UT Energy Week 2018
PEC Battery Energy Storage Solution Project (BESS)

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The Battery Energy Storage System (BESS) Project Benefits

• Hedge cost of PEC Ancillary Service Obligation* with self procured storage
• Energy usage shifting helps avoid peak energy pricing
• Flexible design configuration allows for shifting BESS to offset 4CP fees if optimal
• Learn from project and apply knowledge to enhance system reliability, support member projects, and defer distribution infrastructure capital projects

*Ancillary Service Obligation is mandatory as an ERCOT Load Serving Entity (LSE)
Sample Day for BESS

**FRRS** (Fast Responding Regulation Service) – Performed at all other hours.

**Charge** – BESS charges from wholesale electricity rates during off-peak. Starts two hours before the Shift.

**Load Shift** – Sell 2 hr of wholesale energy during peaks times.

**RRS** (Responsive Reserves Service) – Offset charge during near-peak (covers 50% of charging cost). Duration: 1 hr (after Shift)