

What's in it for End Users?

Many cities, states, utilities, and private companies are seeking resilient, reliable power sources and are establishing goals to reduce their carbon footprint. This workshop is being organized to establish connections between energy users and developers of advanced nuclear energy systems. The model of nuclear energy as a large, centralized source of baseload electricity is changing. Next generation nuclear technology developers are focusing on small, modular, and transportable systems that could have a footprint as small as one acre, and emergency planning zones that extend only to the site boundary—supporting a new paradigm in how nuclear systems are sited. Microreactors, which could provide power ranging from a few kWe to tens of MWe, could be commercially demonstrated as soon as 2023, and small modular reactors, ranging from tens of MWe to 300 MWe and available in single unit or multi-modular platforms, could first be deployed in the U.S. in 2026. The versatility of these systems could support industrial heat and steam needs in addition to electricity demand in a cost-effective, reliable package.

This workshop provides a non-public forum to discuss the requirements, considerations, and concerns that go into energy system planning at your facilities, such that these needs can be reflected within advanced nuclear system designs. The advanced nuclear community is focused on providing affordable, reliable options that can be deployed in the near term. In addition, you will have the opportunity to learn about some of the exciting new carbon-free nuclear energy systems being developed. We recognize that nuclear energy may not have been considered in meeting your energy needs in the past, and it may or may not meet your needs in the future, but we encourage you to participate and help shape the future.