INDUSTRY SUMMER STUDY TRACK DESCRIPTIONS

TRACK 4: Energy System Transitions

Track Leaders: Adam Agalloco, ICF | Walker Larsen, CEE

Industry and manufacturing account for roughly a third of all energy used in the United States, relying primarily on natural gas, petroleum, and electricity for the thermal and mechanical energy needed to support the sector. All energy systems are under stress, from the electricity system facing unprecedented load growth to the gas system seeing exports of 15% of production combined with massive new onsite generation. Infrastructure costs continue to rise. In this environment, facilities are seeking the best energy options, to balance costs and comply with local, regional, and national policies.

This track will explore how the industrial sector is balancing energy affordability and reliability with load growth, energy supply chain constraints, and policy directives, to maintain a competitive advantage and enhance the US industrial economy. Topics to be explored may include:

- Public policy and electrification impacts on industrial sector load growth, energy affordability, and reliability
- Impact of data centers on industrial energy use
- Energy supply chain forecasts
- Energy efficiency as non-wire or non-pipeline alternatives
- Low carbon fuels & energy sources
- The future of fossil energy in the industrial sector