

Energy/Facilities Connections 2010

Innovative Approaches for the New Decade

May 12-14, 2010

Enzian Inn • Leavenworth, WA

Hosted by the Plant Operations Support Consortium

WASHINGTON STATE UNIVERSITY
 EXTENSION ENERGY PROGRAM

www.energy.wsu.edu



Welcome

to the Plant Operations Support Consortium's 2010 conference
Innovative Approaches for the New Decade

Welcome to Leavenworth! The WSU Extension Energy Program is proud to host the 2010 Energy/Facilities Connections conference. It is my hope that this presents an opportunity for each of you to link challenges with solutions. I encourage you to discuss facilities and energy-related best practices, and to share the lessons that you have learned from your own experience.



Over the next few days, take advantage of the chances that you will have to network and

connect with other professionals and subject matter experts.

Participate in the discussions. Offer your perspectives. Record your observations, so that others in your organization may learn from your experience as part of this conference.

I hope that you benefit from and enjoy the 2010 Energy/Facilities Connections conference.

Sincerely,

Jacob C. Fey, Director
WSU Extension Energy Program

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Conference Host: Washington State University Extension Energy Program

Wednesday, May 12, 2010

7:00 - 9:00 a.m.	Registration A full breakfast is available in the Enzian Inn restaurant with your hotel reservation	
8:00 a.m. Continental Room	Welcome Remarks: Nancy Smith, Leavenworth Chamber of Commerce Announcements: Bob MacKenzie, POS Consortium Introductions: Jake Fey, WSU Extension Energy Program	
Session 1 8:30 - 9:45 a.m. Continental Room	Joint Session <i>Leadership in a New Decade</i> Panel: Paula Hammond, Dept. of Transportation <i>(right)</i> Jake Fey, WSU Extension Energy Program Shawn King, Eastern Washington University Steve Sinclair, Dept. of Corrections/State Penitentiary	
9:45 - 10:00 a.m.	Break	
Session 2 10:00 - 11:20 a.m.	Leadership Track (Danube) <i>Energy Efficient Operations in a Shrinking Budget Environment</i> Perry England & David Nieman, MacDonald-Miller Ray Congdon, CB Richard Ellis	Technical Track (Alpine) <i>It's All About HVAC Systems and Saving Big Bucks!</i> Greg Jourdan, Wenatchee Valley College Dr. Mike Brambley, Battelle Pacific Northwest National Laboratory
Tool Time 11:20 - 12 Noon	Diagnostic Tools for Effective Operations	
Lunch / Keynote 12 Noon - 1:20 p.m. Continental Room	Energy Approaches for the New Decade State Representative Hans Dunshee, 44th District, Lake Stevens/Marysville/Mill Creek/Snohomish Entertainment: <i>Wenatchee High School Mariachi Azteca</i>	
Session 3 1:20 - 2:40 p.m.	Leadership Track (Danube) <i>Innovative Thinking for Facility Managers</i> Mike O'Connor, Quantum Engineering Roger Wigfield, General Administration Energy Team	Technical Track (Alpine) <i>Resource Accounting: Track, Measure and Prosper</i> Karen Messmer & Karen Janowitz, WSU Extension Energy Program
2:40 - 3:00 p.m.	Break / Tool Time / Entertainment: <i>Wenatchee High School Hytones</i>	
Session 4 3:00 - 4:20 p.m.	Leadership Track (Danube) <i>How to Conduct an In-House Energy Assessment</i> Ray Burton, McKinstry	Technical Track (Alpine) <i>LEED EB Operations & Maintenance: A Roadmap for Greening Your Facilities</i> Todd McGuire, Glumac Eric Baxter, Brightworks
5:00 - 7:00 p.m.	Network Connections – Hosted by Johnson Controls, Inc. <i>King Ludwig's Restaurant, Leavenworth. Dinner afterwards on your own.</i>	



Joint Session	Keynote Speaker	Leadership Track
Technical Track	Custodial Connections	Tool Time

