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Evaluating the Potential Benefits of Electrical Energy Storage: Sterling Municipal Light Department

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Project Goals and Results

- Evaluate the potential benefits of electrical energy storage for the Sterling Municipal Light Department. This includes:
 1. Arbitrage
 2. Frequency Regulation
 3. Resiliency
 4. Reduction in monthly peaks (RNS fees)
 5. Reduction in annual peaks (FCM payment)
- The three largest potential revenue streams are:
 - Frequency regulation
 - Reduction in RNS fees (monthly peaks)
 - Reduction in FCM payments (annual peaks)
- Arbitrage is more synergistic with the other two peak shaving applications
- Presented results at the 2017 IEEE PES GM