

Regulatory Research and Outreach

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Topic: Regulatory
Verticals: Analytics, Safety and Reliability
Strategic Pathways: Stabilize, Optimize, and Grow
Project start and finish: Ongoing

PROBLEM

State agencies (utility commissions, energy offices, executive and legislative staff) and the public play important roles in energy storage deployment, but they often lack access to objective data and analysis tailored to their needs.

By providing research and analysis that is **objective** and **practical**, we assist these groups in developing tailored solutions to support energy storage that consider the needs and objectives of their local jurisdiction.

APPROACH

National laboratories are uniquely suited to provide the objectivity and expertise required to support these groups. Figure 1 illustrates our approach:

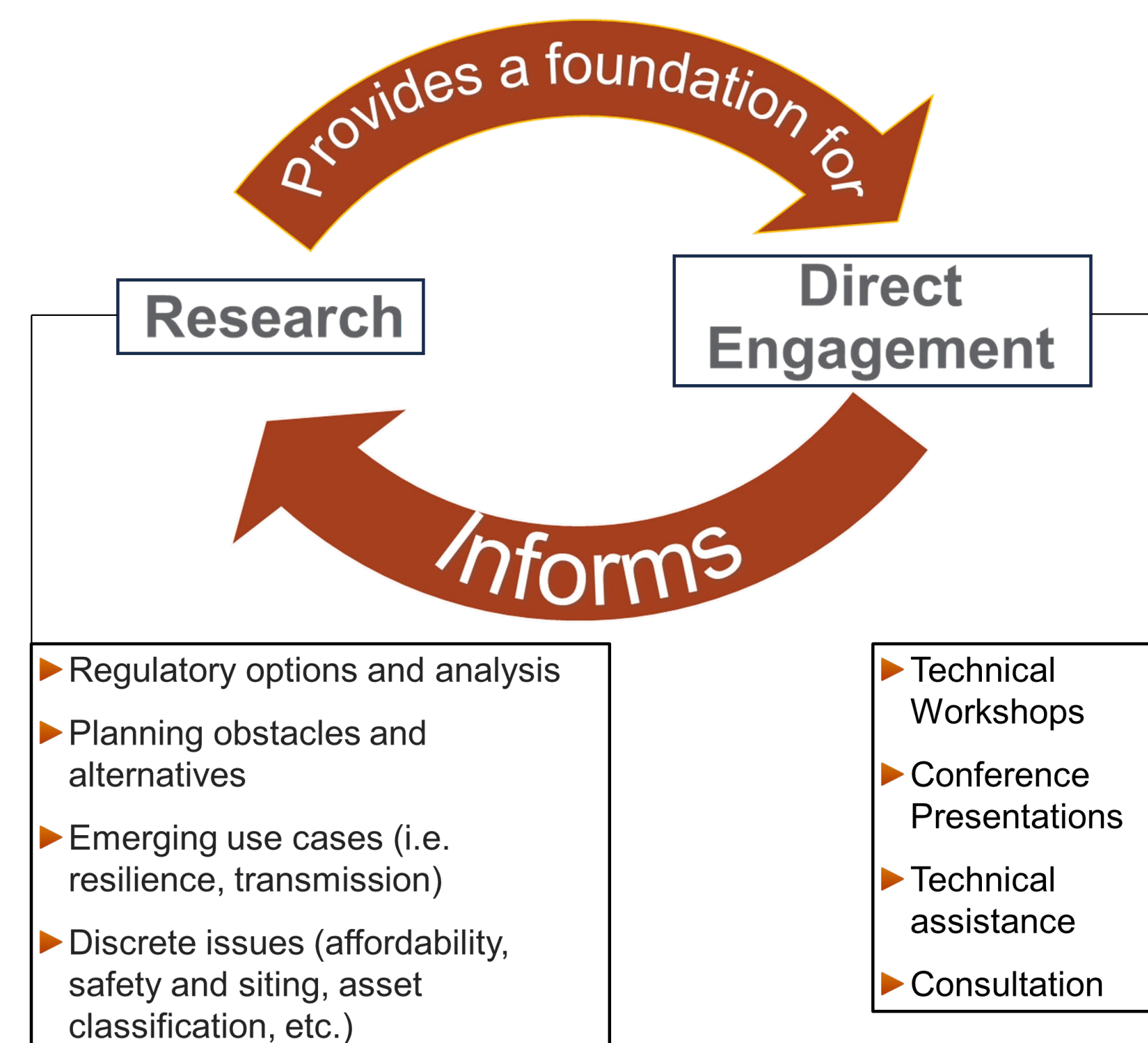


Fig. 1. Program model for regulatory research and outreach

FY26 CONTRIBUTIONS

Publications:

- Change Agent: Energy as a Driver of Regulatory Evolution: Summarizes the ways in which the unique capabilities of energy storage are enabling significant regulatory changes that have far-reaching impacts for all technologies.
- Benefits of Energy Storage for Washington, D.C.: Analysis done for the Washington, D.C. energy office to quantify the potential for energy storage to reduce increasing energy costs. We are working on a broader version of the paper to study these benefits on a larger scale across various jurisdictions.

