



NW Natural Fellow Application

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Part I. Program Details

NW Natural Program Context

In 2020, NW Natural and CE partnered on a three-year grant to identify educators who would become leaders in energy education, focusing on a portfolio of clean energy solutions that included renewable gases as part of NW Natural's ambitious goal of decarbonizing the sector by 2050. The resulting program began with a renewable gas virtual course with 17 educators across NW Natural territory in the Fall of 2020.

Now marks the beginning of the second year, in which a small cohort of educators will become NW Natural Fellows and develop renewable gas curricula or programs that can be adopted by educators nationwide.

Year 2: Fellows Program Summary

In the 2021 calendar year, up to eight NW Natural Fellows, representing educators from grades 3-12 across NW Natural territory, will each work individually and collaboratively to create a curriculum/program that focuses on, or deeply incorporates, the topics of renewable natural gas and/or renewable hydrogen/power to gas topics.

Once they have completed the design, they will test/pilot this curriculum in their schools, and create final curricular products (lesson plans, supporting documentation and materials) to be included in CE's Curriculum Library and distributed/promoted nationally.

Program Outcomes and Objectives

Outcomes

1. Fellow's curriculum will be adopted by multiple educators within Fellow's district, or included as part of scope and sequence curriculum by their district.
2. Fellow's curriculum will be transferrable or adaptable to other regions, so it can be utilized by other educators.
3. Fellow's curriculum is utilized by educators across the country in whole or part.
4. Fellow's curriculum can be shared via industry platforms with inroads for participation by professionals.

Objectives

1. Fellows will work individually or in partnerships to create new curriculum.

Fellows will gather with other Fellows in the cohort semi-regularly to check in, co-work, and provide support and feedback to each other on their curricula.

3. Fellows will test curriculum or pilot their program.
4. Fellows will adjust curriculum following classroom testing.
5. Fellows will develop final curriculum including complete lesson plans (per CE Template to be developed), instructional supports, resources, extensions, assessments, etc.
6. Fellows will collaborate with subject matter experts from Northwest Natural and other industry areas to vet curriculum and provide career connection options for the region.
7. Fellows will record a video explaining curriculum and its highlights.
8. Fellows will present curriculum at a NW Natural Fellows Showcase in December 2021/January 2022.

Program Timeline

In the 11 month course, individual Fellows will be asked to put in approximately 80 hours worth of additional work (outside of the classroom and normal duties) to develop and refine the curriculum/program, as well as engage with the cohort. Fellows in partnerships will be asked to put in approximately 50 hours of work each.

- December 1: Application Released
- January 15: Application Due
- February 1: All Fellows Selected & Notified
- Kickoff meeting Feb 9, 4-5:30p
- Initial development phase: Feb-June 2021
 - 3 long sessions: 6 hour (probably) weekend working sessions
 - 2 weekday evening 90 minute check ins
- Testing/Piloting & Adaptation: Fall 2021
 - 1 long session: 6 hour (probably) weekend working sessions
 - 1 weekday evening 90 minute check in
- Final presentation TBD
- Year 2 End approximately Dec 2021

Budget & Stipends

- Fellows will be provided with a materials budget to buy materials to test their curriculum/pilot their program with (approximately \$1500 shared pool per grade level)
- Individual Fellows are expected to receive a \$2500 stipend (it will not be less than this amount)
- Fellows working in partnerships are expected to each receive a \$1500 stipend (it will not be less than this amount)

Eligibility

- Fellows must be employed full time at either a formal or nonformal education organization, with the opportunity to deliver curriculum to students in Fall 2021
- Fellows cannot be concurrently participating in any other CE Fellow Program
- It is not required (but highly preferred) that Fellows participated in the NW Natural fall course.

Applying in a Partnership

- Partners must each fill out an application and indicate they they are applying as part of a partnership in Section II below.
- Section III can be identical between two partners' applications, but Sections II and IV must be uniquely answered by each applicant

Terms and Conditions

Confirmed

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Part II. Personal Information

Name

E-mail

Phone Number

School District

School Address

Subject Area(s) Taught

Grade Level(s) Taught

Pre-K

10

11

12

Are you applying as part of a partnership?

No

Anticipated Student Reach

Total number of individual students you expect to teach with this new unit (total across all classes, clubs, etc.)

