



NUSCALE™
Power for all humankind

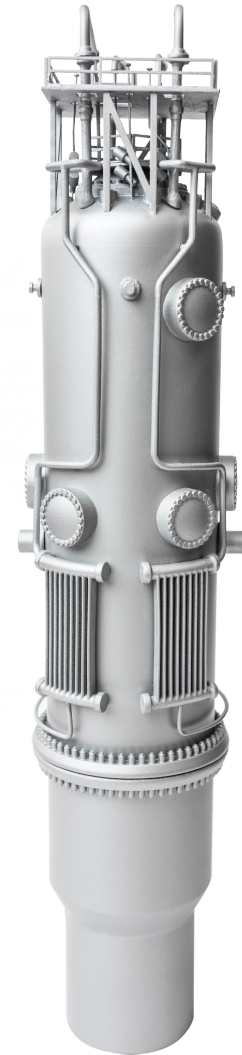
NuScale Power Overview

May 12, 2021

Chris Colbert
Chief Strategy and Financial Officer

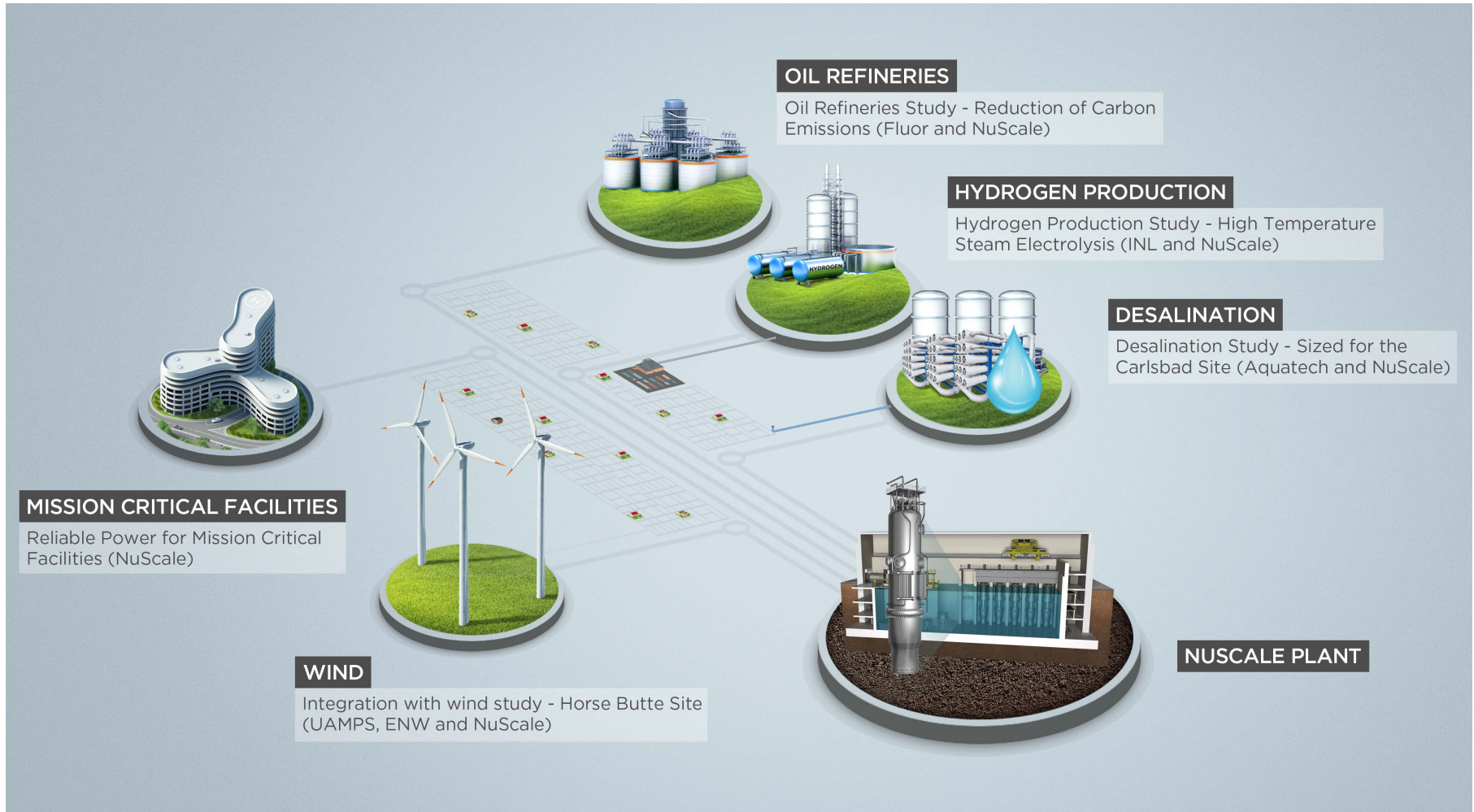
Who is NuScale Power?

