ES-Select™ - An Energy Storage Selection Tool

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Why?

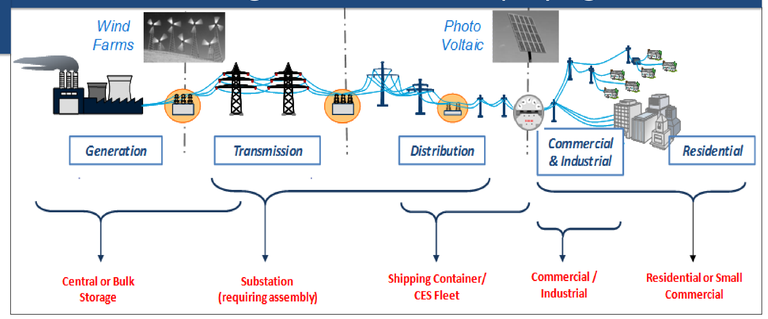
- Decision makers need a reasonable estimate for storage characteristics rather than an elusive "it depends"
- Decision makers need a tool that is simple while reasonably accurate for their analysis
- There is a need for a tool to identify the feasible energy storage options
- There is a need for guidelines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

What?

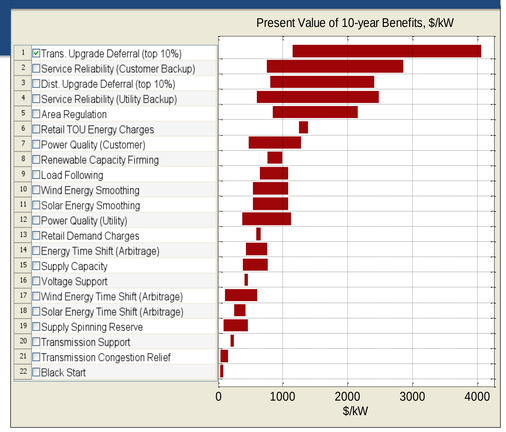
- ES-Select provides the first step to determine the technologies that could economically address grid issues: removes the uncertainty and hesitation associated with new technology adoption.
- Informs decision makers about the value of energy storage technologies and how they compare to one another:
  - 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

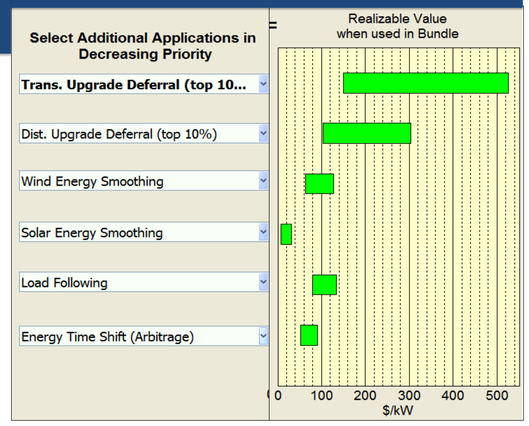
1 Select a grid location for deploying ES



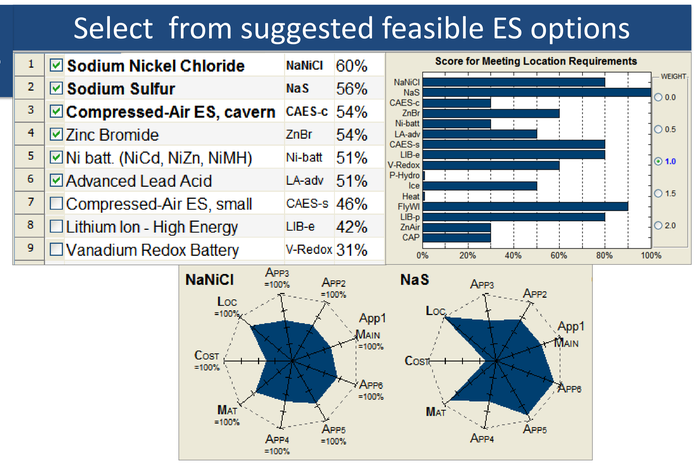
2 Select the main or first use



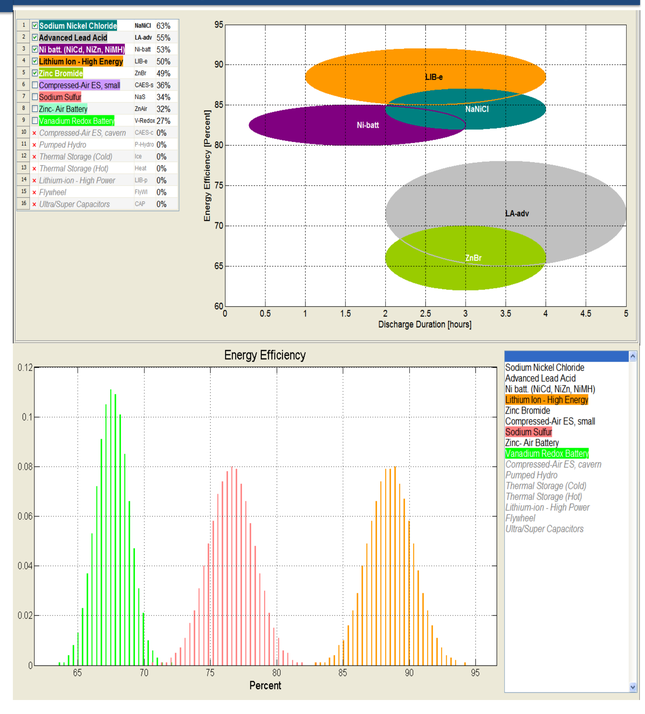
3 Select additional uses to be bundled



4 Select from suggested feasible ES options



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



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