



Community Energy Resilience Planning

Workshop Series Kickoff

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May 12, 2021



Agenda

- Legislative, Regulatory & Funding Update for Community Energy Resilience
- Community of Practice Formation
 - Why?
 - CER Community of Practice Norms
 - Overview June - December 2021
 - Cohort Formation
 - Housekeeping
- Action Items for June 9, 2021

Legislative, Regulatory and Funding Update

CPUC Microgrid Proceeding

New Community Microgrid Enablement Program (PG&E service area only)

New CPUC Microgrid Incentive Program (\$200M expected in 2022 in IOU service territories)

June 2020 Decision Ordered IOUs to support local energy resilience planning

- Conduct semi-annual face-to-face county-level workshops to share valuable information and collaborate to plan grid resiliency measures responsive to local needs
- Prepare a resiliency project guide that assists local jurisdictions with selecting resiliency project designs and implementation
- Dedicate staff to distribution planning teams that specialize in resiliency project development for local jurisdictions
- Develop a separate portal for local jurisdictions that gives information to support local community resiliency projects

California Funding

- The Governor's Updated FY 21-22 budget proposal will be released Friday
 - Projected \$75B budget surplus
 - Climate Center and partners seeking state funding for community energy resilience planning
- CPUC SGIP Program
- CEC Advanced Energy Communities

2021 California Legislation: Community Resilience

SB 99 (DODD): COMMUNITY ENERGY RESILIENCE PLANNING

Creates a new CEC program to support local governments in vulnerable communities to plan local energy systems for decarbonization, resilience, equity

TAKE ACTION to SUPPORT SB 99

www.theclimatecenter.org/microgrids

AB 1087 (CHIU): COMMUNITY RESILIENCE HUBS

Requires each investor-owned utility to award competitive grants to owners of critical community institutions and qualified housing for holistic community-driven building upgrade projects



Federal Funding

- Existing FEMA BRIC program
- Pending additional federal infrastructure funding
 - \$2.3T or \$500B?
 - Biden Administration has suggested that 40% of new clean energy infrastructure occur in disadvantaged communities

Plan to Capitalize on Upcoming Opportunities

Your plan should identify projects that are:

- Early
- Fundable
- Feasible

Why?



Luck is what happens when
preparation meets opportunity.

Seneca

quote fancy

ACTIVITY
DIRECTORY

PROPERTY
DIRECTORY



NO LNG
PEOPLE OUT - SURFER BEACH
www.coastalproject.org

NO LNG
RISKY, DIRTY DANGEROUS
PROTECT OUR COAST

Dear Governor
NO LNG
DON'T BURN IT!
LNG

NO LNG
PEOPLE OUT - SURFER BEACH
LNG

STOP
THIS
relishment

BHP:
GREED
NOT
NEED

LNG
takes
res

NO RHP LING
Don't make
Dependent on Foreign
Fossil Fuel. Evidence
Shows LNG is Conservative



PROTECT
THE BIRDS
THEY CAN'T
SPEAK

GIVE **TERRO**rist
a **Target**
They'll **USE**
it!



ONE VOICE
COUNCIL



STAY
OFF
OUR
HOME!!

