

Activation of Emergency Operating Procedures (EOP) in the IRM

ICS

Nov 17, 2021

EOP Activations in the 2022 IRM Study

- In the 2021 IRM Final Base Case (FBC), the Emergency Operating Procedure (EOP) activations were much higher than expected
- Since then, several modeling improvements were implemented, resulting in a reduced number of EOP activations in the 2022 IRM FBC

Case <i>–with modeling changes in 2022 IRM</i>	EOP Activations	Notes
2021 IRM Preliminary Base Case	12	Prior to ELR modeling
2021 IRM Final Base Case	170	Introduction of simplified ELR modeling
2022 IRM Preliminary Base Case	45	Addressed reserves, some maintenance scheduling issues
2022 IRM PBC + Fall Load Forecast	66	Large new load in Zone A/C is captured in the Fall Load Forecast
<u>2022 IRM FBC (approved)</u>	<u>38</u>	Removed maintenance; zero IRM impact. EOP activations concentrated in summer.

To Further Lower the EOP Activations

- There are a number of expected and indicative modeling adjustments that can further lower the EOP activations beyond the 2022 IRM FBC level in future IRM Studies
- Some of these modeling adjustments would require comprehensive review to understand their impacts before considering implementation in the IRM

Case <i>–with expected & indicative modeling adjustments</i>	EOP Activations	Notes
2022 Approved IRM FBC	38	Final Base Case as approved by the EC on Nov. 10
2022 IRM FBC with MARS ELR Model	24	ELR Sensitivity on the 2022 IRM FBC
* ELR Sensitivity + Removing Large New Load in Zone A/C	16	145 MW in Zone A, 50 MW in Zone C are removed from the load shape
* 2022 IRM FBC + Relaxing West Central constraints	10	Increase the flow limit into West NY; impact on the IRM is expected
* 2022 IRM FBC + Allowing import before EOP	1	Advance the Emergency Assistance (EA) from the externals; expect significant IRM impact

* Indicative of Zone A and Zone B capacity deficiencies absent EOP activations

Questions?

Our mission, in collaboration with our stakeholders, is to serve the public interest and provide benefit to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policymakers, stakeholders and investors in the power system

