

**Cully Energy Plan PAC Meeting #4
Meeting Objectives and Agenda
May 15th 2017**

Meeting Objectives:

- PAC members will receive updates on
 - Data development
 - Community Engagement
- PAC Members will produce initial list of energy generation projects/program recommendations for Cully Energy Plan

Meeting Agenda:

A.	Welcome and check-in question	3:00pm
B.	Living Cully Energy Plan Updates	3:10pm
C.	<ul style="list-style-type: none">• Large Group Brainstorm: Energy Renewables Projects/Programs• Small Group Development: Project/Programs Overview, Questions, Contacts, Funding Opportunities. Co-benefits• Share with Larger Group	3:15pm
F.	Closing and Next Steps	4:30pm

LIVING CULLY ENERGY PLAN PAC MTG

5.15.2017

Welcome/Bienvenidos



Event: _____ Host Organization: _____
 Date: _____ Start/End Time: _____
 Lead Staff: _____ Support Staff: _____

	Less than 18yrs old?	Name (First & Last)	Email or Phone Number	Are you a volunteer or want to be involved with Verde/Living Cully?
	Menos de 18 años?	Nombre y Apellido	Email o numero de telefono	Eres un voluntario o quiere involucrarse en Verde/Living Cully?
1	<input type="checkbox"/>	Zach Sippel	zachary.sippel@energytrust.org	<input type="checkbox"/> yes/si
2	<input type="checkbox"/>	ORIANA MAGUERA	oriana.maguera@nwenergy.org	<input type="checkbox"/> yes/si
3	<input type="checkbox"/>	Maiyee Yuan	maiyeel@apano.org	<input type="checkbox"/> yes/si
4	<input type="checkbox"/>	Taren Evans	tarene@habitatportlandmetro.org	<input type="checkbox"/> yes/si
5	<input type="checkbox"/>	Andria Jacob		<input type="checkbox"/> yes/si
6	<input type="checkbox"/>	Cameron Herrington		<input type="checkbox"/> yes/si
7	<input type="checkbox"/>	JAMES VADEZ	james@nwsted.org	<input type="checkbox"/> yes/si
8	<input type="checkbox"/>	Alan Apollo		<input type="checkbox"/> yes/si
9	<input type="checkbox"/>	Iron K... N/A		<input type="checkbox"/> yes/si
10	<input type="checkbox"/>			<input type="checkbox"/> yes/si
11	<input type="checkbox"/>			<input type="checkbox"/> yes/si
12	<input type="checkbox"/>			<input type="checkbox"/> yes/si
13	<input type="checkbox"/>			<input type="checkbox"/> yes/si
14	<input type="checkbox"/>			<input type="checkbox"/> yes/si
15	<input type="checkbox"/>			<input type="checkbox"/> yes/si

Total number of adults: _____ Total number of youth: _____ Total participants: _____

Cully Energy Plan PAC Meeting #4
Meeting Notes
May 15, 2017

Hydro, Wind and Biogas Category

Individual Brainstorm

- Wind
- Wind power near river (where resources is viable)
- Wind from airport?
- Resident wind and community wind
- Bio-gas food/garbage = energy Tried in the past
- Plumbing/sewer energy production. Lucid energy
- Small scale hydroelectric
- Columbia slough micro-hydro
- Algae farms?? Alternative fuels
- Combine heat and power using biomass

Group Notes

Wind:

- You need a large open area
- Is it viable in Cully? You would need to produce a wind map
- Funding: Federal; RETC; ETO custom incentive
- Co-op wind? In or out of area?

Biogas:

- City project in north Portland
- ? volumes of materials and energy
- Sources
 - Restaurant
 - Oils (waste)
 - Humane society
 - Cesspools
- Funding: NWN or Farm \$\$

Hydro/Sewer

- City lucid project
- ? potential impact
 - River
 - Columbia slough
 - Pipes and infrastructure
- Funding: City

Algae/ Biomass

- Sources
 - Farms
 - Forest
 - Waste
 - Urban Forest
- Impacts

- Air Quality
- Ecosystem
- Transport
- Existing wood stove/ replacement
- Funding DEQ

Resiliency: Solar + Storage

Individual Brainstorm

- Community resiliency (battery storage) build around critical infrastructure
- Micro-infrastructure
- Community solar plus storage
- Solar plus storage (microgrids)

Group Notes

- Overview: Renewable energy storage for use in non-productive hours and or post-disaster
- Community Served: people/ residents in Cully. Including most vulnerable
- Happening: Non likely, not known
- Co-benefits: Community organizing and connectivity
- Education
- Funding: likely no fed; private with county and city funds
- Other questions:
 - How it connects with other outreach and organizing

Bike Rack (does not fit in other categories)

Individual Brainstorm

- New passive housing development
- More trees for shade canopy/ rain canopy + noise pollution
- Ground source geo-thermal for new construction
- Community gym with bikes powering a portion of energy
- Exercise power
- Integrated parking project: solar panel canopy with EV charging
- Electric Vehicles/ Charging infrastructure
- EV car chargers

Group Notes

- Exercise Power
 - Overview: Community gym/ workout center
 - Energize the gyms prolyl net loss
 - Is it happening in cully?
 - No
 - Examples include Alberta Green Gym and OSU student gym
 - Co-benefits:
 - Health wellness
 - Gathering space
 - Funding: subscription for membership
 - Partners:
 - Health providers/ local clinics
 - Greater PDX hospitals
- EVs

- Need to make destinations with more (elec) energy use?
- Overview: parking lot with solar canopy
- Community served: folks with EVs
- Is it happening in Cully: No
- Co-benefits: decreased reliance on fossil fuels and canopy can feed grid when not in use
- Funding: Airport? Port of Portland
- Other questions: expensive to own right now
- Partners: Budget rental cars

Community Solar

Individual Brainstorm + Group notes

Address Housing

- Reduce Housing costs
 - Mobile PV kits for mobile homes
 - Solar awnings/ canopy (mobile homes)
 - Residential solar hot water program for LI
 - Residential solar single family/multi-family
- Create new affordable homes
 - Offer solar panels to owners of market rate apts, in exchange for affordable rents
 - Solar panels on homes sold to low-income families to reduce total housing costs of the house
 - Solar panels at affordable housing complexes to reduce utility bills

Community Investment

- Public owned sites
 - Solar school project: curriculum integration
 - Community solar at new park + solar canopies for shade and rain cover
 - Renewable energy co-ops
 - Solar cells in roadways!
 - Community solar parking lots
 - Residential group purchase for rooftop (solarize model)
 - Community solar (industrial roof space)
- Private Sites
 - Commercial solar
 - Business support weatherization retrofits
 - Industrial solarize
 - Community solar