

GHG Reduction & Energy Efficiency Resources

Greenhouse Gas Emissions Training

Idaho Department of Environmental Quality

May 6, 2010

Slides from the presentations are available at: www.deq.idaho.gov/ghgworkshop
or from the Pacific Northwest Pollution Prevention Resource Center at: www.pprc.org

Program Development/Guidance

EPA Climate Leaders

- To get started in greenhouse gas reduction, join and consult with EPA Climate Leaders: <http://www.epa.gov/stateply/index.html>
- Inventory Design Guide: <http://www.epa.gov/climateleaders/resources/design-principles.html>
- Case studies: Typically 20-30 pp on individual company efforts to reduce emissions, <http://www.epa.gov/climateleaders/casestudies/index.html>
- Information on Offsets & Green Power, <http://www.epa.gov/stateply/resources/optional-module.html>
- Program on Climate Leaders for Small business, http://www.energystar.gov/index.cfm?c=small_business.sb_index
- Sector guidance for landfills: http://www.epa.gov/climateleaders/documents/resources/protocol-solid_waste_landfill.pdf

Pew Best Management Practices

- Pew Center report: "From Shop Floor to Top Floor: Best Business Practices in Energy Efficiency": <http://www.pewclimate.org/energy-efficiency/corporate-energy-efficiency-report>
- Pew Energy Efficiency Web Portal: <http://www.pewclimate.org/energy-efficiency>

ENERGY STAR

- http://www.energystar.gov/index.cfm?c=business.bus_index
- "Guidelines for Energy Management," how to develop an energy program at your company: <http://www.energystar.gov/index.cfm?fuseaction=guidelines>.
- "Teaming Up to Save Energy," how to structure, launch, & maintain an energy team: http://www.energystar.gov/ia/business/guidelines/continuous_improvement/Teaming_Up_To_Save_Energy.pdf
- "Portfolio Manager," online tool for tracking energy and water use in your companies facilities: http://www.energystar.gov/index.cfm?c=evaluate_performance.bus_portfoliomanager#manage

DOE Industrial Technologies Program

- Amazing technical resources and software tools for achieving energy efficiency in industrial processes: <http://www1.eere.energy.gov/industry/>
Sector-based Energy Efficiency Resources

<http://www.energystar.gov/ia/business/industry/Food-Guide.pdf>

Regional Energy Audits/Assessments

DOE "Save Energy Now" Assessments

Large Plants may be eligible for a 3-day assessment by a DOE Energy Expert

<http://www1.eere.energy.gov/industry/saveenergynow/assessments.html>

WSU Energy Extension

www.energy.wsu.edu

<https://www.eecbg.energy.gov/informationcenter/>

<http://www.energy.wsu.edu/apps/Projects/IndustrialServices.aspx> or

Currently provide energy assessments for large industrial end users (combined annual energy consumption of .3 TBTU or higher) in Washington or Oregon, also additional programs for Washington state. Incentive funds available to help implement energy efficiency improvements for Washington manufacturing facilities.

Contact: Cris Love, Industrial Services Project Manager

360-956-2172, lovec@energy.wsu.edu

Industrial Assessment Centers

One-day energy assessments for small- to medium-plants: <http://iac.rutgers.edu/database/centers.php>

Database of IAC energy surveys: <http://iac.rutgers.edu/database/index.php>

University of Washington IAC

<http://www.ee.washington.edu/energy/iac/>

Alexander Mamishev, Center Director

(206) 221-5729

mamishev@ee.washington.edu

Oregon State University IAC

<http://eec.egr.oregonstate.edu/>

Joe Junker, Director, Energy Efficiency Center

(541) 737-5034

junkerj@enr.orst.edu

Idaho & Pac NW Energy Incentive Programs

Idaho Office of Energy Resources

<http://www.energy.idaho.gov/energyefficiency/industrial.htm>.

Best one-stop point for Idaho energy information. Can facilitate industrial assessments.

Hotline for questions on resources and energy programs: 1-800-334-SAVE

Contact: Jeff Brooks, Industrial Efficiency Program,

208-287-4893, jeff.brooks@oer.idaho.gov.

Idaho Utilities

Avista Utilities

Avista offers an Account Executive for each industrial customer

<http://www.avistautilities.com/business/accountexec/Pages/default.aspx>

The Account Executive works with the customer to offer incentives and other technical services.

http://www.avistautilities.com/business/rebates/washington_idaho/Pages/default.aspx

Contact: Ken Boni, Energy Solutions Manager

509-495-8198, ken.boni@avistacorp.com

Idaho Power Company

Commercial & Industrial Energy Efficiency page: <http://www.idahopower.com/EnergyEfficiency/Business/>

From this page you can click on the Programs tab, then on the link for Custom Efficiency for Complex Projects to get to more info on the Custom program specifically.

Contact: Chris Pollow, PE, CEM

Energy Efficiency Engineer

Large Commercial & Industrial Customers

Idaho Power Company

208-388-5949, cpollow@idahopower.com

BPA's Energy Smart for Industrial Program

<http://www.bpa.gov/energy/n/industrial/facilities.cfm>

Energy Smart Industrial Program: http://www.bpa.gov/energy/n/industrial/program_overview.cfm

BPA provides technical specialists to work with BPA-affiliated utilities in Idaho, Montana, Oregon, Washington, Wyoming and manufacturers to achieve energy savings. Not all utilities in Idaho participate in BPA's program; examples include: Farmers Electric Coop, Idaho Falls Power, Kootenai Electric Coop, etc.

