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:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Welcome and check-in question</td>
<td>3:00pm</td>
</tr>
<tr>
<td>B</td>
<td>Living Cully Energy Plan Updates</td>
<td>3:10pm</td>
</tr>
<tr>
<td>C</td>
<td>• Large Group Brainstorm: Energy Renewables Projects/Programs</td>
<td>3:15pm</td>
</tr>
<tr>
<td></td>
<td>• Small Group Development: Project/Programs Overview, Questions,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Contacts, Funding Opportunities. Co-benefits</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Share with Larger Group</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Closing and Next Steps</td>
<td>4:30pm</td>
</tr>
</tbody>
</table>
# Living Cully Energy Plan PAC MTG

## Welcome/Bienvenidos

<table>
<thead>
<tr>
<th>Less than 18yrs old?</th>
<th>Name (First &amp; Last)</th>
<th>Email or Phone Number</th>
<th>Are you a volunteer or want to be involved with Verde/Living Cully?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Menos de 18 años?</td>
<td>Nombre y Apellido</td>
<td>Email o numero de telefono</td>
<td>Eres un voluntario o quiere involucrarse en Verde/Living Cully?</td>
</tr>
<tr>
<td>1</td>
<td>Faith Sipelew</td>
<td>Zachary Sipelew energytrust.org</td>
<td>□ yes/si</td>
</tr>
<tr>
<td>2</td>
<td>ORIANA MACERA</td>
<td><a href="mailto:oriana@energytrust.org">oriana@energytrust.org</a></td>
<td>□ yes/si</td>
</tr>
<tr>
<td>3</td>
<td>Maiye Yuan</td>
<td><a href="mailto:maiye@apiano.org">maiye@apiano.org</a></td>
<td>□ yes/si</td>
</tr>
<tr>
<td>4</td>
<td>Taren Evans</td>
<td><a href="mailto:taren@habitatportlandmetro.org">taren@habitatportlandmetro.org</a></td>
<td>□ yes/si</td>
</tr>
<tr>
<td>5</td>
<td>ANDIRA JACOB</td>
<td>Cameron Herrington</td>
<td>□ yes/si</td>
</tr>
<tr>
<td>6</td>
<td>JAMES VADEZ</td>
<td><a href="mailto:james@twsted.org">james@twsted.org</a></td>
<td>□ yes/si</td>
</tr>
<tr>
<td>7</td>
<td>Alan Tapia</td>
<td>NA YR</td>
<td>□ yes/si</td>
</tr>
</tbody>
</table>

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
- Resiliency: Solar + Storage

Ecosystem

Transport
- Existing wood stove/ replacement
- Funding DEQ

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

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