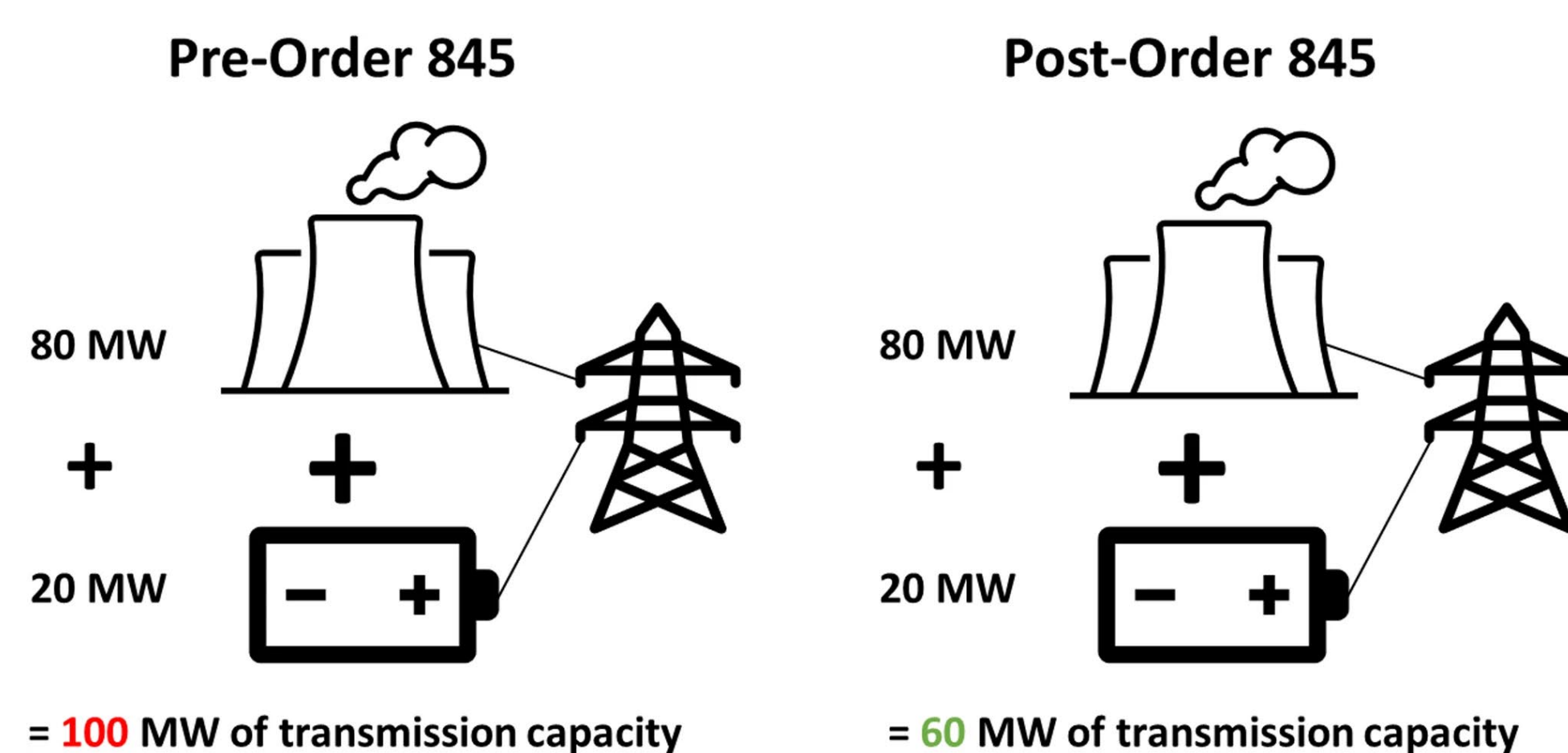


Fig. 2. FERC Order 845 is one way that energy storage is enabling major regulatory change

State Assistance:

- Maryland: Assisted Maryland Public Service Commission staff in reviewing energy storage procurement program plans filed by utilities, including drafting data requests and developing a scoring rubric to facilitate staff review. We also summarized similar programs from other states.
- Iowa, North Carolina, South Carolina: Supported the Iowa and Carolinas cohorts of the Reliable Energy