

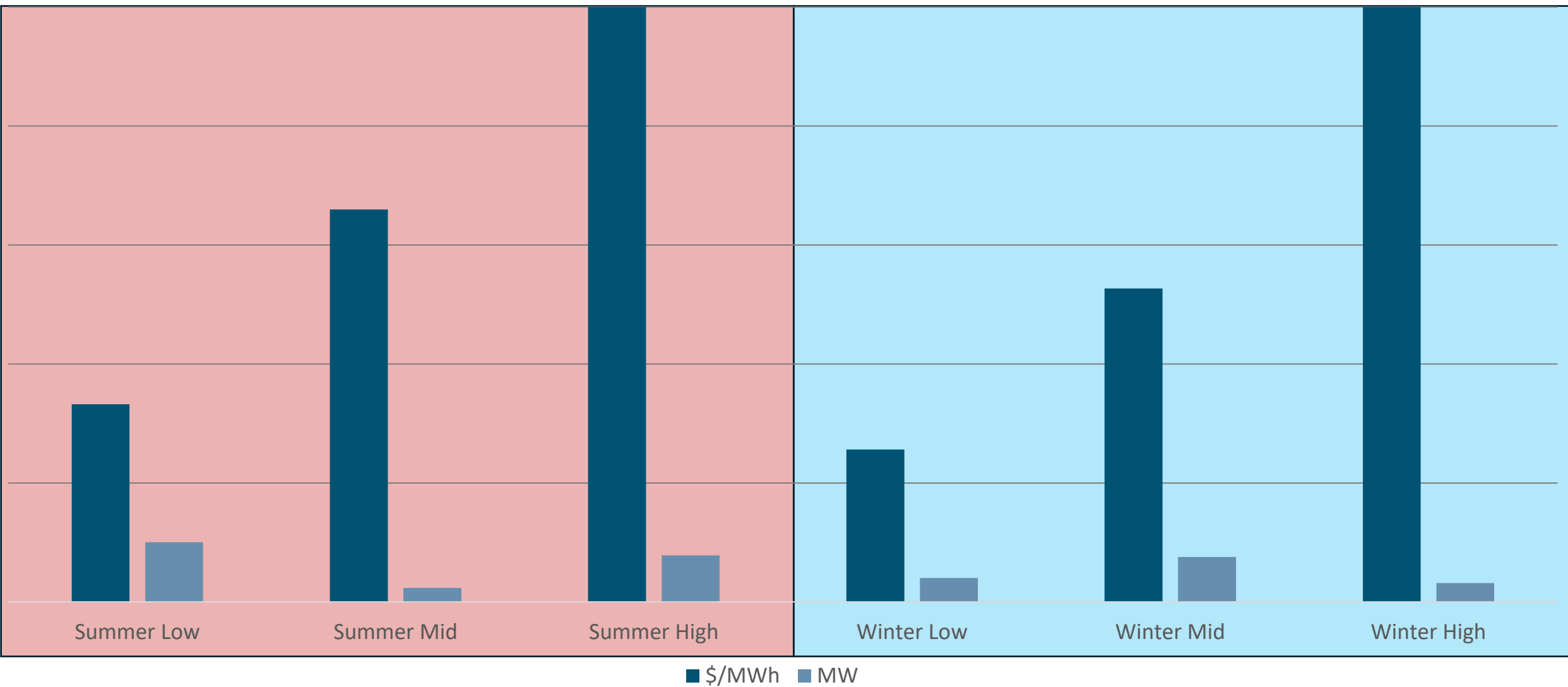
Energy Efficiency and Demand Response Modeling Recommendations



Jared Hansen, Resource Planning Leader

Nov. 14, 2024

Energy Efficiency Measures – Cost and Potential



2023 IRP Demand Response Buckets

Current DR Programs Expansion

Irrigation Peak Rewards

A/C Cool Credit

Flex Peak

Bring Your Own Thermostat

Commercial Smart Thermostat

Commercial Cooling Switch

Storage Programs

Thermal Energy Storage

Water Heater (DLC)

Water Heater (Grid Enabled)

Battery Energy Storage

EV Charging Switch

Time of Use Programs

Critical Peak Pricing

Time of Use

Real-Time Pricing

2025 IRP Demand Response Buckets



2025 IRP DR Modeling Constraints

Current DR Programs Expansion

10 MW per year

90 MW Total

Selectable
Starting in 2029

Storage Programs

5 MW per year

55 MW Total

Selectable
Starting in 2030