NO
TO
BHP



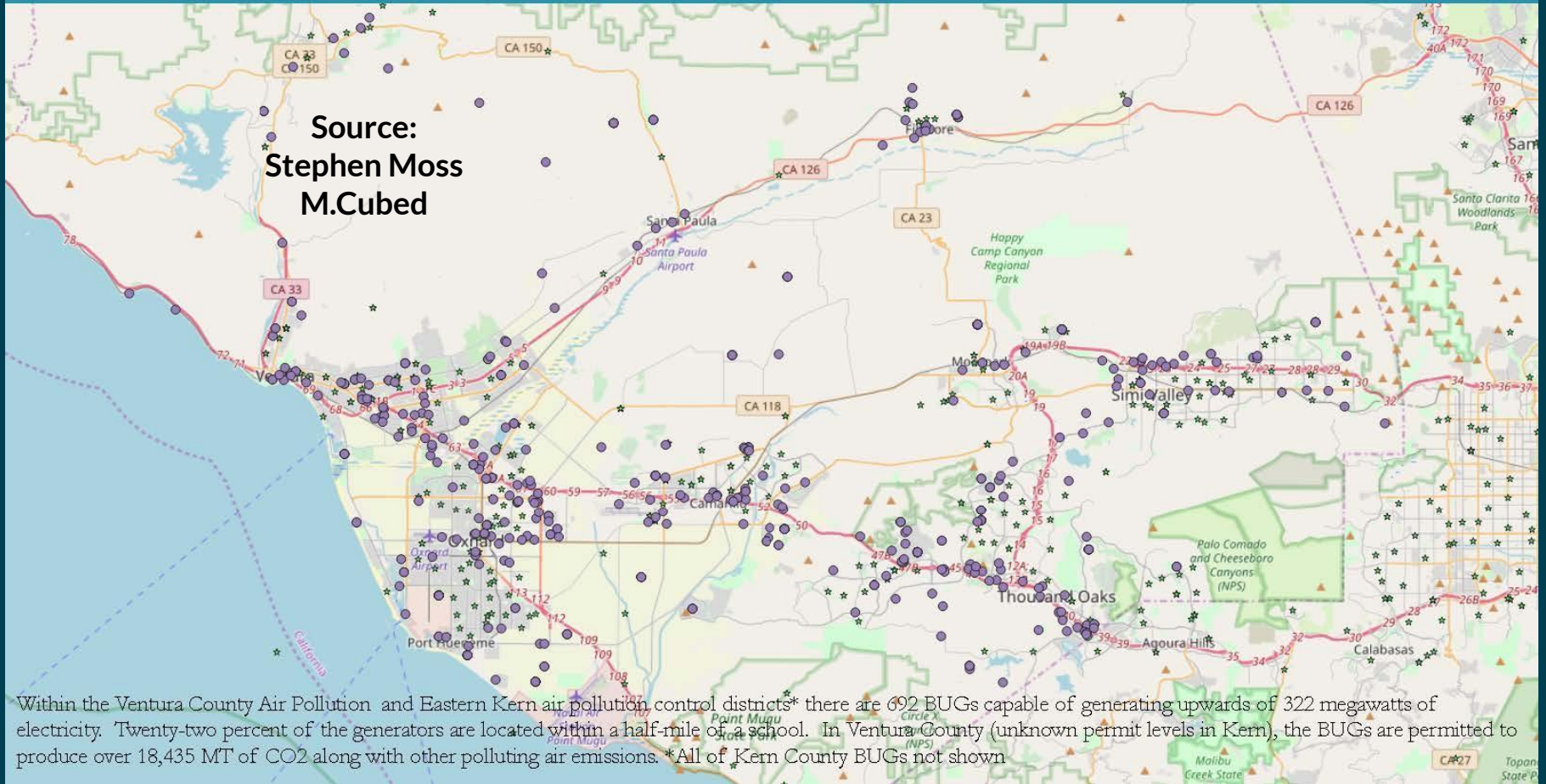
A large wildfire at night, with bright orange and yellow flames rising from a forest. In the foreground, the rear of a red fire truck is visible, with its emergency lights on. The sky is dark, and the fire illuminates the surrounding trees and the truck.

Or climate impact response later?

