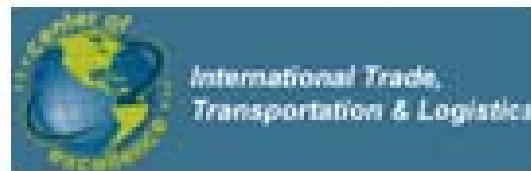
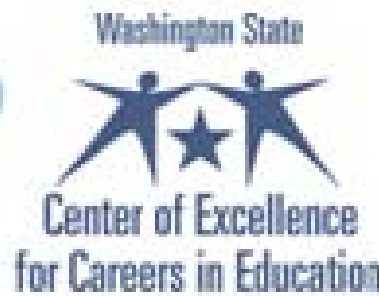




Washington State Consortia Model

*Barbara Hins-Turner, Executive Director
Washington State Center of Excellence
for Energy Technology,
Centralia College
bhins-turner@centralia.edu*

CENTERS OF EXCELLENCE



Center of Excellence Vision

Washington shall become a national model in developing partnerships among business, industry and education for the purpose of enhancing economic and workforce development initiatives to meet the current and future needs of the industries critical to the state's economic vitality;



Center of Excellence Mission

Washington's Centers of Excellence shall serve as the statewide liaisons to business, industry, labor and the state's educational systems for the purpose of creating a highly skilled and readily available workforce critical to the success of the industries driving the state's economy;



CENTERS OF EXCELLENCE

Economic Development Agencies – WDCs, WTECB, ES, EDCs, Structured Partnerships

34 Community and Technical Colleges

Information
Best practices
Industry Trends

Information
Best practices
Industry Trends
Shared Curriculum

CENTERS OF EXCELLENCE

Information
Best practices
Industry Trends
Shared Curriculum

Information
Best practices
Industry Trends

Secondary Education, Colleges and Universities

Businesses that Drive the State's Economy

**Aerospace and Advanced Materials,
Agriculture, Allied Health, Careers in
Education, Construction,
Energy Technology,
Homeland Security, Information
Technology, International
Trade/Transportation/ Logistics,
Marine Manufacturing, Process
Technology**



WA HB 2227

Evergreen Jobs Leadership Team

Establishes an evergreen jobs authority to:

- Ensure that the state's workforce is prepared for the new green economy;
- Ensure that the state attracts investment and job creation in the green economy;
- Make Washington a net exporter of green energy technology and components; and
- Ensure that Washington is a national and world leader in the green economy.



Industry and Labor Advisory

- Avista Utilities
- Bonneville Power
- Bureau of Reclamation – Grand Coulee Dam
- Centralia City Light
- Portland General Electric
- Puget Sound Energy
- Seattle City Light
- Tacoma Power
- Washington State Labor Council AFL-CIO
- IBEW Local 77



Community College Energy Career Resource Guide

Expertise

- Shoreline
 - Solar
- Spokane
 - Distribution Line
- Walla Walla
 - Wind
 - Plan to articulate with wind corridor colleges

Articulations

- Cascadia/Edmonds
 - Energy Efficiency
- Centralia, Grays Harbor, Wenatchee, Peninsula
 - Power Operations





Department of Energy ARRA Smart Grid Workforce Training Grants

Meeting Smart Grid Workforce Challenges

- *\$100 Million awarded nationally*
- *12 - \$5 million awards*
- Industry, Labor, Education, Research and Veterans
- Pacific NW - Training satellites in WA/OR/ID/MT/UT





Pacific Northwest Center of Excellence for Clean Energy:
Smart Grid Workforce Development
Department of Energy Workforce Training Grant
American Recovery and Reinvestment Act



Pacific Northwest Center of Excellence for Clean Energy - Centralia College

- Smart Grid Training Delivery
- Smart Grid Training Portal
- Share Best Practices on Smart Grid Training

Project Objectives



Deliver Smartgrid Training

- Identify Occupational Needs and Training Gaps
- Deliver Overview, Occupation Specific, and Design level Curriculum



Create a Training Portal

- Leverage Online Training Methodologies when practical
- Outreach to emerging/incumbent workers, and create a manufacturer-utility communication stream



Share Best Practices

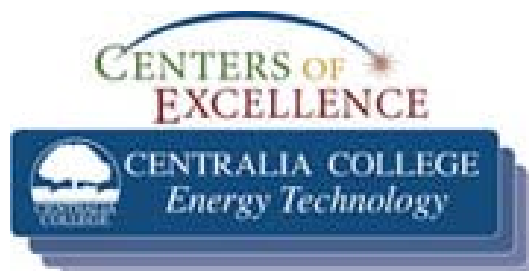
- Establish Satellite Training Facilities in combination with online learning
- Increase Visibility of the Energy Summit to share nationally



*Pacific Northwest Student Placement
Seattle Steam - Bonneville Power Administration -
Grand Coulee Dam - Puget Sound Energy -
Transalta Centralia
High Skills High Wage Jobs*

Center of Excellence
Statewide Support Reaching 19 colleges in
"niche" energy sectors

Wind, Solar, Nuclear, Thermal, Hydro,
Distribution Line, Energy Efficiency Mgmt



CENTERS OF
EXCELLENCE



CENTRALIA COLLEGE
Energy Technology

To Register:

[http://www.centralia.edu/
coe/summits.html](http://www.centralia.edu/coe/summits.html)



Annual Energy Best Practices Summit Regional Education and Training Center, Satsop Campus



U.S. Energy Workforce Research

- National Commission on Energy Policy Taskforce on American's Future Energy Jobs
 - <http://bipartisanpolicy.org/projects/national-commission-energy-policy>
- Northwest Energy Efficiency Taskforce Final Report
 - <http://www.nwcouncil.org/energy/neet/>
- Washington State University Extension Energy Program
 - Washington State Green Economy Jobs '08 and '09
 - Renewable Energy Trends and Workforce Development in Washington State
 - Efficiency Trends and Workforce Development in Washington State Phase I
 - Workforce Challenges of Electric Sector Employers in Washington and Oregon
 - <http://www.energy.wsu.edu/apps/Workforce.aspx>

questions???



<http://www.centralia.edu/coe/>