Number of unique classes you expect to teach

Number of colleagues in your school district that you intend to train/mentor with these new resources

Administrative Support

Please select all that apply

I am empowered and authorized to take on a leadership role in my district

Please briefly describe district support for this work and the potential for elevating this unit to the district level.

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Part III. Curriculum Details

Lesson Concept (300 words)

Describe your concept for the curriculum you wish to create. Consider addressing these key elements:

- Anchoring phenomena/design problems
- Strategies for a cross-disciplinary approach to STEM education (highlighting English language acquisition, particularly relating to access for English Learners)
- For those who were in the fall course, how does this idea differ/expand upon the lesson concept your team created

Note: "Curriculum" may include education or enrichment programs that include this content and are transferrable/scalable to other locations.

Lesson Concept

Career-Connected Learning (200 words)

A key goal of this program is to build career exposure and access for all students at all educational pathways (K-12, apprenticeship, 2 and 4 yr college, etc.) Which of these (or other) strategies are you excited about incorporating in your unit to connect students to possible careers? What local opportunities are you aware of to work these strategies into your unit? Strategic options:

- Partnering with NW Natural and other industry partners (utilities, ag, wastewater, renewable energy developers, etc.)
- Local policymakers and professionals
- Student/professional mentorship
- Field visits
- Guest speakers
- Internships

- [Other career-connected curricular strategies](#)

Career Connected Learning

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Part IV. Personal Statements

Personal Statement (up to 500 words)

We'd like to learn more about you, your career journey, and your motivations for becoming a Fellow. Please include:

- Individual aspirations and professional development goals
- How your participation in this program is beneficial to your broader educational community and students
- Why you are interested in developing curriculum around renewable gas topics
- Demonstration of past leadership in district/career, past curriculum development efforts

Personal Statement

Personal Equity Statement (up to 250 words)

Fellows will be asked to create curriculum that reflects best practices in culturally-sustaining education, especially for those students with minoritized identities (girls, Black, Indigenous, LatinX, LGBTQ+, rural youth, etc.).

The curriculum will be an example to other educators as to how to build equity in the classroom by meaningfully elevating student expertise and assets, especially those that are derived from their identities.

To that end, please craft a personal equity statement that:

- Focuses on you:
 - your equity journey
 - your learnings
 - what you are working on right now to continue on the journey
 - your understanding of your identities within a context of power
- Addresses how you understand your role as an educator in either reinforcing or addressing systems of power in the classroom
- Demonstrates steps you have take in your personal and professional life to address issues of equity for your students and community

Note: CE is not in a position to assess your credibility when it comes to equity-rather we seek an authentic expression of where you are in your journey and how you see this playing out in your classroom context.

Expect that this statement may be anonymously shared with other Fellows as part of the cohort process to facilitate discussion and learning across Fellows. CE staff will also share their equity

statements.

Equity Statement

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Part V. Scheduling Preferences

So we can begin to cocreate the cohort year with you, we'd love to get your preferences for when you are generally able to meet, and what you'd like to accomplish during synchronous sessions.

Please select any of the following options that appeal to you.

Timing for Full Cohort Check Ins

approx 90 minutes, 3 total during cohort year

Select drop downs to indicate preference

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Early Afternoon (12-3)	Unavailable	Possible	Preferred	Possible			
Late Afternoon (3-5)							
Evening (5-7:30)							

Timing for Long Sessions

approx 4-6 hours, 4 total during cohort year

Select drop downs to indicate preference

	Choose preference
Saturday (8-3)	Not Interested
Saturday (11-6)	Possible
Sunday (8-3)	Preferred
Sunday (11-6)	Possible
Break them up into weekday evenings (2-3 hours each)	Not Interested

Long Sessions Content

Please rank the following in terms of what you would like to do during the long sessions.

Learn content from experts/industry



Brainstorm with industry leaders



Get feedback from other Fellows



Co-work with another Fellow on your curriculum (conduct research, develop tools, etc.)



Discuss content topics with Fellows (could be energy content, pedagogy, etc)-this is not specific to your curriculum



Clarify/brainstorm curriculum details with CE Staff



Other ideas for what you would like to do at long sessions

3 ideas

CE Staff support

How could CE staff best support you as you develop your unit?

be charming and hilarious

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THANK YOU FOR APPLYING!!!

We will be reviewing applicaitons between January 15 and February 1 and will most likely notify you by February 1 about your application.

Please save Feb 9 from 4-5:30p in your calendar for the Fellows kickoff meeting in case you are selected to be a Fellow.

