

Panel 6: Utilities and the Future

As connected devices become ubiquitous and the quantity of variable generation on the power grid increases, it is important for the grid to coordinate operations with loads. Historically, this was done through simplistic demand response programs. However, in the future, it is important to make grid integration seamless and minimize the impact on customers' lives to enable wide-scale adoption.

This panel will explore quantifying system value of grid-interactive and efficient building (GEB) systems; establishing the reliability and firmness of behind-the-meter assets to the customer and to the grid operators; quantifying the impact of flexible loads on the distribution system; mitigating the need for and/or replacing peaker plants with distributed assets, on a reliable and quantifiable basis at scale; market, technological, and regulatory barriers to the integration of customer-sited assets.