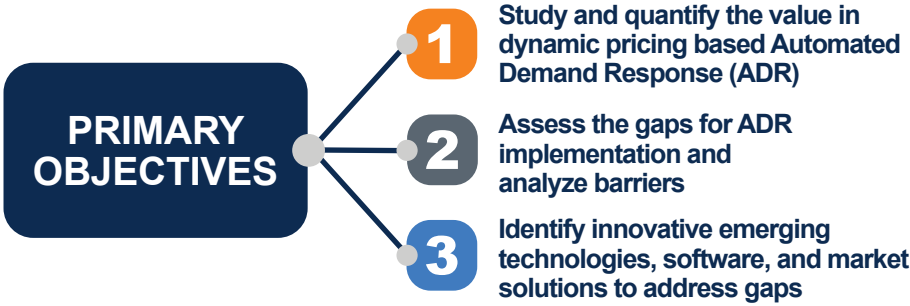


FLEXIBLE DR INTEGRATION

OPPORTUNITY

What is the purpose of this project?



Evaluations Completed:
Review of high-level capabilities of three communication protocols

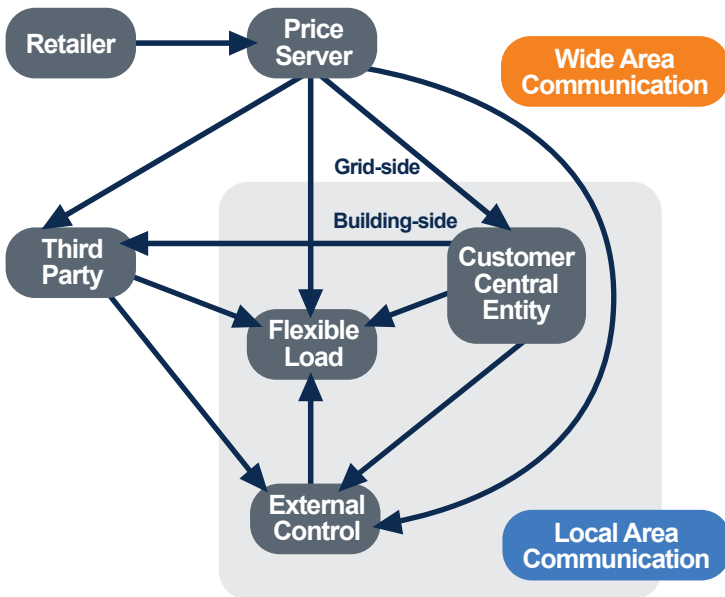


ADR HAS THREE KEY COMPONENTS:

- 1 Retailer sets the price to best meet its revenue and operational needs
- 2 Prices are transmitted from retailer to the customer load or DER as a controlling device
- 3 Load-controllers/DERs use the prices with other data to decide how to operate. Load shift or load shed in response to the transmitted price garner cost savings to customers.

CONCLUSIONS

What were the major conclusions from the project?



Identified 11 Tariff Features intersecting price communication for automated DR:

Easily Adapted	Simple Adaptation
TOU, CPP RTP Sub-Tariffs Eligibility	Differential Buy/Sell Prices Voltage/Phase Discounts



A Price-Based Grid Coordination (PBGC) communication architecture enables diverse communication paths, multiple sites of translating prices to functional control, and offers significant opportunities for flexibility while maximizing interoperability.