

CONNECTING

Energy Infrastructure

ITCI Planning Assumptions and Planning Criteria

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12/16/2022

ITC INTERCONNECTION (ITCI)

ITC Facilities in PJM

ITC owns and operates PJM network transmission facilities in southwest Michigan:

- 345kV Substation
- 345kV Transmission Line

PJM integration activities completed on June 1, 2016

Also Connects to ITC Owned METC Facilities in MISO (METC)

Zero Revenue Requirement Assets (No Regulated Rate)



ITCI Planning Criteria (PJM)

- ITCI Uses the Same Planning Criteria as the Michigan MISO Assets (ITCT & METC)
- ITCI Planning Criteria Augments PJM Planning Criteria
- Some ITCI Criteria Differences From PJM Criteria Include:

P1 Contingencies That Include a Prior Shutdown Considered for Shoulder Peak (85% peak load)

Max/Min Voltages
0.97/1.07 pu for P0 and
0.92/1.07 pu for P1-P7

P2.2 Bus Section Fault Considered to be a 3-Phase Fault to Ground

P4 Contingencies Considered to be a 2-Phase Fault to Ground

Some Additional Restrictions on Consequential Load Loss

End of Life Criteria

ITCI – Project Identification

- **Annual Michigan planning assessment conducted to identify any system issues and corresponding projects**
- **Asset management programs to identify and replace equipment that is obsolete, failed, or at an end-of-life condition**

ITCI Planning Criteria (PJM)

- ITCI Planning Criteria and Facility Connection Requirements are Posted on PJM's Webpage:

<https://www.pjm.com/planning/planning-criteria/to-planning-criteria>

- If the document you reference does not have a revision date of 11/15/2022 or later, please refer to the ITC Holdings extranet.

[ITC Interconnection Customer Connections – ITC Home \(itc-holdings.com\)](https://www.itc-holdings.com)

- Added criteria for analyzing GMD - Section 3.9 and Table 2 to the Planning Criteria
- Added Criteria for Inverter Based Resources when connecting to the system in the Facility Connection Document



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