



NRC NEWS

Office of Public Affairs, Headquarters



Washington, DC. 20555-0001
www.nrc.gov ■ opa.resource@nrc.gov

No: 25-036

June 18, 2025

CONTACT: [Scott Burnell](#), 301-415-8200

NRC Advances Factory-Built Microreactor Policy

The Nuclear Regulatory Commission has [decided](#) on three policy matters to enable new ways of deploying microreactors. These very small reactors could be built, loaded with fuel, and tested at factories before being shipped to operating sites, and would generate about one percent or less of the power of a current large reactor.

The Commission's first decision is that a factory-fabricated microreactor loaded with fuel may be excluded from being "in operation" if it has features to prevent a nuclear chain reaction. The second decision is that a microreactor with features to prevent a chain reaction may be loaded with fuel at a factory if it is done under an NRC license that allows possession of the fuel. The third decision is that the NRC staff may apply regulations for nonpower reactors to authorize testing of a microreactor at a factory before it is shipped to an operating site.

The Commission also directed the staff to continue other microreactor-related activities, such as engaging with Department of Energy/Defense efforts to build and operate microreactors on DOE/DOD sites or as part of critical national security infrastructure. This engagement aims to identify and implement licensing process efficiencies, consistent with the ADVANCE Act and relevant executive orders, to streamline the transition of microreactor technology to the commercial sector.

The NRC staff's [integrated microreactor activities plan](#) has additional details on the agency's regulatory activities.