FINDINGS APRIL 2022 MOSAIC GARDEN BATTERY CONTROL AND OPTIMIZATION

OPPORTUNITY

What is the purpose of this project?



Demonstrate how customer storage can be leveraged

Quantify impacts to customers

Quantify impacts to grid stakeholders

INSTALLATION OF 60 kW BATTERY ENERGY STORAGE SYSTEM (BESS) AND 34 kW AC TOTAL POWER CAPACITY SOLAR ARRAYS FOR LOW-INCOME COMMUNITY

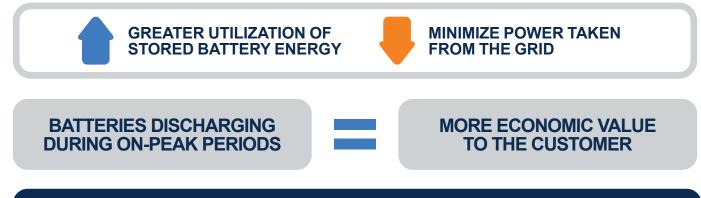
CAN PV-PAIRED BATTERY SYSTEMS:

- Create incremental grid value in locations with demonstrated needs
- Create incremental customer value above the typical use for PV-paired battery systems
- Provide "stacked value" benefit streams with solar plus storage and how those benefit streams can impact customer awareness of PV-paired battery systems

CONCLUSIONS

What were the major conclusions from the project?

TOU AND SELF-SUPPLY BATTERY MODES WITH EFFECTIVE LOAD MONITORING ALLOW:



COLLABORATION OF BACKUP LOAD DESIGN WITH BESS IMPLEMENTATION CREATES STACKED BENEFITS OF OUTAGE RESILIENCE AND LOWER PEAK GRID DEMAND