



The end-to-end reliability forum.

Northwest Chapter

WWW.7X24NW.ORG

Mission Statement

The 7x24 Exchange Northwest Chapter's mission is to provide an open educational forum dedicated to the continuous improvement and increased awareness of data center reliability focusing on the key disciplines of design, construction, maintenance, security and management with the goal of obtaining continuous data center operations.

Mark Your Calendar

October 1, 2002
7x24 Exchange NW Chapter
Fall Session
Hyatt Regency
Bellevue, WA
4pm - 7pm

November 17 - 20, 2002
7x24 Exchange
National Fall Conference
The Phoenician
Scottsdale, AZ
www.7x24exchange.org

February 4, 2003
7x24 Exchange NW Chapter
Winter Session

fall 2002

UPDATE

Spring Chapter Session - Developing Technologies in Server Design Prediction and Control of Data Center Airflow Energy Code Update

The Spring Session provided members with valuable information about developing server technologies, diagnostic tools and new energy codes that will all have an impact on data center design, construction and operation.

Stephen Montgomery of Intel presented a discussion on advances in server chip design and some of the intriguing experiments addressing cooling for higher density processor sets. Steve can be reached at: stephen.w.montgomery@intel.com.

Dr. Suhas Patankar of Innovative Research demonstrated a new predictive software model that can be used to diagnose airflow problems in the raised floor environment. The software can also be used to design new spaces in order to provide uniform underfloor cooling to provide maximum efficiency. More information is available at: www.inres.com.

Tim Burns of PSF Mechanical gave an overview of the recently enacted Washington State Energy Code and the potential impacts on data center design. Of particular interest were the new requirements for incorporating economizer elements into data center mechanical systems. For more information, contact Tim at: tburns@psfmech.com.

Board Elections to be Held at Winter Session

At the Winter session in February, our chapter will be holding elections for board positions as required by our charter. In addition, we are currently looking for a chair for the program committee. Bring your nominations and ideas to the Winter session which will be held on February 4, 2003.

Presentations Needed

The Northwest Chapter needs your ideas for presentations for upcoming sessions. With all the changes in the mission critical business over the last two years, topics should be plenty. Give us your ideas or requests for presentations to keep our chapter sessions informative and timely. Contact any one of our board members or email your suggestions to: lruff@callison.com.



Data Center Roundtable

Date
Tuesday, October 1, 2002
4 - 7 pm

Hyatt Regency
Bellevue
900 Bellevue Way NE
(At Bellevue Place)
Bellevue, WA

Agenda

- 4:00 Symposium:
 Seismic Mitigation
 at Boeing
- 4:45 Break
- 5:00 Energy Use In
 Data Centers-
 A Panel Discusstion
- 6:00 Break
- 6:30 Energy Code
 Workshop
 Development
- 7:00 Adjourn

Seismic Mitigation at Boeing

Greg Dymarkowski - Boeing Kent Data Center Management Focal
Dwight Dobrowits - Boeing Bellevue Data Center Management Focal

Greg and Dwight will present an overview of the seismic mitigation program used at the Boeing Data Centers in Kent and Bellevue. They will address the needs for mitigation in a sensitive and critical environment, the decision process, the methods used, hurdles involved, and their approach to implementation. In addition, Greg and Dwight will review the aftermath of the February, 2001 Nisqually earthquake.

Energy Use in Data Centers A Panel Discussion

Doug Bors, PE Principal, Sparling
John Rowland, PE, Principal/President, Notkin Engineering
Max Baker, PE, Project Manager, Notkin Engineering

The California Energy Commission is funding research into the use of energy in data centers. The Energy Commission hopes to facilitate a 30% reduction in energy use. The research is being carried out by the Lawrence Berkeley National Lab.

John Hogan, with DCLU Seattle, forwarded a press release about the research to several data center designers around Seattle. The research implies we should expect code changes to limit energy use in data centers. Thus, the issue of energy effectiveness in data centers takes on a new sense of immediacy.

John Rowland and Max Baker with Notkin Engineers will join Doug Bors with Sparling to talk about energy efficient design ideas in the context of mission critical facilities.

