



*CE is seeking educator leaders to become Pacific Northwest Clean Energy Fellows for the 2021-22 cohort, developing regionally- specific and justice-centered Action Plans to broaden student access to the clean energy economy.*

# PACIFIC NORTHWEST CLEAN ENERGY FELLOWS

## *Program details*

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## ABOUT CE

CE is a national clean energy, career connected education program from Bonneville Environmental Foundation. Together with schools, educators and industry, we strive to build a clean energy future to ensure that our communities and the environment are thriving and resilient. We focus on solutions-oriented energy education that engages industry, is driven by equity, and seeks to amplify local leadership. We work to expand access to opportunities for all students regardless of their geography, gender, race, ethnicity, or socioeconomic status.

CE is funded by corporations, regional utilities, and philanthropic organizations. To date, our funders have impacted more than 250,000 students nationwide through CE programming.

## CE'S CLEAN ENERGY FELLOWS

CE is committed to transforming education for the next ten years through fostering sustained educator leadership. To successfully transition to an equitable and clean energy economy, we must set up all students for success, as they will be the future energy leaders and solutions architects. CE's Clean Energy Fellows programs are designed to harness the genius of both educators and students to support this next generation of leaders. Clean Energy Fellows facilitate the delivery of justice-centered, career-connected programming that eliminates barriers for students that are unrelated to their actual potential for success.

2021-2022 will see the launch of three Fellows cohorts: The Pacific Northwest Clean Energy Fellows, and the industry-specific EV and Water Power Fellows cohorts. While these cohorts differ in their intended impact and focus, each of them aligns the needs of students, industry partners, local communities, and the education system to deliver the highest impact with the highest likelihood for longevity.

All Clean Energy Fellows operate as part of a growing national collaborative of energy education leaders. However, as a regionally-focused Fellows program, the Pacific Northwest Clean Energy Fellows focus on building their students' capacity to lead and transform the energy system of the Pacific Northwest through local and regional action. See below for details.

## CE JUSTICE STATEMENT

CE is committed to ensuring all students have access to opportunities in energy. As such, we have developed a [Justice Statement](#) that highlights our approach and actions in our equity and justice work in this program.

## CE'S PEDAGOGY PHILOSOPHY

CE's [Pedagogical Foundations document](#) highlights CE's approach to curriculum development in more depth. CE strives to embody the best practice and most equitable pedagogies to ensure that all students have access to future energy careers and leadership opportunities. CE engages with the following approaches:

- Three-Dimensional Learning (as modeled by Next Generation Science Standards)
- Justice-Centered
- Culturally-Sustaining
- Critical Skills Development
- Real World Context
- Locally-Relevant Phenomena and Problems
- Industry-Informed and Career-Connected learning

## PACIFIC NORTHWEST REGIONAL CLEAN ENERGY FELLOWS COHORT

This cohort, consisting of leaders from across the Pacific Northwest, will find ways to reimagine how educators can build student access to and influence on the local energy landscape through a regional Action Plan. Each Fellow will develop unique programming that leverages the community relationships, regional energy resources, place-based energy and justice challenges, and industry expertise. Through this process they will create robust, locally meaningful engagements that they will bring to their schools and other education organizations.

## REGIONAL COLLABORATION AND PARTNERSHIP DEVELOPMENT

PNW Clean Energy Fellows will meet consistently with the Fellows cohort to provide peer-to-peer feedback, build content knowledge, and identify equitable pedagogy to guide the development of their new programming. Beginning with the August Leadership Institute, this collaborative approach continues throughout the rest of the cohort's first year and beyond, through follow-up consultation and participation in a Fellows Leadership Network.

Throughout this process, CE will recruit regional industry and community partners to provide expertise on specific topic areas and support Fellows in their delivery. This partnership development will also take place at a community level, with supports in place to build relationships between Fellows and their local utilities, energy-adjacent industries, educational networks, and other community partners.

## ACTION PLANS

*The primary objective of the Pacific Northwest Clean Energy Fellows program is for Fellows to develop robust Action Plans that facilitate student engagement in the clean energy economy.*

Each Fellow or pair will apply with an Action Plan concept, whose implementation begins the same school year. Plans can take different forms, such as:

- Curriculum development
- Engineering challenges
- Event planning (annual career fairs or energy days)
- Career-connected programming (CTE pathways, scholarships, or internships)
- Combinations of these and other approaches.

The Action Plan is refined over the course of the program, through peer/partner collaboration and adjustment during implementation. While a core intention of these plans is to develop replicable tools and concrete outputs within the year, CE acknowledges that such initiatives often take multiple years to achieve their goals, so CE provides structures to continue consultation and support of Fellows as they move beyond their initial year.