Thursday, May 13, 2010

7:00 a.m.	A full breakfast is available in the Enzian Inn restaurant with your hotel reservation	
8:00 a.m.	Announcements: Bob MacKenzie	
Keynote 8:10 - 9:30 a.m. Continental Room	<i>Facilities and Energy Fusion – A Formula for Success</i> Bob Cowan, Manager of Facilities Engineering, Fred Hutchinson Cancer Research Center	
Session 5 9:30 - 10:50 a.m.	Joint Session (Alpine) <i>Innovative Utility Energy Approaches</i> Panel: Tom Lienhard, Avista Jim West, Snohomish County PUD Bob Balzar, Seattle City Light Bob Stolarski, Puget Sound Energy	
10:50 - 11:00 a.m.	Break	
Session 6 11:00 a.m. - 12 Noon	Leadership Track (Danube) <i>Tapping the Power of Facility Information</i> Avtar Gill, Johnson Controls	Technical Track (Alpine) <i>Benchmarking the Energy Performance of Your Facility</i> Cynthia Putnam, BetterBricks
Lunch / Keynote 12 Noon - 1:20 p.m. Continental Room	<i>Making a Difference Today, While Making a Mark Tomorrow</i> Stephen Ashkin, The Ashkin Group, LLC	
1:20 - 1:30 p.m.	Break / Entertainment: Wenatchee High School Golden Apple Band	
Session 7 1:30 - 2:50 p.m.	Leadership Track (Danube) <i>IAQ Successes at Many Levels</i> Rich Prill, WSU Extension Energy Program David Blake, Northwest Clean Air Agency	Custodial Connections (Alpine) <i>Trends and the Future of Cleaning and Maintenance</i> William Griffin, Cleaning Consultant Services, Inc.
2:50 - 3:00 p.m.	Break / Entertainment: Wenatchee High School 4-Tune Hunters	
Session 8 3:00 - 4:20 p.m.	Leadership Track (Danube) <i>Alternative Forms of Financing/ Budgeting</i> David Clifton, Housing Finance Commission Anthony Amendola, Amendola Enterprises John MacLean, EEFC	Custodial Connections (Alpine) <i>Green Cleaning – The Past, Present and Future</i> Stephen Ashkin, The Ashkin Group, LLC
4:20 p.m.	Adjourned – Dinner on your own.	

Joint Session	Keynote Speaker	Leadership Track
Technical Track	Custodial Connections	Tool Talk

Friday, May 14, 2010

7:00 a.m.	A full breakfast is available in the Enzian Inn restaurant with your hotel reservation	
Session 9 7:30 - 8:30 a.m.	Leadership Track (Danube) <i>Planning Ahead – CMMS, Boon or Bane?</i> Chuck Dollar, Honeywell Bob MacKenzie, POS Consortium	Custodial Connections (Alpine) <i>How to Restructure and Change to Fit Your Funding</i> Gene Woodard, Univ. of Washington
8:30 - 8:45 a.m.	Break / Announcements: Bob MacKenzie	
Session 10 8:45 - 9:45 a.m.	Leadership Track (Danube) <i>Making the Business Case for Energy Upgrades</i> Terry Egnor, BetterBricks	Custodial Connections (Alpine) <i>Cleaning for a Healthier Environment</i> Allen Rathey, InstructionLink/ JanTrain, Inc.
Session 11 9:45 - 10:45 a.m.	Leadership Track (Danube) <i>Energy Star Advantages</i> Bryan Visscher, Wenatchee School District Donna Albert, Dept. of General Administration Andrew Williamson, McKinstry	Custodial Connections (Alpine) <i>Validating Cleaning Effectiveness: Science, Certification and Standards</i> William Griffin, Cleaning Consultant Services, inc.
10:45 - 11:00 a.m.	Break	
Session 12 11:00 a.m. - 11:20 a.m. Alpine Room	Joint Session <i>Engrossed House Bill 2836 – A \$100 Million Investment</i> Features a panel of experts from the Washington State Departments of Commerce, General Administration, the Office of the Superintendent of Public Instruction, and the WSU Extension Energy Program.	
Session 13 11:20 a.m. - 12:30 p.m.	Leadership Track (Danube) <i>Engrossed House Bill 2836 – A \$100 Million Investment</i> <i>(Panel Discussion Continued)</i>	Custodial Connections (Alpine) <i>Custodial Roundtable Discussion</i>
12:30 p.m.	Adjourned	

Joint Session	Keynote Speaker	Leadership Track
Technical Track	Custodial Connections	Tool Talk

Featured Speakers

Hans Dunshee

State Representative, 44th District
Snohomish, Washington

Hans Dunshee has served the citizens of Snohomish County in the state legislature for 12 years. He serves as the Vice-Chair on the House Appropriations Committee. He is respected for his independence and straight-forward approach. He is an avid outdoorsman with a passion for gardening, kayaking and biking. He is a lifelong student of history.

Dunshee earned his bachelor degree at the University of Washington – he lettered in wrestling – and his masters from Western Washington University.



Stephen P. Ashkin

President, The Ashkin Group, LLC
Bloomington, Indiana

Stephen Ashkin is well known throughout the professional cleaning, education, healthcare, and building-management industries as the “Father of Green Cleaning.” He has played a pivotal role in setting industry standards, promoting environmentally preferable products, and advocating for socially responsible practices.

