



SMR Technology: Powering the Future of PNW Data Centers

Advanced nuclear technology has a promising future for the expanding data center needs across the Pacific Northwest.

Data Centers in The Pacific Northwest

Driven by data centers and semiconductors:

Pacific Northwest electricity demand is set to grow 25% in the next 10 years.



Data center capacity in the Pacific Northwest could hit 4,000 MW before 2030.

There are approximately 237 data centers in the Pacific Northwest.



Oregon



Washington



Benefits of Small Modular Reactors (SMRs) vs. Traditional Reactors

Modern nuclear power can produce scalable energy infrastructure for data centers while serving sustainability goals.



Can be combined with renewables and fossil energy to improve efficiency, produce multiple energy products, and enhance grid stability.



Only require refueling every 3 to 7 years, or in some cases, 30



Parts are factory-made and shipped to site, reducing build time and upfront costs



Provide power for applications where large plants are not needed



SMRs have passive (inherent) safety systems, with a simpler design