



**NUSCALE**™  
Power for all humankind

## NuScale Power

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Oregon House Energy and  
Environment Committee

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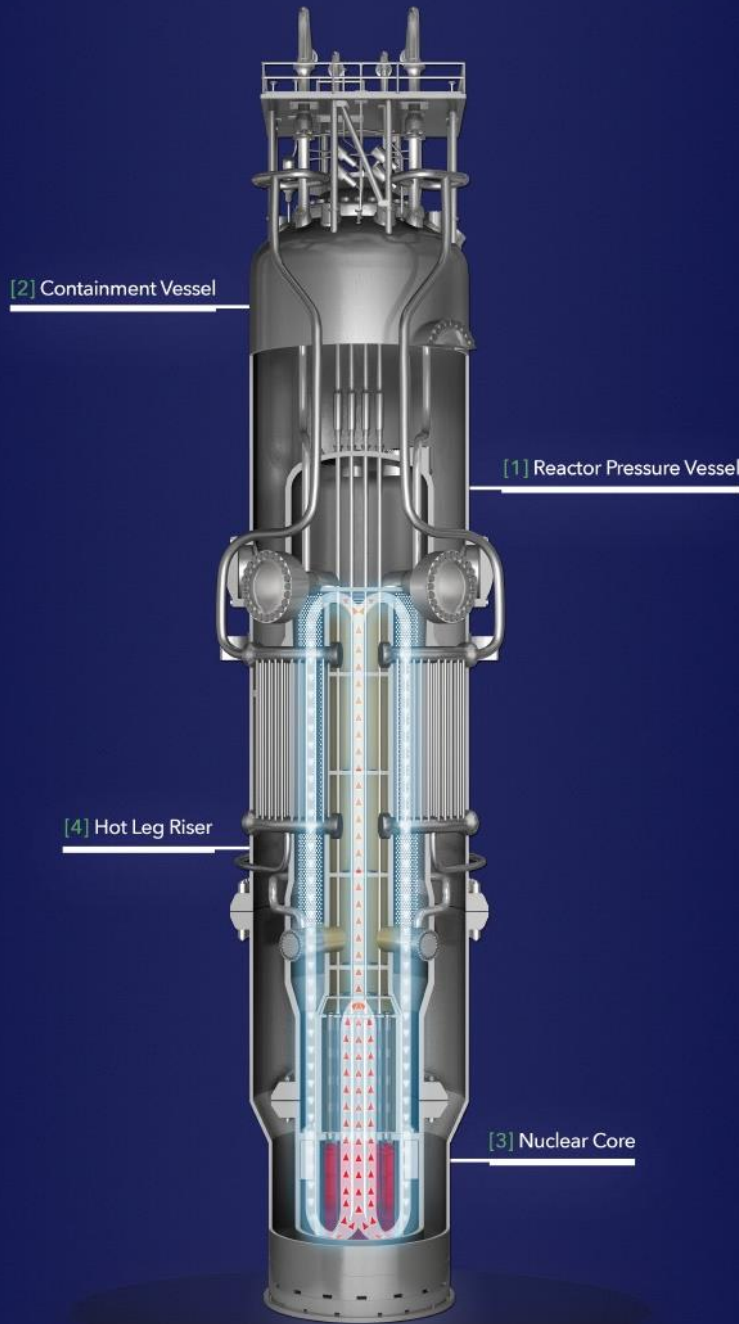
## NuScale Update

NuScale Power provides scalable advanced nuclear technology for the production of electricity, heat, and clean water to **improve the quality of life for people around the world.**

- **1<sup>st</sup> Small Modular Reactor to earn US NRC Design Approval in Aug 2020.**
  - No AC/DC power required for safety
- \$1B private/public investment to date
- 427 Employees in five US offices and one office in London
- 530 patents pending or granted in 20 countries.
- Completed >\$100M in test programs
- First project is the UAMPS Carbon Free Power Project in Idaho (2029 COD).

## NuScale Technology Update

- A **NuScale Power Module™ (NPM)** includes the reactor vessel, steam generators, pressurizer, and containment in an **integral package**.
- Each module produces **up to 77 Mwe, with Three Product Offerings:**
  - 12-pack (924 MWe)
  - 6-pack (462 MWe)
  - 4-pack (308 MWe)
- Blackstart Capability, Island Mode, “First Responder Power.”
- Three Types of Load Following of Renewables
- Enhanced Seismic and Severe Weather Event Protection
- Sized for Coal-Fired Plant Site Repurposing
- Carbon Free Hydrogen Production and Desalination
- New 1-10 MWe Heat Pipe Reactor Concept





# Any Questions

