



Comparison of ISO/RTO Transmission Shortage Treatment

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- 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	X				\$1,000/MWh \$2000/MWh
SPP	Violation Relaxation Limits (VRLs)		X				Varies by percent of loading at network constraint (\$750 - \$1,500)