

Nuclear-Powered Clean Energy in Washington State

Here's how Washington is leading the way in nuclear energy expertise and innovation to power our nation's clean energy future.



Washington Industry Supports

7 U.S.

new nuclear technology developers

Clean Energy Supplier Alliance

Washington's nuclear displaces
~4.4 million
metric tons of CO₂

from entering the atmosphere annually

Equals the carbon released by ~778,000 cars each year

Columbia Generating Station

Washington Made

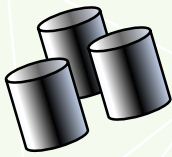


1st

U.S. industry-led supply chain cluster

to support deployment of advanced nuclear reactors

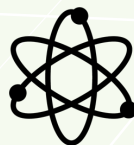
Clean Energy Supplier Alliance



Nuclear fuel fabricated here generates
5% of all U.S. electricity

Equals 50% of all U.S. carbon-free electricity produced from clean energy sources

Framatome Nuclear Fuel Manufacturing Facility



Home to

1 of only 2 operating nuclear power plants on the West Coast

Columbia Generating Station

HOME TO

3

next-generation nuclear technology companies

TerraPower & Ultra Safe Nuclear – plus, NuScale Power has a major presence here



3 Advanced Reactor

Demonstration Projects are located in our region

X-energy, TerraPower & NuScale Power



10% of Washington's electricity

Columbia Generating Station



Discovering solutions for
nuclear & other carbon-free energy systems

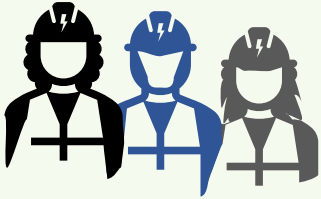
Washington State University Tri-Cities Institute for Northwest Energy Futures

VERTical
INNOVATION CLUSTER

Accelerating the Transition to Advanced Clean Energy Technologies

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and innovation to power our nation's clean energy future.



Home to

premier nuclear-skilled

trades apprenticeship programs

Plumbers & Steamfitters Local 598,
Central Washington Building &
Construction Trades and Washington
State STEM Education Foundation K-12



Graduating tomorrow's nuclear engineering & science professionals

Washington State University



Nuclear Uniform Curriculum Program

offering nationally-recognized non-
licensed operator, instrument
& control technician, and radiation
protection technician degrees

Columbia Basin College



fusion energy technology developers are based in Washington

Zap Energy, Helion, Angi Fusion,
Avalanche Energy & CTFusion



GREENEST STATE

Nuclear energy contributes to
Washington's top ranking

Consumer Affairs



Washington leads the nation in transitioning to

100%

clean energy

Washington Clean Energy
Transformation Act



Accelerating the Transition to
Advanced Clean Energy Technologies