

12-6-2023

Small Modular Nuclear Reactors (SMRs): Development of Small Nuclear Reactors (SMRs) to Supplement Power Needs

Owen Moss
Boise State University

Riley Schrock
Boise State University

Chad Rietze
Boise State University

Jake West
Boise State University

Deanna Baldwin
Boise State University

See next page for additional authors

Small Modular Nuclear Reactors (SMRs): Development of Small Nuclear Reactors (SMRs) to Supplement Power Needs

Abstract

- Small Modular Reactor (SMR) is a small nuclear reactor that can operate as part of or independently of the electrical grid system
- 100 to 1,000 times smaller than typical nuclear reactors
- Modular and easily transportable
- Reliable and operationally flexible

Comments

This research was funded by the National Science Foundation, Award Number: 2221665.

Authors

Owen Moss, Riley Schrock, Chad Rietze, Jake West, Deanna Baldwin, Brianna Brown, Enrique Ayala Gonzalez, Joseph Mondragon, and Gwen White