Energy Code Workshop

Stan Price
Northwest Energy Efficiency Council

The 2001 Washington State Energy Code became effective on July 1st of this year. Significant changes were made to the Chapter 14 mechanical systems section for non-residential buildings. While updates to the equipment efficiency tables simply brought the code to ASHRAE 90.1-1999 standards, changes to requirements in the use of economizers and in humidification requirements are more substantial. These changes may particularly affect computer server room design. Sections 1423 and 1433 of the code now require economizers on all new systems including those for server rooms. Additionally, the code now requires that humidifiers used on systems with air economizers be of the adiabatic type. These changes may present new challenges to the mechanical system design community.

The Northwest Energy Efficiency Council is presenting a professional development workshop opportunity for interested professionals who want to learn more about these new code requirements. Jeff Sloan and Scott Rushing of the McKinstry Company participated on the Energy Code Technical Advisory Group of the State Building Code Council and have developed material for this workshop. Dates and locations for the workshop series to be held in Seattle, Spokane, and the Tri-Cities are pending and will be published soon at .

RSVP
by Thursday, September 26

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Support Services

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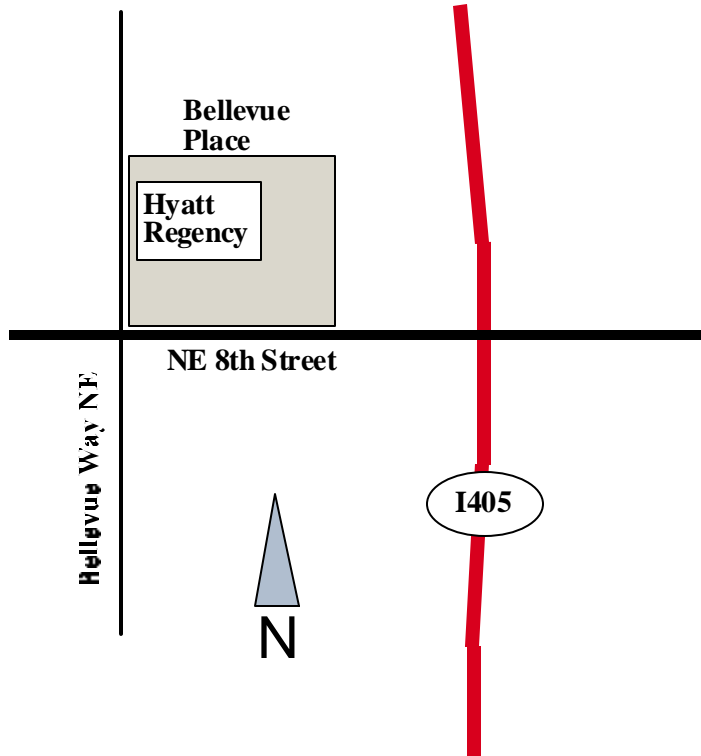
Space is limited to promote
interactive discussion.

Washington State is adopting a revised energy code, effective July 1, 2002, which includes language affecting computer server rooms. This overview of economizer requirements in the new code will highlight differences from the previous code, discuss basic modes of operation, and address planning considerations for new projects.

Directions

From I-90:
Take I-405 North
Exit on NE 8th St.
Go west and turn
North on Bellevue
Way NE

From SR-520:
Take I-405 South
Exit on NE 8th St.
Go west and turn
North on Bellevue
Way NE



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Northwest Chapter

Membership Application

Membership Type: Individual \$50 per year Corporate \$200 per year
 Renewal New Member

For corporate memberships, complete one application for each individual and return the applications together with your membership fee. Corporate memberships may include an unlimited number of members per company. Send applications and payment to: Leonard Ruff, Callison Architecture, 1420 Fifth Avenue, Suite 2400 Seattle, WA 98101. Make checks payable to: 7x24 Exchange Northwest Chapter

Name: _____

Title: _____

Company: _____

Mailing Address: _____

City: _____ State: _____

Country: _____ ZIP Code: _____

Telephone: _____ Fax: _____

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Remember, you can register on-line at: www.7x24nw.org.

