SOLUTION AT A GLANCE: MICROGRID INSTALLATION DATABASE

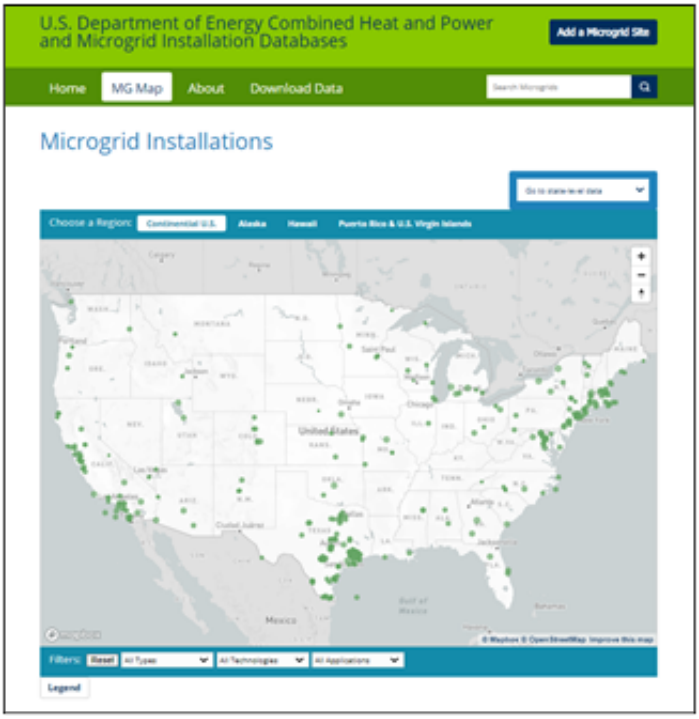
BARRIER
Identifying or evaluating energy-saving technologies

TOOL TYPE
Map

TECHNOLOGY
Combined Heat and Power System, Energy Management Systems, Automation, Controls, Renewable Energy, Energy Storage, Solar PV, Resilience

OVERVIEW
The Microgrid Installation Database is a data collection effort sponsored by the U.S. Department of Energy and maintained by ICF. The database contains a comprehensive listing of microgrid installations throughout the country. Combined heat and power (CHP) can play a central role in microgrids by providing energy resilience and ensuring continuous operation for critical loads at connected buildings, campuses, and communities in the event of grid outages. ICF tracks microgrids according to the DOE definition: a network of distributed energy resources and loads that can disconnect and re-connect to the larger utility grid as a single entity, allowing the connected loads to continue to be served during utility outages. Microgrids can also be found in remote locations where they may not be connected to a larger utility grid. The database includes microgrids that use multiple technologies and/or deliver electricity to multiple buildings.

The U.S. Department of Energy Microgrid Installation Database is designed to provide straightforward information about operational microgrids in the United States. The information is presented in tabular format, with each state having its own table of microgrid systems including site name, location, end-user application, generation capacity, storage capacity, operating year, and technologies. Maintenance of this database is supported by the U.S. Department of Energy. It is updated monthly and is composed of information from a variety of sources.


U.S. Department of Energy Combined Heat and Power and Microgrid Installation Databases
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