

Clean Energy Fund

Impacts in Northwest Washington

CLEAN ENERGY FUND IN ACTION

CEF INVESTS IN INNOVATIVE TECHNOLOGIES AND RD&D

The **Orcas Power and Light Co-Op (OPALCO) grant** will help fund integration of a 0.5 MW (or 2 mWh) vanadium flow battery into OPALCO's grid, to condition and time-shift community solar array output, improve load shape, absorb sudden spikes in energy demand, and backup critical substation and fiber optic systems. This will help the co-op save money and improve grid reliability. The energy storage and community solar systems on Decatur Island generate seven discreet benefits to OPALCO: demand charge reduction, load shaping charge reduction, transmission charge reduction, transmission deferral, energy cost reduction, Volt-VAR/CVR, and outage mitigation.

Orcas Power and Light Co-op (OPALCO) Mission Statement: Orcas Power & Light Cooperative (OPALCO) serves its membership with safe, reliable, sustainable and cost effective essential utility services with a commitment to the utilization of renewable resources and carbon reduction.

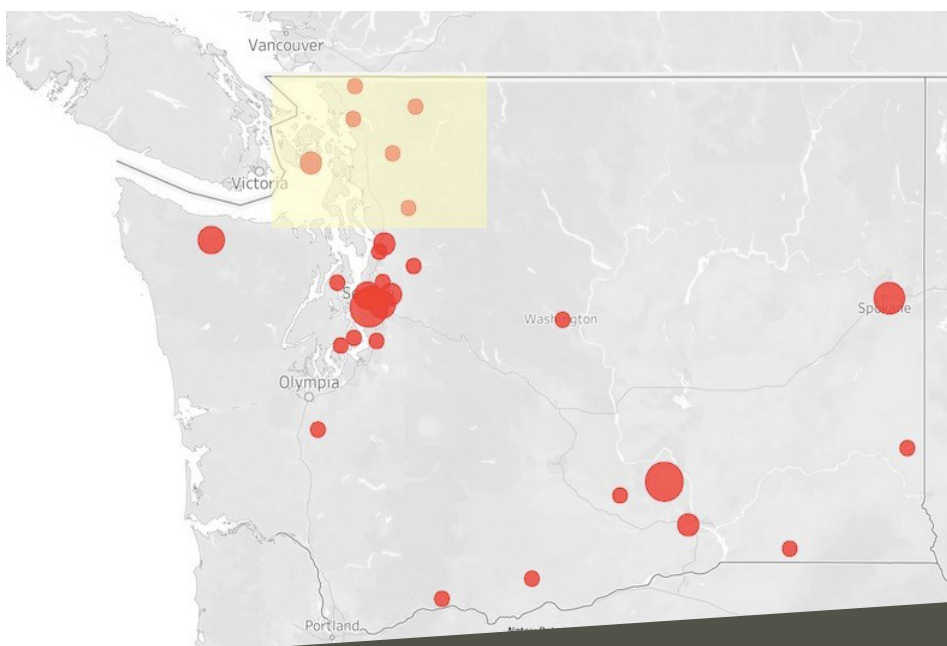
Location: They have offices in Eastsound, Friday Harbor, and Lopez Island, Washington but provide service to over 20 of the San Juan Islands.

Legislative District of Projects: 40

Number of Employees: 51 employees

Customers Served: 11,316

Total Match to CEF funded project(s):
\$3,600,000



Number of CEF projects in the Region: 7

CEF State Investment in the Region: \$11,450,000

Private Funds Leveraged:
\$30,838,000

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.

Edaleen Dairy received CEF funding for an advanced solids and nutrient recovery system that converts cow manure into fertilizer and cow bedding. The project demonstrated and evaluated an emerging technology that extracts up to 35% nitrogen and 90% phosphorus from cattle waste. The opportunity to develop value-added products, such as fertilizers from waste, represents a major benefit to the dairy industry across the state and the nation.

Edaleen Dairy

Mission Statement: Edaleen Dairy takes great pride in their dairy farm and dairy products and believes that a great dairy product starts with taking care of both their cows and their land.

Location: Lynden, Washington

Legislative District of Project: 42

Number of Employees: Six employees working on the Cow Power project, 65 full-time and 50 part-time employees at Edaleen Dairy

Annual Revenue: \$344,649 in estimated annual revenue

Total Match to CEF funded project(s): \$303,732

ADDITIONAL PROJECT SPONSORS WITHIN THE REGION

Snohomish Public Utility District (SnoPUD)

Mission Statement: Snohomish County PUD is a municipal corporation of the state of Washington, formed by a majority vote of the people for the purpose of providing electric and/or water utility service.

Location: Headquartered in Everett, Washington, its service territory covers over 2,200 square miles, including all of Snohomish County and Camano Island.

Legislative Districts of Projects: 38 and 39

Number of Employees: 1,005 employees

Customers Served: Over 350,000 electric customers and about 21,000 water customers

Total Match to CEF funded project(s): \$24,943,420

Puget Sound Energy (PSE)

Mission Statement: PSE's focus is on safe, reliable, affordable energy service. They have a 145-year legacy of providing a commitment to great customer service and helping to make the communities it serves better places to live and work.

Location: Their headquarters is in Bellevue, Washington and its service area covers 6,000 square miles in Western Washington. The CEF project they helped to fund was in Tenino, Washington.

Legislative District of Project: 42

Number of Employees: 3,100 employees

Customers Served: Approximately 1.1 million electric and 840,000 natural gas customers.

Total Match to CEF funded project(s): \$10,224,374

Janicki Bioenergy

Mission Statement: Janicki Industries is a privately-owned engineering and manufacturing company, specializing in advance composite materials and exotic metals, with large-scale facilities and high precision equipment that produces parts and tools for a myriad of industries.

Location: Janicki has facilities in Sedro-Woolley, Hamilton, and Everett, Washington

Legislative District of Project: 39

Number of Employees: 55 employees as of 2018

Annual Revenue: Janicki generates an estimated annual revenue of \$5.3 million