PMU Resilience Plan Update

12/11/2018 Operating Committee Meeting
12/13/2018 Planning Committee Meeting

Shaun Murphy
Synchrophasor Project Manager
PJM’s Use of Synchrophasor Data

Current
• Oscillation Detection
• Post-Event Analysis
• Generator Model Validation

Future
• Backup IROL Monitoring
• System Island Detection
• Event Detection
• Automated Model Validation
• Backup ACE Monitoring
RTEP project(s) to install / retrofit PMUs for IROL monitoring:
• (Estimated) 14 PMU Installations
• (Estimated) 4 PMU Modifications
• This will support IROL backup in M01

Initiate discussion in Planning Committee:
• TSS standard for new substations and major construction projects to include PMU installation for:
  – Bus voltage monitoring
  – Line flow monitoring