Pacific Northwest Center of Excellence for Clean Energy (PNCECE)
Advisory Board Meeting Minutes
May 29th 2015, 11am -1pm @ Bates Technical College, South Campus

Clean Energy Advisory Board Attendees:
Pat McCarty, Chair; Tacoma Power
Troy McNutter, PSE
Jeremy Gall, Avista
Terry Knight, Avista
Shana Peschek, Construction COE
Travis Kinney, Lewis County PUD
Kairie Pierce, Washington State Labor Council
Alice Messra, Tacoma Power
Micah Goo, Centralia City Light
ML Norton, Centralia City Light
Pam Grindstaff, Pacific Mountain Workforce Development Council

Construction Advisory Board Attendees:
Mark Halvorson, WALECET
Jeremy Vermilgea, Schwabe, Williamson & Wyatt
Eric Peterson, Western Washington Sheet Metal JATC
Curtis Takahashi, Workforce Development Council Snohomish County
Laura Soma, GLY
Peter Guzman, City of Tacoma, LEAP
Joan Weiss, WA St. Labor Council
Brandon Koenes, Workforce Central
Jason Petrait, South Seattle Community College

Guest Speaker
Jason Cameron, Pacific Gas and Electric, California

Additional guests
Caryn Fosnaugh, Bates Technical College
Rob Comer, Camo 2 Commerce

PNCECE Staff: Barbara Hins-Turner, Sara Bowles

Call to Order 11am – Pat McCarty, Chair
Introductions

Presentation by Jason Cameron from California’s Pacific Gas and Electric
Presentation of how PG & E PowerPathways, Training Program works in California and their focus on military and diverse students.
In the context of “What would a utility worker training program look like at Joint Base Lewis McCord” and how a collaboration with education, industry and labor would work in Washington.
NOON -- Lunch Break

12:24 -- Further discussion about a collaboration of the west coast

**Introduction of Camo 2 Commerce, Rob Comer:**
C2C has been doing this work for the last year and a half through a grant funded program that targets military service members. C2C grant has committed 60 thousand dollars to support the PowerPathways program for the first cohort. This is a strong program and the answer to the issue of a higher salary for the service members. The C2C grant is good through the end of the year, with a possibility of continued funding.

**Bates Technical College, Barbara Hins-Turner and Caryn Fosnaugh:**
Bates Technical College is a great choice because they have a strong electrical program which just hired, through the WISE grant, a new electrical program faculty and their proximity to JBLM is prime. Bates has a unique pre-apprenticeship program that are a pathway to the apprenticeship training programs. Their 10 week multi-craft building trade apprenticeship is modeled after the Cypress Mandela training center in Oakland, CA. PowerPathways is also partnered with Cypress Mandela so they have an existing successful model in place.

**THOUGHTS:**
- How do we recruit?
- What will outreach look like?
- Discussed sector events to build momentum
- Barbara Hins-Turner proposed and industry focused group discuss this collaboration further and in more detail. She will follow up and coordinate a meeting. Barbara Hins-Turner and Caryn Fosnaugh will follow up with PG&E PowerPathway’s California College partners.

Volunteers for the focus group:
- Tacoma Power
- Centralia City Light
- Pac Mt. Workforce
- Avista
- PSE
- Lewis PUD
- Pacific Gas and Electric, CA

To be invited to participating:
- IBEW Local 77
- Seattle City Light
- Snohomish PUD

**12:45 meeting adjourned:**

Jason Cameron’s Presentation:

Pacific Gas and Electric

PG&E supports roughly 1 in every 100 jobs from Bakersfield to Eureka—nearly 71,500 jobs.

We contribute an estimated $22 billion or 2 percent of total economic activity in our service area.

Our signature program....PowerPathway

Recognized by the National Commission on Energy Policy as a best practice program

by Clean Edge Clean Tech Job Trends as an organization to watch

and through our new partnership with the White House and Skills for America’s Future initiative, PG&E’s PowerPathway program is a distinguished leader in workforce development.

PG&E PowerPathway

Pacific Gas and Electric

Pacific Gas and Electric Company, incorporated in California in 1905, is one of the largest combination natural gas and electric utilities in the United States.

- Headquartered in San Francisco. Service area stretches from Eureka in the north to Bakersfield in the south, and from the Pacific Ocean in the west to the Sierra Nevada in the east.
- 20,000 employees
- $14,956 B (2011)
- 141,215 circuit miles of electric distribution lines and 18,816 circuit miles of interconnected transmission lines, 42,141 miles of natural gas distribution pipelines and 6,438 miles of transportation pipelines.
- 5.1 million electric customer accounts, 4.3 million natural gas customer accounts
- One of the largest providers of clean energy in the country
Curriculum Jointly Developed

PowerPathway Program Sample Curriculum

<table>
<thead>
<tr>
<th>VWeek</th>
<th>Topics Covered</th>
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<tbody>
<tr>
<td>VWeek 1</td>
<td>Orientation, Introduction, PG&amp;E, College registration, Financial Aid, Compliance and Ethics, Veteran Affairs</td>
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<tr>
<td>VWeek 2</td>
<td>Job ID Line Truck, Basic Electricity, Reading &amp; Math, Tailoring, Materials ID Lineman</td>
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<tr>
<td>VWeek 3</td>
<td>Hearing Protection, Ropes &amp; Knots, CSP</td>
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<tr>
<td>VWeek 4</td>
<td>Reading &amp; Math, Environmental Awareness, Industrial Ergonomics, Substation Field Trip</td>
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<td>VWeek 5</td>
<td>Reading &amp; Math, Standby interpretation, Radio</td>
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<tr>
<td>VWeek 6</td>
<td>Fire Fighting, Emergency Response Plan, Confined Space Awareness, Worksite Protection</td>
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<tr>
<td>VWeek 7</td>
<td>Reading &amp; Math, First Aid, CPR, Gas</td>
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<tr>
<td>VWeek 8</td>
<td>Reading &amp; Math, PG&amp;E Testing</td>
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<tr>
<td>VWeek 9</td>
<td>Edison Field Trip, Soft Skills, Workplace Flagger, Electrical &amp; Gas Map Reading, Hydro and Smart Grid</td>
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<tr>
<td>VWeek 10</td>
<td>Swing Week, Graduation</td>
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Top 5 jobs: utility worker, apprentice electrician, gas service rep, materials handler and nuclear security guard.

PowerPathway Program Application Process

Month 1 - Open Enrollment (over 1000+ applications)
- Marketing and outreach for course
- Interested candidates apply through PowerPathway website

Month 3-4 - Candidate Screening Process
- Initial screening
- In-person orientation
- Assessments interviews

Month 5 - Classes begin (Cohort size between 15-36)
- Gas & electricity curriculum, safety
- Utility careers
- Field trips and guest speakers
- Industry employer breakfasts
- Candidates’ performance calibrated

Month 6-9 - Classes Completed
- Pre-employment tests
- Graduates apply for open positions
- PowerPathway certificates are awarded
- Supervisor field interview days

Month 7-10+ - Candidate / Employee Tracking
- Partners case manage candidates
- Candidates gain jobs at PG&E and in industry
- PowerPathway Alumni Network

Your future starts here in the training network
VIDEO: At White House, Veteran Shares His Story of Struggle from Unemployment to PG&E Career

WASHINGTON — The compelling, personal story of a PG&E apprentice electrician earned him a singular honor — introducing the president of the United States at a White House event today (Jan. 31) on long-term unemployment.