- NuScale has developed a groundbreaking small modular reactor (SMR)
 - A fully factory-fabricated NuScale Power Module™ capable of generating 77 MW of electricity
- In August 2020, NuScale received approval of its Design Certification Application from the NRC – the first and only SMR to ever do so
- The NuScale plant is the only near-term deployable and commercially viable advanced nuclear generation solution for states across the country that seek a reliable, safe, and carbon-free solution



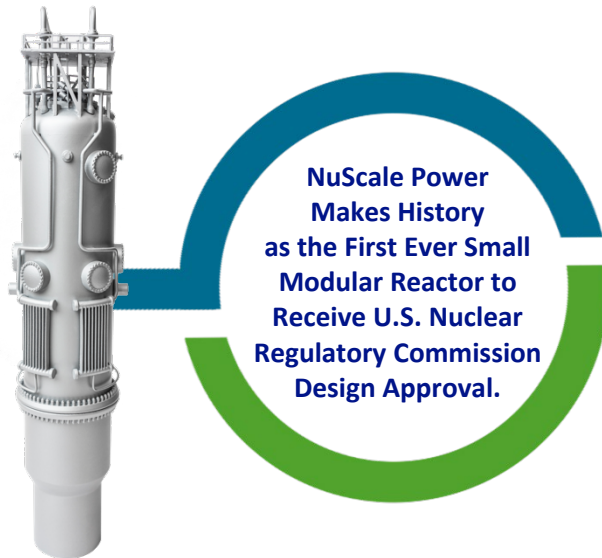
Beyond Baseload: NuScale Diverse Energy Platform

MORE THAN RELIABLE BASELOAD AND LOAD-FOLLOWING ELECTRICITY GENERATION



First SMR to Undergo Licensing in the U.S.

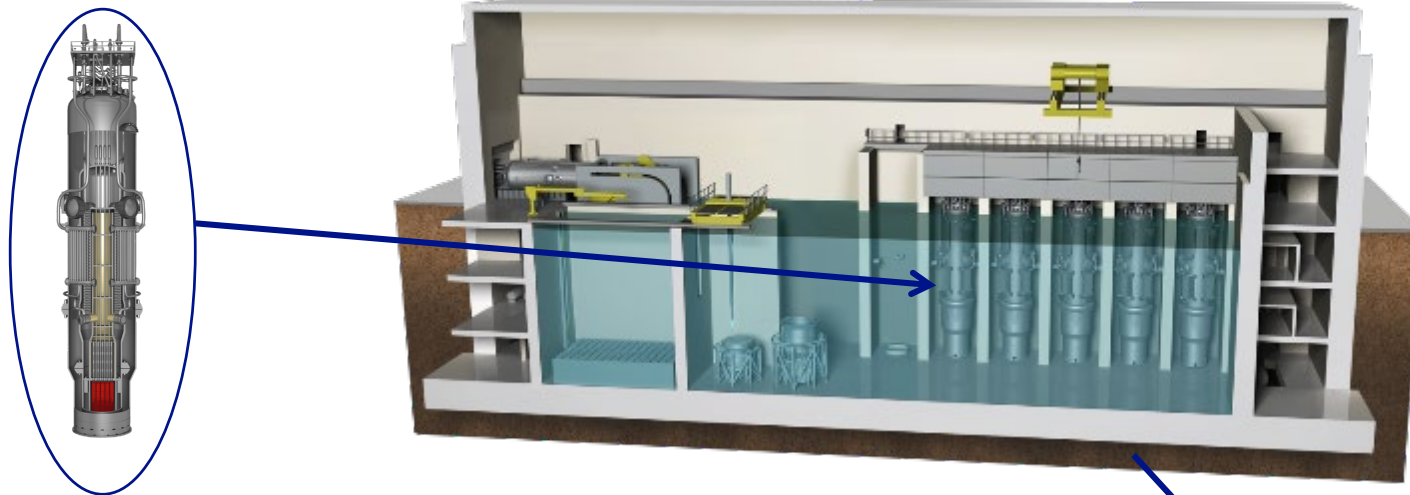
- Design Certification Application (DCA) completed in December 2016.
- Docketed and review commenced by U.S. Nuclear Regulatory Commission (NRC) in March 2017.
- NuScale received standard design approval in September 2020.
- Final Rule Publication Date: March 22, 2022.