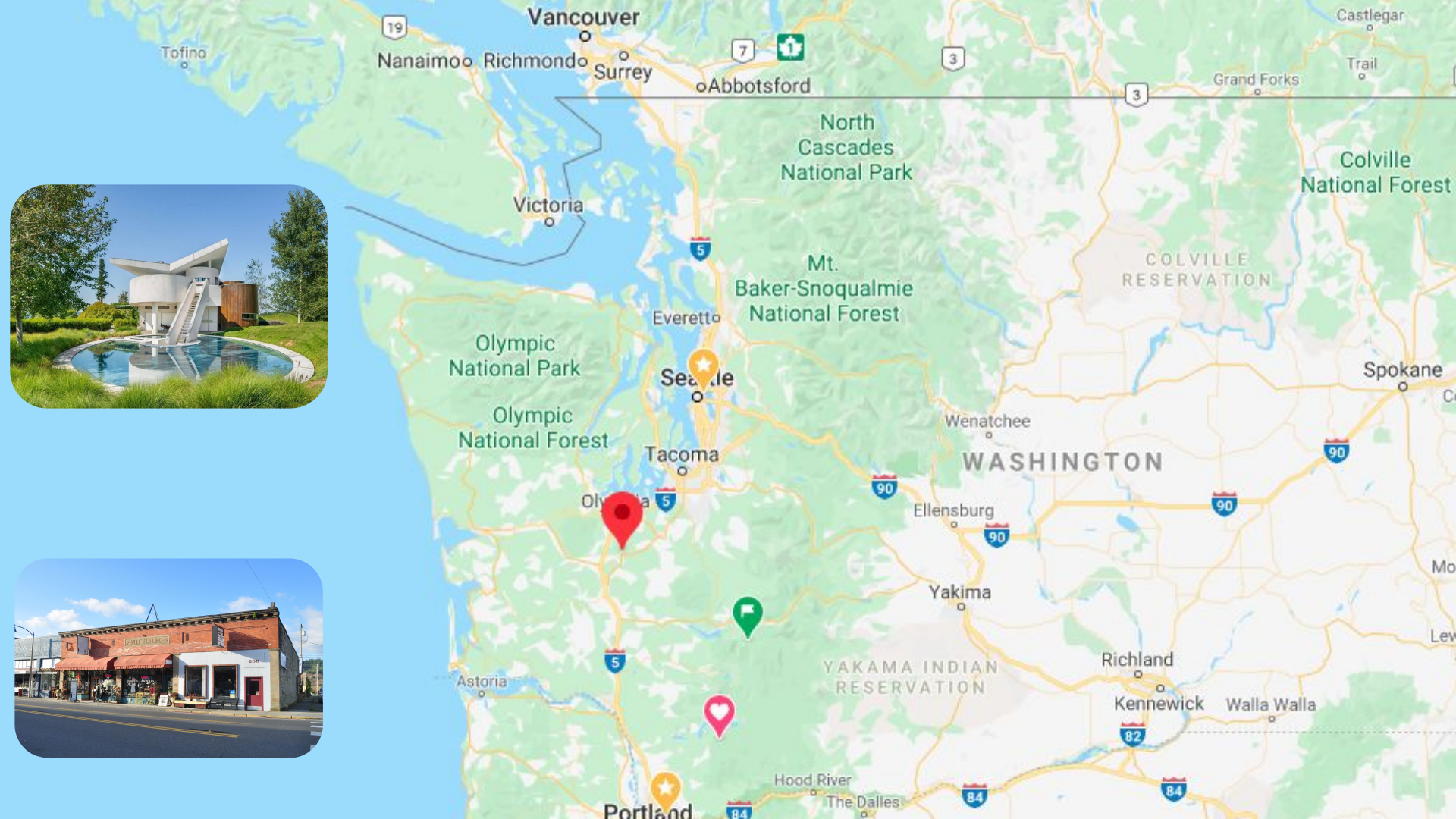
“There’s almost no statistic or dimension of this fire season 2020 in California that wasn’t astonishing or horrifying,” Daniel Swain, a climate scientist at UCLA’s Institute of the Environment and Sustainability.

