PUBLIC UTILITIES



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PUBLIC UTILITIES



- 1. RPU previously identified key issues
- 2. Deployed µPMUs at key feeders
- 3. Utilized µPMU data to improve accuracy of the distribution model
- 4. Utilized validated distribution model to determine the impact of the high penetration PV
- 5. Evaluate results to determine if previous assumptions were accurate

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HIGH-PENETRATION PV IMPACT		
Assumptions	Validation	Correction
Overload Equipment	Validated	Load Transfer
Reverse Power-Flow	Validated	Additional Load to Offset PV
Voltage Rise/Variations	Validated	Evaluating Voltage Regulation Equipment
Frequent Operation of Voltage Control Devices	Validated	Change Control Settings, Relocate and/or Remove Equipment
Mis-coordination of protective	No Occurrence	Upgrade to Digital Relays

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