facility rating is determined in accordance with the MidAmerican Energy Company Transmission Facility Ratings Methodology (as posted on the MidAmerican Energy OASIS page on the Midwest ISO’s OASIS Node).

The methodologies and studies used to determine TFC for each flowgate in the Midwest ISO are reviewed and sanctioned through the Midwest ISO Available Flowgate Capacity Working Group (AFCWG).

With respect to requirement (iii), the databases used in MidAmerican Energy’s TFC assessments are:

For thermal limitations, the seasonal normal and emergency facility ratings are documented in internal spreadsheets and provided to the Midwest ISO, MidAmerican Energy’s Regional Transmission Organization and Reliability Coordinator, for real-time operations and long-term planning and model development purposes.

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For stability limitations, the Midwest ISO maintains a database of generator modeling data which are used in stability simulations. None of the MidAmerican Energy flowgates are related to stability limitations.

MidAmerican Energy considers the information in these databases to be Critical Energy Infrastructure Information (“CEII”).

With respect to requirement (iv), the assumptions used in TFC assessments regarding load levels, generation dispatch, and modeling of planned and contingency outages for flowgates are not relevant because the TFC is only dependent on the facility rating. Load levels, generation dispatch and planned and contingency outages are not considered in determining the TFC.