

CLEAN TECHNOLOGY

The clean technology sector is thriving in the Greater Portland region. Built on a community culture of innovation and sustainability, and fostered by a supportive and aligned legislative and business environment, the region continues to attract the best talent and pioneering companies in clean tech. Access to natural resources provides unparalleled quality of life and inspires world-changing solutions.

Greater Portland's clean tech strengths



ENERGY STORAGE INNOVATION

Energy storage is a key emerging technology for further growth of the clean tech ecosystem. In Wilsonville, ESS Inc.'s iron flow battery enables firms and utilities to store renewable energy until needed. In Beaverton, Polaris Battery Labs helps companies develop the next generation of Lithium-ion batteries.



ENERGY-EFFICIENT ENGINEERING SERVICES

The Greater Portland region is a national leader in green building. The region is at the forefront of the cross-laminated timber building movement, and LEED-certified structures are commonplace. Some local builders go a step further, installing innovative systems like chilled concrete slabs in lieu of air conditioning.



ENERGY SOFTWARE

This is a rapidly growing space for both consumers and industry. This developing market, home to companies such as CLEAResult and Iotas, leverages Portland's emerging clean tech venture investments and highly specialized academic programs.

A GROWING CLUSTER

28,805

Employees in Greater Portland working in clean tech

1,896

Establishments in Greater Portland specializing in clean tech

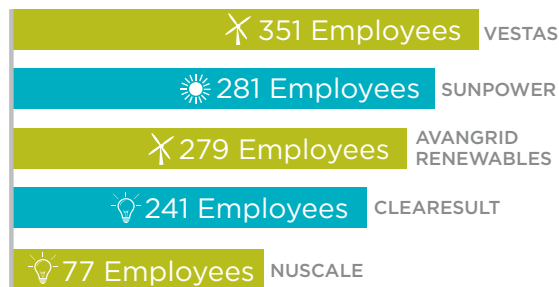
—Esri

TALENT + WORKFORCE

The Portland region boasts the second-largest renewable workforce on the West Coast, and the Oregon Institute of Technology is the first institute in the nation to offer bachelor's and master's degrees in renewable energy.



TOP PORTLAND METRO EMPLOYERS



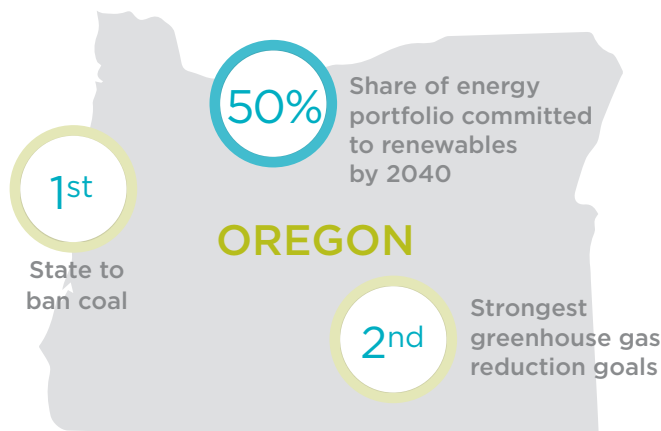
—PBJ Book of Lists

Excelling in Clean Energy

Oregon Incentives

ENERGY TRUST OF OREGON

The Energy Trust of Oregon provides various cash incentives for energy efficiency and solar installations. Customers of all five utilities pay a small, dedicated percentage of their utility bills to support a variety of energy-efficiency and renewable energy services and programs in Oregon and Southwest Washington.