DCA Statistics

- **12,000+** pages
- **14** Topical Reports
- **>2 million** labor hours
- **>800** people
- **>50** supplier/partners
- Over **\$500M**

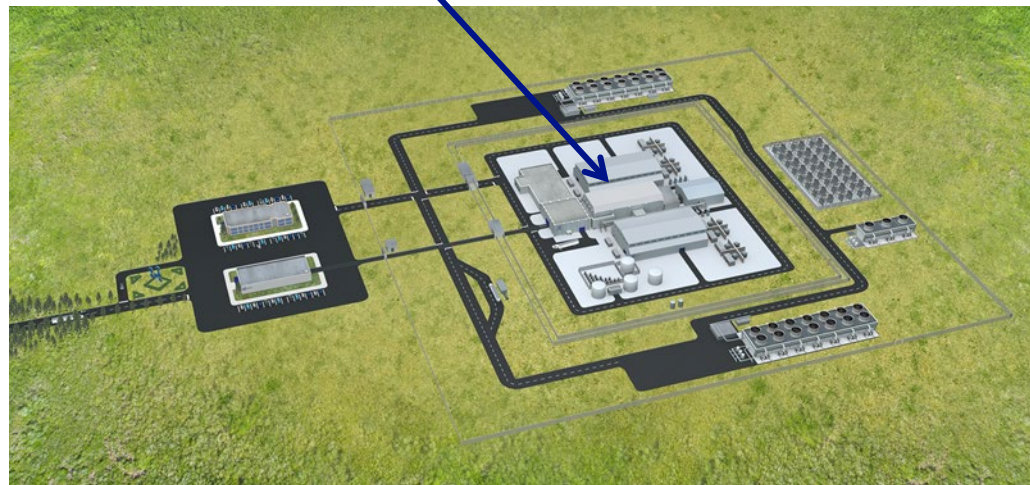
NuScale Advanced Small Reactor Overview



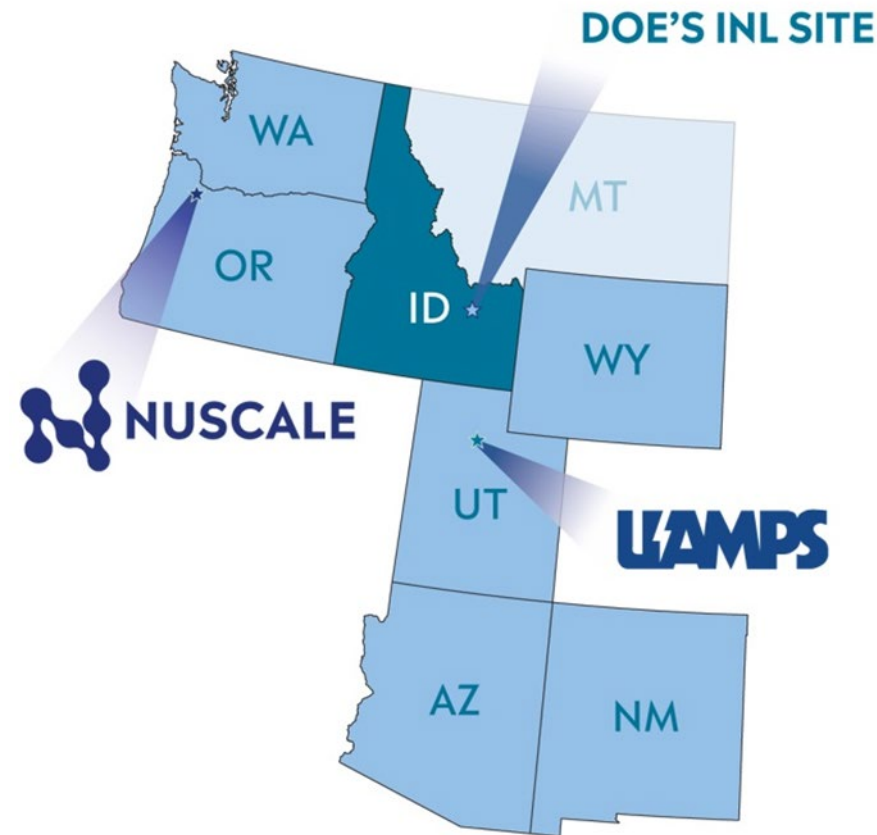
NuScale Plant can safely shut down with:

- No operator or computer actions
- No AC/DC power
- No additional water

Emergency planning zone (EPZ) ends at site boundary

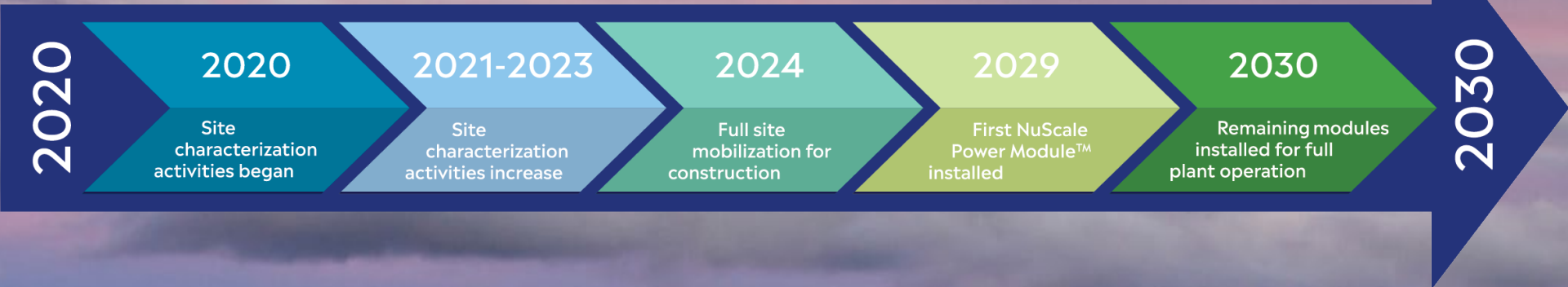


First Deployment: UAMPS Carbon Free Power Project



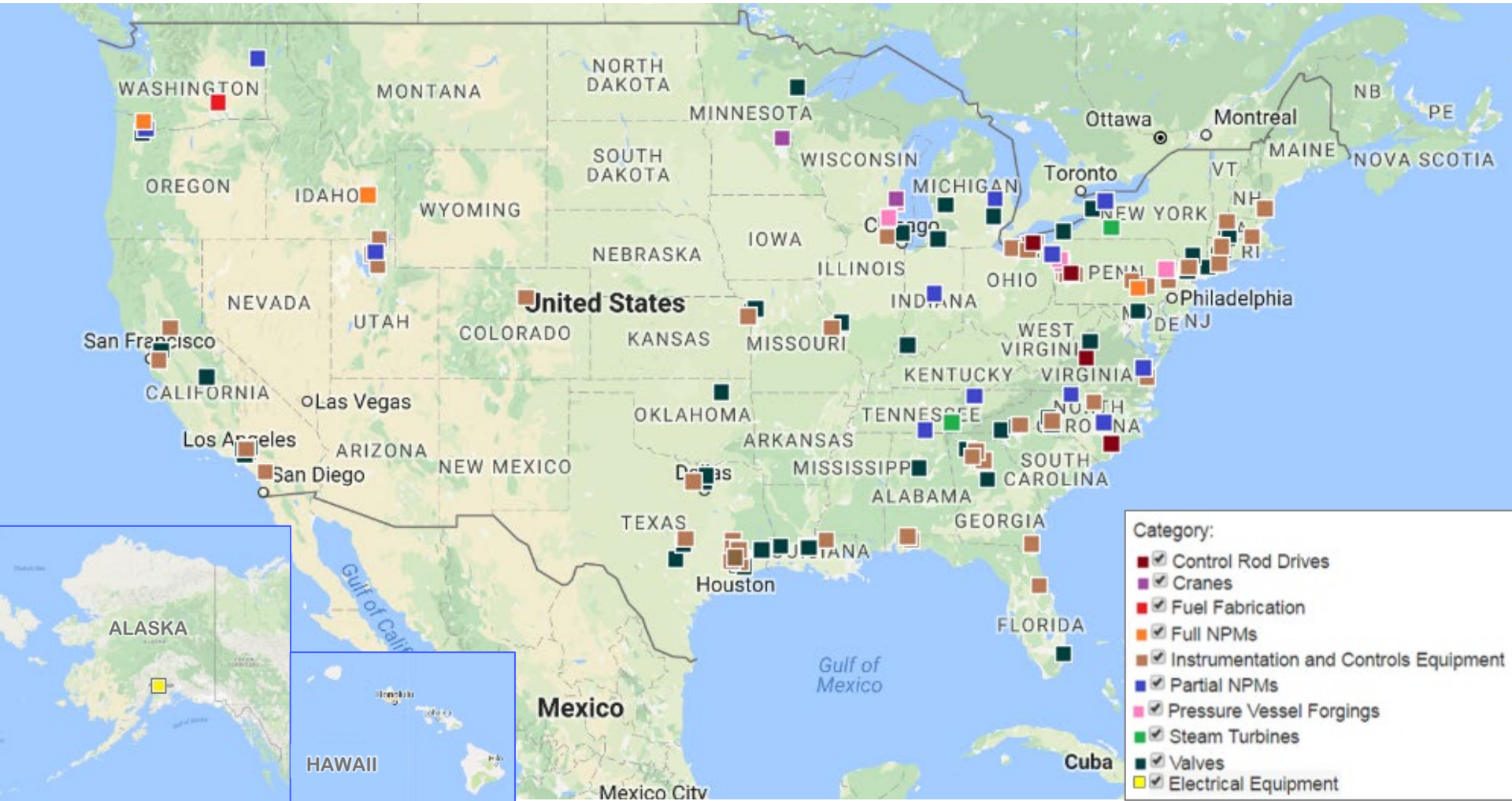
- NuScale is the first and only SMR design in the United States to have a secured and signed an agreement with a utility customer.
- Utah Associated Municipal Power Systems (UAMPS) provides energy services to community-owned power systems throughout the Intermountain West
- UAMPS is replacing 700 MW of coal-fired electricity generation
- First deployment will be sited at the Idaho National Laboratory (INL), slated for commercial operation in 2029-2030
- DOE awarded \$1.35 billion over ten years in 2020 for development and construction and to financially de-risk the project
- 2020 UAMPS signs agreements with NuScale and Fluor to construct CFPP
- 2021 UAMPS approves CFPP project and begins NRC Combined Operating License work

