

Scalable, Parallel Stochastic Unit Commitment for Improved Day-Ahead and Reliability Operations

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- Goals:
 - Execute *stochastic* unit commitment (UC) **at scale, on real-world data sets, in tractable run-times, with error bounds**
 - Demonstrate **cost savings on an ISO-scale system at high renewables penetration levels**
- CPS:
 - Use of advance computational tools to coordinate power generation in a more efficient and robust way.
 - Position the generation fleet (and smart grid technologies) to better respond to uncertainty (e.g., renewables, outages)