ES-Select™ - An Energy Storage Selection Tool

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Why?
- Decision makers need a reasonable estimate for storage characteristics rather than an elusive “it depends”
- Decision makers need a tool that is simple while reasonably accurate for their analysis
- There is a need for a tool to identify the feasible energy storage options
- There is a need for guidelines on how to combine multiple applications and estimate the total value of a storage device

What?
- ES-Select provides the first step to determine the technologies that could economically address grid issues: removes the uncertainty and hesitation associated with new technology adoption.
- Informs decision makers about the value of energy storage technologies and how they compare to one another:
  - Understand and accurately compare the costs and benefits of various energy storage technologies
  - Identify & compare applicable energy storage parameters
  - Develop a preliminary business case for specific applications
  - Educate potential owners, electric system stakeholders and the general public on energy storage technologies

In a step-by-step interactive manner, ES-Select identifies and compares the feasible Energy Storage (ES) options for different grid uses

1. Select a grid location for deploying ES

2. Select the main or first use

3. Select additional uses to be bundled

4. Select from suggested feasible ES options

5. Select economic and technical parameters for graphic comparison and sensitivity analyses