

# Clean Energy Fund

## Impacts in Eastern Washington

### CLEAN ENERGY FUND IN ACTION

### CEF INVESTS IN INNOVATIVE TECHNOLOGIES AND RD&D

**Avista's Energy Storage project** in Pullman is testing new batteries that can store power when it's abundant, and distribute energy when it's needed, providing reliable energy regardless of weather patterns. The goal of the project is to explore how energy storage can help our electrical grid become more flexible, reliable, and resilient. When the project went online in 2015, it was the largest-capacity, vanadium-flow battery system in North America and Europe. The one-megawatt, 3.2 MWh large-scale battery storage system has the capacity to power 750 homes for 3.2 hours.

#### Avista

**Mission Statement:** Avista is an energy company involved in the production, transmission and distribution of energy as well as other energy-related businesses.

**Location:** Based in Spokane, Washington, Avista has a service area that covers 30,000 square miles across four states.

**Legislative Districts of Projects:** 9 and 3

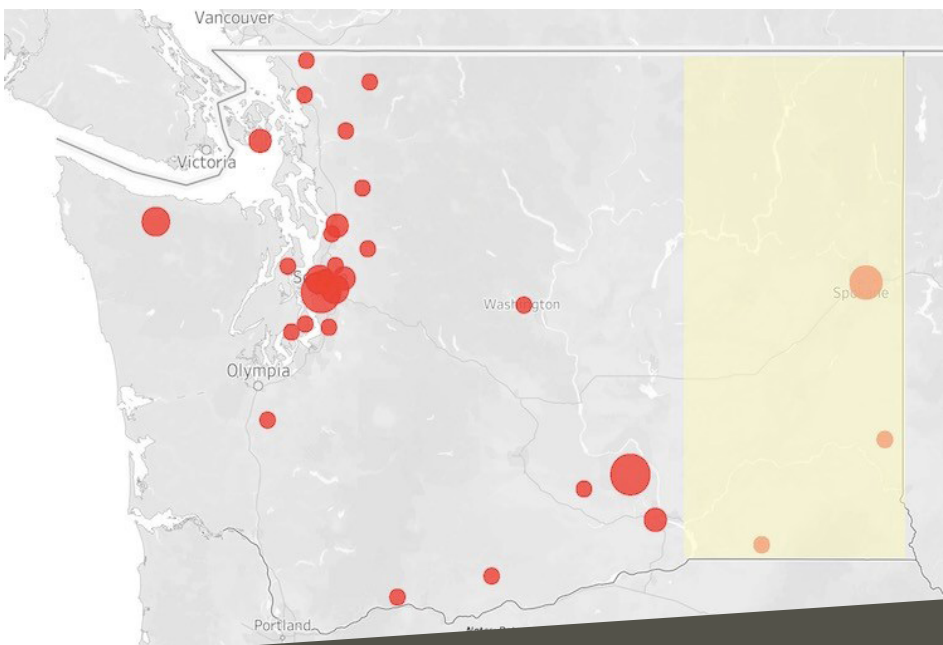
**Number of Employees:** 1,982 employees

**Customers Served:** Avista provides electricity to nearly 340,000 customers and natural gas to about 300,000 customers

**Total Match to CEF funded project(s):** \$16,018,494



CleanTech Alliance™



**Number of CEF projects in the Region:** 5

**CEF State Investment in the Region:** \$103,430,00

**Private Funds Leveraged:** \$177,800,000

Map dots are centered on the reported ZIP Code of the project and thus are not representative of the exact project location. Multiple projects within a single ZIP Code are represented by larger dots. Map does not include all Clean Energy Fund projects or the sites of consumer or commercial investments facilitated by grantees under the Energy Revolving Loan Fund program.

Washington State University, in partnership with the Pacific Northwest National Lab (PNNL) received funding for their **Clean Energy and Transactive Campus project** in CEF1. The project created a modern, intelligent electrical communication system that changed the way consumers interacted with their utility by providing smooth, stable and predictable control of smart assets via a regional renewables integration resource and R&D testbed.

#### **Washington State University (WSU)**

##### **Mission Statement:**

WSU's mission is

- To advance knowledge through creative research and scholarship across a wide range of academic disciplines.
- To extend knowledge through innovative educational programs in which emerging scholars are mentored to realize their highest potential and assume roles of leadership, responsibility, and service to society.
- To apply knowledge through local and global engagement that will improve quality of life and enhance the economy of the state, nation, and world.

**Location:** WSU has academic campuses located in Pullman, Spokane, Tri-Cities, Vancouver, and Everett, Washington, research and extension centers located in Puyallup, Mount Vernon, Wenatchee and Prosser, and extension offices located in all 39 counties in Washington.

**Legislative District of Project:** 9

**Number of Employees:** Over 10,000

**Research Funding:** In 2018, WSU had \$360.5 million in research expenditures

**Total Match to CEF funded project(s):** \$2.25 million match provided by PNNL

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## **ADDITIONAL PROJECT SPONSORS WITHIN THE REGION**

#### **Demand Energy (Enel X)**

**Mission Statement:** Sustainability, innovation and digitalization are transforming the energy sector. The mission of Enel X is to become a global producer of sustainable, innovative and simple technology solutions

**Location:** Based in Liberty Lake, Washington

**Legislative District of Project:** 3

**Number of Employees:** Approximately 30

**Funding:** They received an estimated \$11.5 million in funding

**Total Match to CEF funded project(s):** \$1,249,782

#### **Spokane Eco**

**Mission Statement:** The mission is to promote and encourage sustainable living practices and environmental stewardship. Spokane Eco strives to be the premiere source in Spokane for all products and solutions to save the environment and customer energy costs.

**Location:** Spokane, Washington

**Legislative District of Project:** 3

**Number of Employees:** Three employees

**Annual Revenue:** Approximately \$1 million

**Total Match to CEF funded project(s):** \$515,790