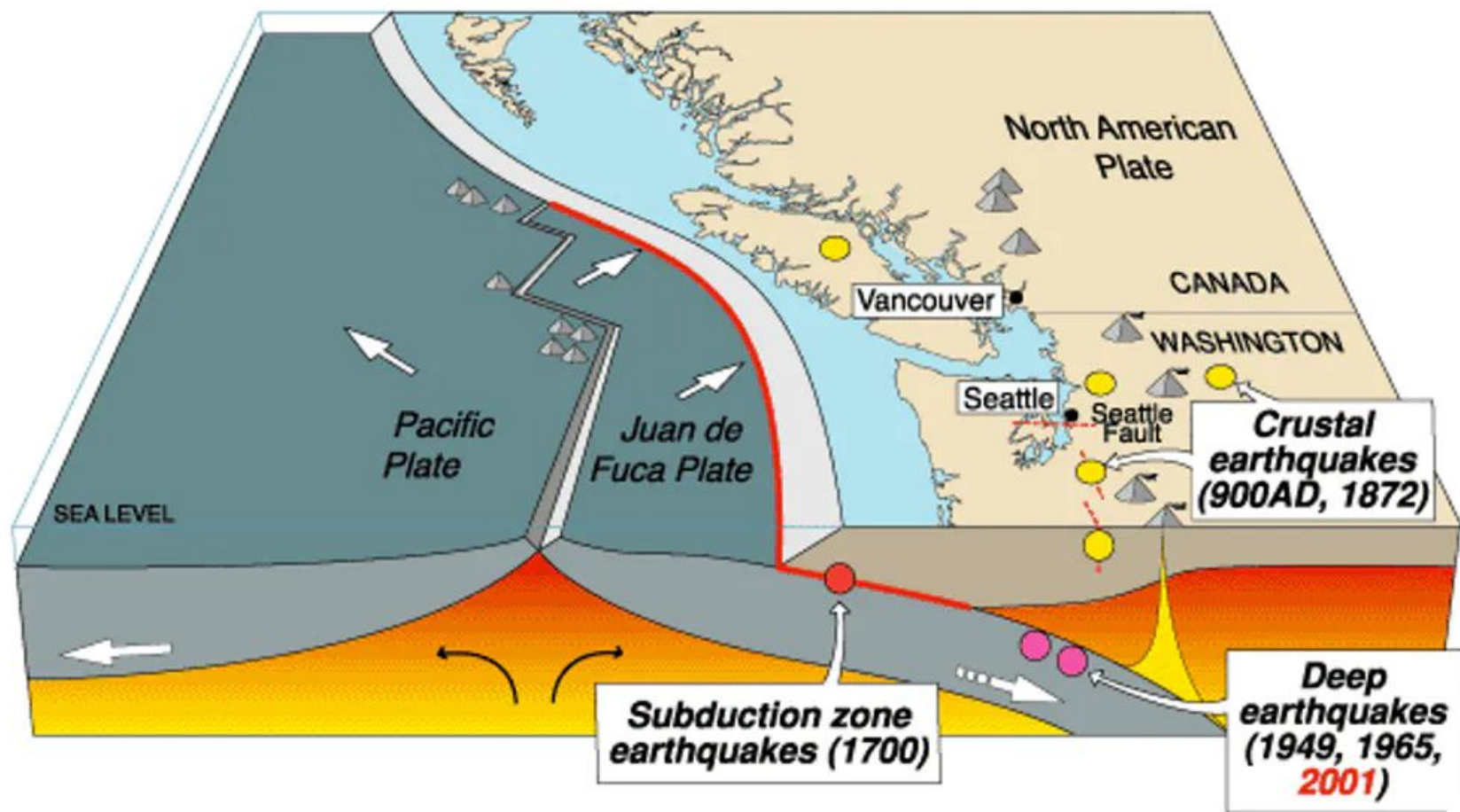
Ventura and Kern Counties Have Swarms of BUGs

Source:
Stephen Moss
M.Cubed



Within the Ventura County Air Pollution and Eastern Kern air pollution control districts* there are 692 BUGs capable of generating upwards of 322 megawatts of electricity. Twenty-two percent of the generators are located within a half-mile of a school. In Ventura County (unknown permit levels in Kern), the BUGs are permitted to produce over 18,435 MT of CO₂ along with other polluting air emissions. *All of Kern County BUGs not shown





“I want to help create a future for high-wage jobs in this area because they are few and far between,”
Guenther said.



