



Home Area Network Gateway as an Alternative Metering Solution

**DRS Subcommittee, May 9th, 2022
PJM Demand Response Operations**



- Background:
 - Utility AMI meters have ability to measure/record sub-hourly intervals but utilities typically only capture/retain hourly intervals
 - Sub-hourly example: Synch Reserve Market participation where 1 minute intervals are required.
 - Typically Pulse Data Recorders used to capture sub-hourly intervals
 - (KYZ Pulse output required on meter)
- Problem:
 - Utility deploys AMI meters without KYZ Pulse outputs
 - PDR cannot be used
- Home Area Network Gateways:
 - Device (wireless) to receive sub-hourly intervals from AMI meter
 - Utility approved devices/authentication
 - Must meet PJM Tariff protocol of 2% error over metering system