Siting through Technical Engagement and Planning (R-STEP) with presentations and consultation.
- Legislative Energy Horizons Institute: Provide an overview of energy storage technologies and state approaches to supporting them at an annual meeting of staff from state legislative staff from across the country.

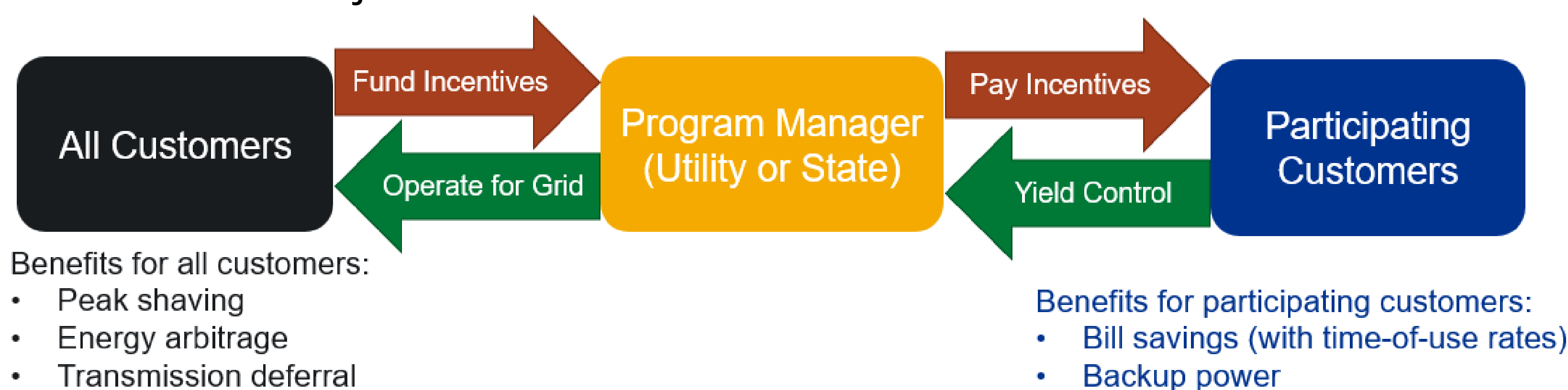


Fig. 3: Benefits of behind-the-meter energy storage programs

This material is based upon work supported by the U.S. Department of Energy, Office of Electricity (OE), Energy Storage Division.