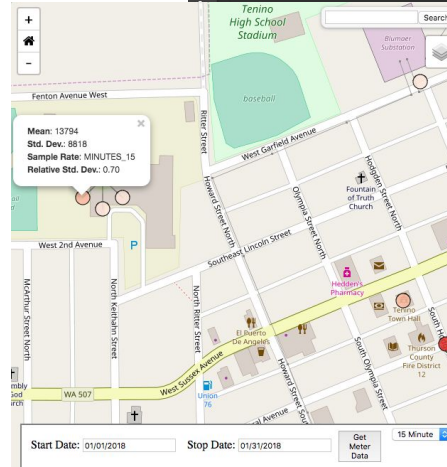
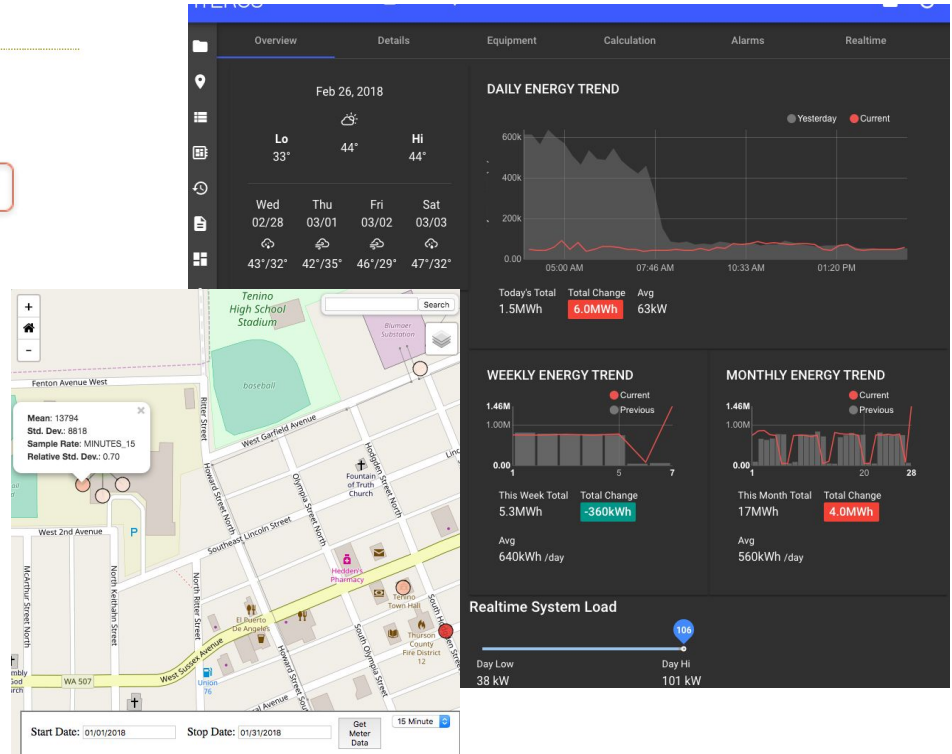
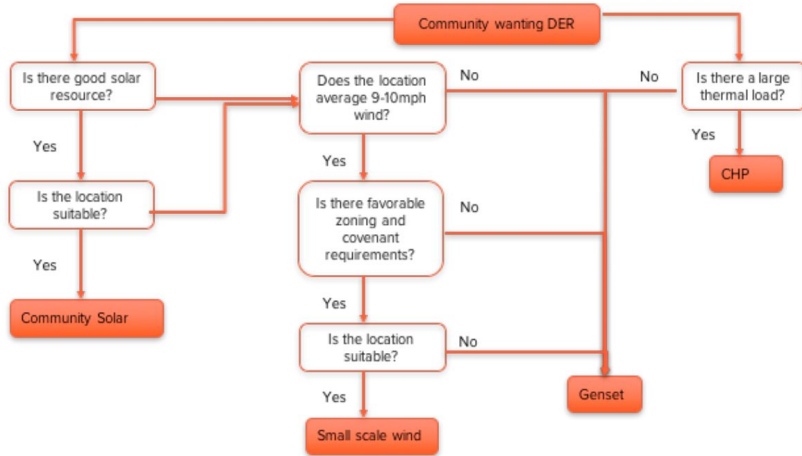
“The name of the game for us is to find these folks who want to collaborate, be innovative and try new things,” said Tenino Mayor Wayne Fournier. Projects like this that are scalable can be tested out and be less expensive in a smaller areas where there can be more control over variables and more of a proving ground for concepts. We’re trying to do things that are different and to our strength, and this has certainly been a good example of that.”



Community Asset mapping & Stakeholder Alignment

March 2017 - June 2018

COMMUNITY DISTRIBUTED GENERATION (DER) DECISION TREE



Community Engagement & Feasibility

July 2018 - March 2019



Community Engagement & Feasibility

July 2018 - March 2019

Grid

Community & Utility Owned
Microgrid

Vocational Training

Community College, Unions
& K-12 District and educators

Living Lab

Community, non-profits,
Industry, researchers



Secure Investment, Letters of Intent

2019-2020



Department of Commerce
Innovation is in our nature.



**BONNEVILLE
ENVIRONMENTAL
FOUNDATION**

CENTRALIA COAL
Transition Grants

TENINO SCHOOL DISTRICT
Learning Today, Leading Tomorrow



TransAlta



Washington State
Centers of Excellence

“You can’t be ready if you don’t have a plan.”

Carmen Ramirez



Suggested Community Norms



Seek Support. Discouragement is inevitable. Don't let it get to you. Support one another

Ask Why. Listen to the next generation and what they are demanding - this isn't for you personally. What will the children say? *How could you? Why didn't they?*

Practice Accountability. Doing everything I can mean means holding others accountable for doing what they can and have promised.

Look for the upside. How can we reframe the opportunity? People might lose jobs. Where is the opportunity to create jobs and engage labor?

Be prepared. Don't Be Caught Looking. Be aware of opportunities and keep each other informed. Share.

