

# Home Area Network Gateway as an Alternative Metering Solution

**DRS Subcommittee, May 9<sup>th</sup>, 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