



The Mercury Consortium is an independent 501(c)(6) organization, initiated by EPRI and Kraken in 2024, and incorporated in 2025. This initiative aims to establish guidelines and best practices to accelerate the adoption and impact of clean energy technologies to make grids more resilient and efficient to operate.

## Shaping the Future of Consumer Device Interoperability

Mercury is a collaborative, non-profit initiative bringing together manufacturers, utilities, regulators, and tech providers. Our mission is to develop and promote guidelines for consumer devices—such as EVs, heat pumps, residential batteries, and smart thermostats—to integrate into energy systems to advance grid edge functionality while expanding customer choice and driving energy affordability for all.

### Objectives

- Establish technical guidelines for interoperability and functionality to support grids.
- Develop a certification/compliance body to certify compatible devices.
- Foster collaboration to drive broad industry adoption.
- Promote consumer participation in demand flexibility.
- Maximize the benefits of smart-grid investments.

### Key Benefits

- **Consumer Centric:** Consumers are the most important stakeholder in the energy transition, Mercury removes one of the elements causing friction that slowed consumer engagement.
- **Cost Savings:** Higher demand-side participation reduces the need for costly grid expansion and reliance on costlier methods of balancing grids.
- **Grid Resilience:** Consumer flexibility strengthens resilience against extreme weather events and ensures grid reliability.

## Consortium Member Categories



### Manufacturers

(EV, chargers, heat pumps, batteries)



### Associations and Regulators



### Utilities

(distribution utilities, customer-serving utilities, distribution and transmission operators)



### Technology Providers

Sign up to learn more, visit: <https://msites.epri.com/mercury-consortium>