Ashkin is a 28-year veteran of the professional cleaning industry. He is President of The Ashkin Group, a consulting firm specializing in Greening the cleaning process, and Executive Director of the Green Cleaning Network - both based in Bloomington, Indiana. He is the co-author of *The Business of Green Cleaning* and *Green Cleaning for Dummies*.

The Ashkin Group provides Green consulting services for building owners, product manufacturers, distributors and cleaning contractors, as well as advocates, environmentalists and policy makers.



Bob Cowan

Director of Facilities Engineering
Fred Hutchinson Cancer Research Center
Seattle, Washington

Bob Cowan is the Director of Facilities Engineering for the Fred Hutchinson Cancer Research Center. He is responsible for day-to-day operations, maintenance and repair of the beautiful, highly complex, world class, 1.4 million square foot, Fred Hutchinson Campus. The 13-building campus, located in Seattle, is dedicated to both cancer research and treatment, has over 3,000 staff and boasts of three Nobel Prize winners amongst the staff.

Bob’s been at the “Hutch” over 11 years and during that time has overseen an expansion program of more than 700,000 square feet, helped the center win over 20 energy awards at both the local and national level, and weathered numerous inspections (JCAHO, DOH, FDA, AAALAC, CAP, etc.).



Session Descriptions

Wednesday, May 12

Session 1

Joint Session

Leadership in a New Decade

Hear insightful perspectives from a diverse, blue-ribbon panel on leadership challenges and opportunities affecting their organizations and customers. Bring your questions and let's benefit together!

Session 2

Leadership Track

Energy Efficient Operations in a Shrinking Budget Environment

Energy efficiency and cost savings can be achieved while increasing overall environmental comfort. Knowing what to do, how to do it with little to no capital investment, and how to measure the anticipated outcomes is extremely important and financially rewarding. This session will highlight the benefits and proven methods for prioritizing investments in energy efficiency projects.

Technical Track

It's All About HVAC Systems and Saving Big Bucks!

Join us to review current DDC control trends and recent advances in network communication protocols. Topics will include DDC software and standardized integration of BacNET, LON, and OPC (Open Processor Controls). A highlight of this session will be the top five energy saving opportunities of any DDC control system.

TOOL TIME: Diagnostic Tools for Effective Maintenance Programs

Visit tool talk stations to observe demonstrations of new and useful instruments for imaging, taking measurements, troubleshooting equipment, logging activity, metering, and diagnosing problems. Tool Time offers information in a non-commercial way and is designed to support the theme of the conference – *Innovative Approaches for the New Decade*.

Lunch/Keynote

Representative Hans Dunshee **Energy Approaches for the New Decade**. The Vice-Chair of Appropriations for the Washington State House of Representatives' Capital Budget committee, and a strident advocate of energy and efficiencies, keynotes to discuss his job's bill and other initiatives.

Session 3

Leadership Track

Innovative Thinking for Facility Managers

Learn how sound decision-making and effective execution can provide the highest rate of return for energy upgrades. Hear about the connections of routine, corrective, and preventive maintenance to maximize energy efficiencies. Bring your perspectives and let's make it happen!

Technical Track

Resource Accounting: Track, Measure and Prosper

Be the first to hear results from a nationwide survey on the benefits and challenges of a variety of resource accounting tools. Discover how to measure your resources and interpret those measurements for more effective and efficient management. This session will provide numerous innovative options on how to manage resources, reduce costs, and communicate successes and needs.

Session 4

Leadership Track

How to Conduct an In-House Energy Assessment

Join Ray Burton as he helps create a toolkit for assessing how facilities use energy, and how to reduce utility costs. Learn how to prioritize and justify your actions, while saving dollars. You'll learn how to leverage your own staff to bring about enduring and positive change.

Technical Track

LEED EB Operations & Maintenance: A Roadmap for Greening Your Facilities

This presentation provides an overview of the newly revised LEED EB O&M program and how to distill successful strategies for "greening" and optimizing facility performance with (or without) formal LEED implementation.

Participants will be introduced to the format and categories of the LEED program as a general guide for understanding and prioritizing methods to reduce cost and cut building footprint impacts.

Thursday, May 13

Morning Keynote

Bob Cowan, Fred Hutchinson CRC *Facilities and Energy Fusion – A Formula for Success*

Learn how innovative, nationally-acclaimed energy and facilities initiatives have been leveraged and fused to form a fantastic 24-7 underpinning in the Northwest's major cancer research center. It's taken five years, but we have finally been able to pull Bob away long enough to impart his lessons-learned and answer your questions!

Session 5

Joint Session

Innovative Utility Energy Approaches

Five innovative utilities' providers join us to describe their respective approaches to incentives, upgrades, rebates and more. This will be a session worth every moment invested!