Carbon Free Power Project (CFPP) Timeline

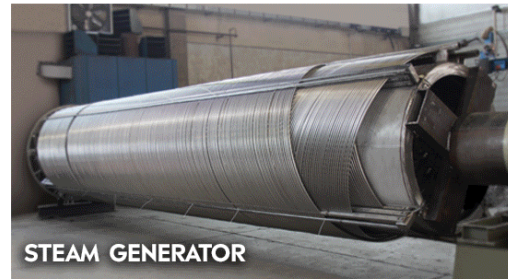


Artistic concept of the NuScale Power Plant

Potential Manufacturing Supplier Locations



Significant supply chain development for manufacturing and deployment



The domestic supply chain for manufacturing 36 modules (3 plants) per year could generate about 13,500 direct jobs.

Community Benefits

- Each NuScale Plant will employ about **270 people full-time**, with 1,200 peak construction jobs.
- Permanent nuclear power station positions have relatively high incomes, which boost the sales of goods, services, and real estate in the area.
- For example, NuScale's first plant owned by public power consortium UAMPS in Idaho will have a **significant positive economic impact in the region***:
 - Construction could increase state and local tax revenues by nearly \$37 million
 - Once built, ongoing operations will add \$48 million to local labor income each year
 - Operations could add nearly \$3 million to local and state tax revenues annually



Artistic concept of the NuScale Power Plant

*Source: Study by Regional Economic Development for East Idaho (REDI)

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Public-Private Partnership with DOE

- The NuScale SMR concept began in 2000 with a small U.S. DOE grant at Oregon State University
- Fluor purchased NuScale in 2011, and has invested over \$600 million in the technology to date
- First announced in 2013, NuScale received \$224M as part of a cost share agreement with the DOE. This grant accelerated design, testing and licensing work.
- In 2020 DOE awarded a new cost-share award of \$263M for NuScale that will complete the NuScale design
- In 2020, DOE awarded a \$1.35 billion over 10 years cost shared grant to the Utah Associated Municipal Power Systems to build the first NuScale plant at the Idaho National Laboratory.



NuScale Engineering Offices Corvallis



One-third Scale NIST-2 Test Facility



NuScale Control Room Simulator



Changing the Power that Changes the World