Goals + Process + Topics

Overview

Participants:

- Community Leaders + Sustainability Staff +EJ/CBOs

Opportunity:

- Organizing ahead of state & Federal Incentive Programs (Microgrid/Federal)

Objective:

- Determine how these opportunities align with your priorities.

Outcomes:

- Early, feasible, fundable projects that meet your and funders' objectives.
- A strong, self-sustaining community of practice with like-minded peers.



Stakeholder Value

We ask questions and listen to the voices that matter.



Community Asset Mapping

We map local generation, loads, infrastructure, civic, social and environmental assets.



Community Engagement

We identify promising projects, explore funding options and conduct preliminary engineering and market acceptance testing.



Feasibility

We author invaluable project pro formas and due diligence documents, based on thorough engineering, legal and financial analysis.



Secure Investment LOIs

We solicit bids and negotiate financing terms across the many investment streams available to your community.



Project Realization

We create and deploy training and curriculum for long-term community ownership.



Continuous Improvement

We measure, evaluate and adapt community operations to ensure ongoing success.

- **Team**
- **Priorities**
- **Community Assets**
- **Aligned Project Ideas**
- **Early Due Diligence**
- **Readiness for concept pitch**
- **Readiness for proposals**

Community Energy Resilience Workshop Series Dates

May 12, 2021- **Kickoff**

June 9, 2021 - **Cohort Norming / Stakeholders** (Identify)

July 14, 2021 - **Stakeholders** (Align)

August 11, 2021 - **Community Asset Mapping** (Strategy)

September 8, 2021 - **Community Asset Mapping** (Tactical)

October 13, 2021 - **Technical Feasibility**

November 10, 2021 - **Financial Feasibility**

December 8, 2021 - **Community Engagement**

Monthly Rhythms

- **Action & Accountability (~10 hours)**
 - Cohorts meet/email check on action items
- **Monthly Standing Meeting Agenda (1.5 hours)**
 - 5 min Legislative update
 - 5 min Funding update
 - 10 min Topic for the month:
 - Overview
 - How legislation and funding could relate to this topic
 - 30 min : Go over the exercise for the month based on the topic
 - 40 min: Break into groups
 - 10 min: Action steps/Accountability
 - Assign prep for next meeting

Cohort Formation

- **Establish a Community of Practice**
- **6 Cohorts**
 - North Coast, Bay Area, Central Valley, Central Coast, South Coast and Southern California
- **Cohorts will develop a set of norms**

Get to Know Your Cohort

Introduce yourself (2 min)

Name, Affiliation

If you were on a sporting team what is your favorite role and why?

What are you hoping to take back to your community?

Discussion

Given our unique skills how can we all partner to advance our objectives together?

Next Steps and Resources

- Save the Dates
- Make sure we have the best email
- Cohort Contacts
- Action Items: Fill out stakeholder ID
- Everyone should already be receiving the CER Update Newsletter

Questions?

Bike Rack

Bike Rack

- Consultants and pre-qualification/certification?

Priorities

PRIORITIES	HIGH	MEDIUM	LOW	NO RESPONSE
Transportation Decarbonization	22	1	3	2
Building Decarbonization	19	6	1	2
Purchasing Green Energy	18	8	1	1
Climate Mitigation	18	6	2	2
Generating Clean Energy	15	9	3	1
Backup Power / Resilience	17	10	0	1
Hosting Local Energy Projects	13	9	5	1
Resiliency Centers for Power, Cooling, and Warming.	11	13	3	1
Moving Quickly Toward Decarbonization Goals	20	5	2	1
Workforce	17	8	2	1
Economic Development	17	10	0	1

SB99

AB1325

AB1087

Case Studies/Tools

Obstacles

OBSTACLE	MAJOR HURDLE	PROBLEM BUT NOT MAJOR	NOT AN ISSUE	N/A OR NO RESPONSE
Staff capacity (expertise)	12	11	3	2
Overall budget for community too small to make meaningful impact	14	9	2	3
Staff Capacity (hours)	16	8	2	2
Lack of support from council and leadership	2	10	14	2
Vocal Opponents	3	11	11	2
Lack of technical resources and expertise	11	11	4	2
Lack financing for projects	23	3	0	2
No tactical roadmap / plan	10	10	6	2

SB99

AB1325

AB1087

Case Studies/Tools

Cohort Formation

- **Members/Introductions**
- **Roles**
- **Meeting/check-in cadence**
- **Norms: record keeping,
accountability**
- **Discussion**

Next Steps and Resources

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