



ISO/RTO Transmission Shortage Treatment

EPFSTF

May 06, 2022

- Material used in this presentation was compiled by NYISO
- NYISO presentation can be found at the following link
- ISO-RTO Comparison:

http://www.nyiso.com/public/webdocs/markets_operations/committees/bic_miwg/meeting_materials/2018-02-21/Constraint%20Specific%20Demand%20Curves_ISO-RTO_MIWG_2-21-2018_Final.pdf.

ISO/RTO Transmission Shortage Summary

ISO/RTO	Terminology	Constraint Relaxation	Constraint Price Capping	Constraint Demand Curve	Constraint Demand Curve Steps	Constraint Demand Curve Cost Steps (\$/MWh)	Constraint Price Cap Limits
CAISO	Market Parameter Values		X				Varies by DA, 15min and 5min Mkts (\$1,000 - \$5,000)
ERCOT	Transmission Shadow Price Caps		X				Varies by Contingency and Voltage Level (\$2,800 - \$5,000)
ISO-NE	Transmission Constraint Penalty Factor (TCPF)	X	X				Not published in documents/Tariff
MISO	Transmission Constraint Demand Curves (TCDC)			X	Varies by Voltage Level and Overload	\$400 - \$4,000	
NYISO	Transmission Shortage Pricing	X	X	X	0 to 5, >5 to 20	\$350, \$1175	\$4000/MWh
PJM	Marginal Value Limits (MVLs)	X N	X				\$1,000/MWh
SPP	Violation Relaxation Limits (VRLs)		X				Varies by percent of loading at network constraint (\$750 - \$1,500)

\$2800 - \$5251

DA - \$10,000, \$30,000
RT - \$30,000

\$2000/MWh

Facilitator:

Susan Kenney

Susan.Kenney@pjm.com

Secretary:

Andrea Yeaton

Andrea.Yeaton@pjm.com

SME/Presenter:

Angelo Marcino

Angelo.Marcino@pjm.com

Energy Price Formation Senior Task Force,
ISO/RTO Transmission Shortage Treatment



Member Hotline

(610) 666-8980

(866) 400-8980

custsvc@pjm.com

**PROTECT THE
POWER GRID
THINK BEFORE
YOU CLICK!**



Be alert to
malicious
phishing emails.

Report suspicious email activity to PJM.
(610) 666-2244 / it_ops_ctr_shift@pjm.com