Contact: Jennifer Eskil, BPA Industrial Program Lead

509-527-6232, jleskil@bpa.gov

Other Funding Opportunities/Incentives/Rebates

Purchasing Green Power, Idaho Power Green Power Program

http://www.idahopower.com/NewsCommunity/OurEnvironment/GreenPower/default.cfm?WT.mc_id=GP00001b

Avista Utilities Energy Efficiency Incentives and Rebates

<http://www.avistautilities.com/business/rebates/Pages/default.aspx>

Contact Catherine Bryan: Catherine.Bryan@avistacorp.com

DOE Energy Efficiency and Renewable Energy Funding opportunities

<http://www1.eere.energy.gov/industry/financial/index.html>

DOE State Incentives Database

http://www1.eere.energy.gov/industry/states/state_activities/incentive_search.aspx

DSIRE Incentives & Renewables Information

<http://www.dsireusa.org/>

List of state-by-state opportunities at:

<http://www.dsireusa.org/incentives/index.cfm?re=1&ee=1&spv=0&st=0&srp=1&>

Federal Tax Credits for Energy Efficiency

www.energystar.gov/index.cfm?c=tax_credits.tx_index

Special Offers and Rebates from ENERGY STAR Partners

www.energystar.gov/index.cfm?fuseaction=rebate.rebate_locator

To encourage customers to buy energy-efficient products, ENERGY STAR partners occasionally sponsor special offers, such as sales tax exemptions or credits or rebates on qualified products. Partners also occasionally sponsor recycling incentives for the proper disposal of old products.

Training

DOE Systems Training Calendar

http://www1.eere.energy.gov/industry/bestpractices/events_calendar.asp

Northwest Energy Efficiency Alliance (NEEA)

<http://www.nwalliance.org/>

Non-profit corporation supported by electric utilities, public benefits administrators, state governments, public interest groups and energy efficiency industry representatives. These entities work together to make affordable, energy-efficient products and services available in the marketplace.

The Northwest Energy Efficiency Alliance offers the following training in Idaho.

Contact: industrial-training@industrial.nwalliance.org

Upcoming Training Events

Twin Falls, ID - Industrial Refrigeration Systems Energy Management

Thursday, May 20, 2010, , 7:30 AM - 4:30 PM

Boise, ID - Variable Frequency Drives and Energy Efficiency

Wednesday, May 26, 2010, , 7:30 AM - 4:30 PM

Boise, ID - Variable Frequency Drives and Energy Efficiency

Thursday, May 27, 2010, 7:30 AM - 4:30 PM

Searchable calendar for events/training

<http://www.nwalliance.org/participate/calendar.aspx>

Schneider Electric's Energy University

High quality, free interactive web training on everything from energy audits to financial analysis for energy projects. Designed for a generalist audience. <http://www.schneider-electric.com/sites/corporate/en/products-services/training/energy-university/energy-university.page>

Information Resources

DOE Expert Energy Consultations

1-877-EERE-INF (1-877-337-3463)

Webmail form: <https://www.eecbg.energy.gov/informationcenter/>

Quick link to DOE Idaho-related resources:

http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=ID

WSU Energy Extension

www.energy.wsu.edu

<https://www.eecbg.energy.gov/informationcenter/>

<http://www.energy.wsu.edu/apps/Projects/IndustrialServices.aspx> or

Contact: Linda Witham, Project Coordinator
360-956-2129

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EnergyExperts.org

<http://www.energyexperts.org/EnergySolutionsDatabase.aspx>

Ask an expert service; only available for Western Power Administration Area (NOT Idaho, Oregon, Washington), but database has some useful information.

Managed by WSU Extension

Resources for Small/Medium Businesses

Idaho Small Business Development Center

<http://www.idahosbdc.org/DocumentMaster.aspx?doc=1646>

For service, retail or wholesale small businesses with <500 employees and <10,000 sq. ft. space. Free energy evaluations tailored to identify energy-saving opportunities free of potential commercial conflicts of interest. They are accepting clients for June/July; typically a 30-day turnaround on an action plan/report.

Program Contact: 208-426-1511, Energy@IdahoSBDC.org,

or Joan Meitl, Environmental Assistance Coordinator

426-1839 (Boise area), 1-800-225-3815 (toll free), JoanMeitl@boisestate.edu

Manufacturing Extension Partnerships

IdahoTech

Traditionally perform lean assessments with small companies. IdahoTech will begin offering energy audits/walkthroughs as part of lean & clean assessments end of 2010. Developing capability to add a Clean/Green component with both environmental and energy assistance. Working on proposals to do some cost underwriting; no business is too small!

Contact: Mike Wojcicki, 208-426-3689

Energy Audit Guidebook

BPA Industrial Energy Audit Guidebook

A guidebook for performing walk-through energy audits of industrial facilities

http://www.bpa.gov/Energy/N/industrial/pdf/audit_guide.pdf

Some Fleet/Transportation Resources

Transportation & Climate Change Clearinghouse – Dept. of Transportation

<http://climate.dot.gov/ghg-reduction-strategies/index.html>

Western Sustainability and Pollution Prevention Network (WSPPN) Fleet Information

General: <http://wsppn.org/fleet/>

Training: <http://www.wsppn.org/fleet/Training.cfm>