Session 6

Leadership Track

Tapping the Power of Facility Information

Learn how to tap into technology to manage all aspects of your facility. Discover ways to quickly sort through relevant data to enable smooth, efficient decision-making and prioritization.

Technical Track

Benchmarking the Energy Performance of Your Facility

In today's challenging economy, it is easy to appreciate the benefits of conserving energy. But, it is not always easy to determine how to accomplish desired savings. Is LEED, or some other metric of performance the answer? This interactive session will help you to think strategically about the energy management goals of your company/facility – and offer a roadmap for critical thinking about energy costs and building performance.

Note: All sessions subject to last minute changes.

Session Descriptions

Lunch / Keynote

Stephen Ashkin, The Ashkin Group, LLC
Making a Difference Today, While Making a Mark Tomorrow
The “Father of Green Cleaning” joins us all the way from Indiana to describe how our leadership actions today will make an enduring mark on generations to come. A fantastic opportunity to hear from the man who started it all!

Session 7

Leadership Track

IAQ Successes at Many Levels

Indoor air quality problems impact health and productivity, and solving them can be complex and expensive. Like health issues, prevention makes the most sense. Experts Rich Prill and David Blake share success stories from across the Northwest and provide practical tips on how to prevent IAQ problems from harming your occupants and crippling your budgets.

Custodial Connections

Trends and the Future of Cleaning and Maintenance

Don't miss this thought-provoking presentation. Bill Griffin, President of Cleaning Consultant Service, Inc. and author of 10 books and over 300 articles on cleaning and maintenance will give us a peek around the corner and into the future. Learn how changes in society, facilities, equipment and technology will impact the way you go about your work today, tomorrow and 10 - 20 years from now. Bring an open mind, along with your thoughts and questions to this interactive session.

Session 8

Leadership Track

Alternative Forms of Financing/Budgeting

Recent federal acts have created substantial funding for energy efficiency / renewable energy improvements within your facility that can immediately improve your organization's bottom line. This session will detail the myriad of financing alternatives for energy projects that are available at the local, state, federal and quasi-public/private venues. Join us and gain a solid understanding of the project development and finance process.

Custodial Connections

Green Cleaning – The Past, Present and Future

Green Cleaning is more than a method... it's a way of enhancing your organization's ways of doing business! Come hear how Green Cleaning can be implemented and why it makes *cents*!

Friday, May 14

Session 9

Leadership Track

Planning Ahead – CMMS, Boon or Bane?

Computerized maintenance management systems can help you capture your facility's data, advocate and benchmark, while organizing your work order system. Or, they can be boat anchors! Learn from “been there, done that” practitioners who have maximized this tool for optimal performance!

Custodial Connections

How to Restructure and Change to Fit Your Funding

Learn how the University of Washington became a national custodial leader by reinventing operational savvy amid tight fiscal restraints. Gene Woodard will tell you how to make it work! This is worth your time!

Session 10

Leadership Track

Making the Business Case for Energy Upgrades

Make informed decisions. Learn how to speak “CFO” by selecting and applying the right financial analysis tools for energy management projects. This hands-on session provides an overview of financial analysis methods commonly used to evaluate specific projects such as equipment upgrades, renovations, and new construction opportunities.

Custodial Connections

Cleaning for a Healthier Environment

Explore the philosophy, data and supporting science of cleaning as a form of preventative healthcare, and ultimately of health enhancement.

Session 11

Leadership Track

Energy Star Advantages

This presentation will discuss benchmarking your facility with Energy Star Reporting. Learn how to baseline your

own facility and then address your energy savings potential with a range of strategies from low cost/no cost initiatives to capital projects and long term energy management planning.

Custodial Connections

Validating Cleaning Effectiveness: Science, Certification and Standards

Bill Griffin will discuss how science based validation of cleaning processes and results are replacing seat of the pants and marketing based research studies. ATP, Gloss Meters and tribometers are just the start when it comes to the tools now being used to implement what is becoming known as Integrated Cleaning and Measurement (ICM). Griffin will also review available industry standards and certification program related to cleaning and maintenance.

Sessions 12 and 13

Joint Session 12 and

Leadership Track Session 13

Engrossed House Bill 2836 – A \$100 Million Investment

Make a difference! Provide input to the agencies charged with developing criteria for receipt of \$100 million in grant funds. A panel of representatives from the organizations making this happen will explain how funds will be targeted toward energy improvement projects in K-12 and higher education arenas. A great opportunity to meet and greet agency reps administering this unique program!

These sessions continue the discussion that began with Rep. Hans Dunshee's keynote address.

Session 13

Custodial Connections

Custodial Roundtable

Join us for a wrap-up of everything we have covered in the Custodial Connections Symposium, and more! This is your chance to rub elbows with the leaders of the vaunted custodial industry!