Incentives offered in Oregon:



Energy Loan Program



Residential Energy Tax Credits

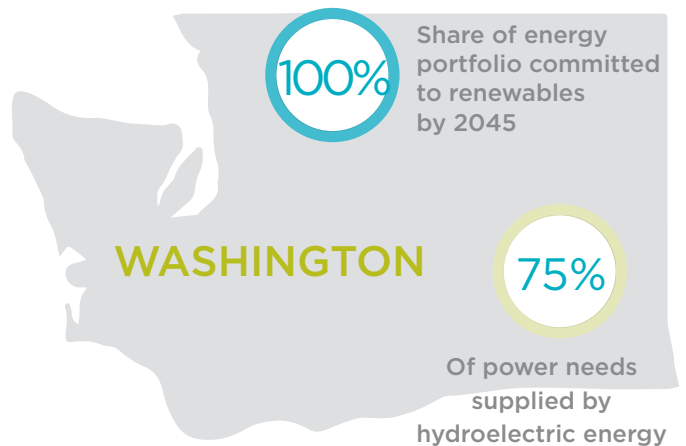


Energy Incentive Programs

Washington Incentives

CLEAN ENERGY FUND

The Clean Energy Fund enables a mix of projects to support development, demonstration and deployment of renewable technologies. They save energy, reduce energy costs and harmful air emissions, and increase energy independence for Washington State.



Grants issued in Washington for:



Research, Development & Demonstration



Energy Revolving Loans



Grid Modernization

CASCADIA CLEANTECH ACCELERATOR

Cascadia CleanTech Accelerator is a business accelerator program powered by the CleanTech Alliance and VertueLab (formerly Oregon BEST). The 15-week program delivers mentorship, curricula, connections and funding opportunities designed specifically for early-stage clean tech startups.

“Pacific Northwest cleantech accelerator lands federal funds for expansion”

—Portland Business Journal



Green Technologies for Good

CLEAN TECH ECOSYSTEM

Industry Clusters

CASCADIA CLEANTECH ACCELERATOR ALUMNI

EasyXAFS
HydroStar
Imber Water Treatment
Limon Engineering
Möbius Microfarms
SmartVineyards

ENERGY SUPPLY CHAIN

Cascade Controls
Eaton
Obvius (Levitin)
Veris (Schneider)
US Digital

ENERGY EFFICIENCY

Cascade Energy
Cadmus
CLEAResult
Ecova
Energy Trust of Oregon
Enhabit
NW Energy Efficiency Alliance
Pacific Energy Ventures
Pacific Light Technologies
Research into Action

ENERGY SOFTWARE + DATA ANALYTICS

Building Energy
Iotas
Pneu Logic
Qualitrol

WATER FILTRATION + MANAGEMENT

Clarus Water
Evoqua Water Technologies
Freshwater Trust
Puralytics
Stevens Water

RENEWABLE ENERGY MANUFACTURING + DEVELOPMENT

AvanGrid Renewables
Blue Earth
CDS Nano
Columbia Power
Echemion
EDP Renewables
EDF Renewables
Energy Storage Systems
Equilibrium Capital
ESS Inc.
HM3
Lucid Energy
NextEra
Novasis Energy
NuScale Power
Pacific Light Technologies
Polaris Battery Labs
ReGeneracy365
SunPower
Vestas

ENERGY + GREEN BUILDING STANDARD- SETTING ORGANIZATIONS

Earth Advantage
Ecodistricts
EPEAT
GreenGrid
International Living Future Institute
/ Living Building Challenge
New Buildings Institute

—Clean Edge



GREEN BUILDING EXPERTS

Blokable
Columbia Vista Corporation
CH2M
David Evans
Gerding Edlen
Glumac
Sera Architects
ZGF





SUCCESS STORIES

SMART AUTONOMOUS VEHICLES INITIATIVE

The City of Portland recognized that autonomous vehicles have the potential to be a truly transformative technology. In April 2017, the City announced the Smart Autonomous Vehicles Initiative, which allows for implementation, testing and piloting of this technology, while advancing public safety, protecting of the environment, and transportation access for everyone, regardless of income. Today, companies like Jaguar, Land Rover and Daimler Trucks North America (pictured above) are actively researching and developing autonomous vehicles in the region.

LUCID ENERGY HYDRO POWER GENERATION

Portland-based Lucid Energy has created a hydroelectric power generation system that uses the flow of water to spin turbines inside the pipe, thus generating power.



MEET THE TEAM



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