## PNW CLEAN ENERGY FELLOWS OUTCOMES

This Clean Energy Fellows model, aimed at developing localized opportunities for student energy leadership, intends to achieve the following outcomes:

1. Each Fellow develops place-based Action Plans that align with five Strategic Priorities, ensuring the Plan:
  - Builds hands-on opportunities for students to access the clean energy economy.
  - Is equity-driven and justice-centered.
  - Amplifies program impact, reaching a broader regional group of educators.
  - Incorporates strategies to make it self-sustaining, with a targeted 10-year lifespan.
  - Is partner-informed, infusing industry and educational partners voices.
2. Clean Energy Fellows are positioned as national leaders, operating as part of a broader Fellows Leadership Network that provides professional development, participates in mentorship opportunities, and consults with CE to continue expanding energy education leadership.
3. Regional industry networks such as utilities, trades allies, renewable developers, advanced manufacturing, and other groups have permanent inroads into classrooms, building long term relationships and support mechanisms for Fellows and their professional learning communities.
4. Fellows participate in and inform a national framework and implementation strategy to align energy education with research, policy goals, and stakeholder visions in the pursuit of climate justice and an equitable economy centered around clean energy.

## FELLOWS SUPPORT

In participating as a Pacific Northwest Clean Energy Fellow, educators will receive:

- A \$5,000 stipend (per team of 1-2 individuals)
- A \$2,000 materials budget to procure classroom resources
- Compensation for additional training, presenting at conferences, and travel as opportunities arise
- Access to leading subject matter experts in the region, as well coaching from CE staff
- Support with connection to local industry and community partners
- Upon completion of the Fellows year, Fellows will be included in the Fellows Leadership Network and identified for specific leadership and funding opportunities

## PNW CLEAN ENERGY FELLOWS ACTIVITIES

In this engagement, Clean Energy Fellows will:

- Complete an initial draft Action Plan Concept and complete pre-work to build initial background prior to Institute
- Participate in a four-day Leadership Institute with the Fellows cohort
- Complete a Final Action Plan to present at a Fall Kickoff event
- Complete three Milestone Reports and Interviews, in alignment to pre-determined objectives spaced out over the course of a year
- Participate in periodic check-ins with PNW cohort to provide and receive feedback, gain additional professional development, and share completed work and resources
- Present Year 1 program results at Final Showcase event in the summer of 2022

## FELLOWS ELIGIBILITY

1. Pacific Northwest Clean Energy Fellows must be an **employed educator (classroom or out-of-school time) or district support staff (TOSA, Coach, Instructional Facilitator, etc.)** that serves students within customer-owned utility territory (Bonneville Power Administration service area) in Washington, Oregon, Idaho, or Montana.
2. Fellows can apply individually or in pairs.
3. The ideal Fellow will have:
  - a role serving students from minoritized identities in STEM (Black, Indigenous, LatinX, LGBTQ+, womxn), or rural populations

### How do I know if my school/organization is in an eligible area?

Does a customer-owned utility (PUD, cooperative, Tribal utility) provide electric service to the district? To find out you can either consult the [BPA service territory maps](#) (link), or ask your administrator.

Note: educators in districts/regions served by the following electric utilities are **NOT** eligible:

- Portland General Electric
- Pacific Power/Pacific Corp/Rocky Mountain Power
- Puget Sound Energy
- Avista Energy
- Northwestern Energy
- Idaho Power

- experience in curriculum design and educational leadership
- demonstrated knowledge of career-connected learning strategies
- strong knowledge of and some experience in teaching three-dimensional STEM as modeled by the Next Generation Science Standards
- experience and training in pedagogical approaches that support equitable learning, and a personal commitment to equity and justice that includes an honest examination of their own identity and role in current systems
- awareness of successful approaches to PD in their district

Fellows will be selected by CE staff, with partner input. Questions around eligibility and the application process can be directed to Parker Mullins, Program Director for CE ([pmullins@b-e-f.org](mailto:pmullins@b-e-f.org)) or Jonathan Strunin, Curriculum Design and Training Manager for CE ([jstrunin@b-e-f.org](mailto:jstrunin@b-e-f.org)).

## LEADERSHIP INSTITUTE

All Fellows will be required to attend a virtual four-day (24 hours total) Leadership Institute (currently scheduled August 9-10, 16-17). During this Institute, the Fellows will:

- Engage in cohort community development
- Collaborate and learn from industry and community experts
- Learn about the regional energy system and issues, particularly issues related to energy justice
- Engage in learning on justice-centered, culturally-sustaining, and career-connected pedagogies to apply to their action plans
- Conduct research on local energy landscape, environmental justice issues, career pathways
- Develop first cut of Action Plan objectives and milestones

## TIMELINE

Activity	Dates/Timeline
CE Outreach and Recruitment	January-May 2021
Application Window	February 1 - May 1, 2021
Cohort Decisions Communicated	June 1, 2021
Leadership Institute*	August 9, 10, 16, & 17, 2021
Action Plans Completed	Mid-October 2021
Action Plan Launch Event	Fall 2021
Milestone 1 Implementation	September 1 - December 31, 2021
Milestone 2 Implementation	January 1 - March 31, 2022
Milestone 3 Implementation	April 1 - June 2022
Final Showcase	June 2022

\*Leadership Institute is expected to be virtual for 2021/2022. All other cohort meetings will be conducted virtually.