

Making
AIRPORT TERMINALS
More **ENERGY EFFICIENT**

SAVE MONEY AND RESOURCES



Seattle, Washington

January 24 - 25, 2005

Sponsored By:

Seattle-Tacoma International Airport,
U.S. Department of Energy, U.S. Environmental Protection Agency,
Siemens Building Technologies, Inc., The Bonneville Power Administration,
Washington State Department of Energy/General Administration



December 1, 2005

On behalf of the many distinguished sponsors who have made this event possible, welcome to the Seattle Summit on "Making Airport Terminals More Energy Efficient."

The Summit will focus upon the important leadership role that commercial airports have played nationally in improving building efficiency and how this experience can be used to build momentum at airports nationally. Panels will be composed of experts from across the nation that will examine:

- Approaches for guaranteeing benefits and minimizing risks for airports, airlines, and tenants
- How to obtain political and funding support
- Keys to developing a successful, customized conservation program

The Summit will be interactive, with time reserved for dialogue between speakers and the audience. There will be breakout sessions to accommodate more focused and extended dialogue to answer questions, address concerns, and provide guidance for establishing successful programs for reducing energy use in both new and existing buildings.

The rewards of maximizing energy efficiency at airports are many and include:

- Reducing operating costs
- Improving environmental quality
- Decreasing dependence on foreign oil
- Strengthening community relations
- Gaining regulatory flexibility to accommodate growth

The program begins at 1 p.m. on Monday, January 24th and will end at 4:30 p.m. on Tuesday, January 25th. The Sheraton Hotel provides a comfortable venue with great views of the waterfront and is located only a short distance from the infamous Seattle Seafood Market.

This will be an exciting event. I look forward to seeing you there.

Sincerely,

Mark M. Reis
Managing Director
Seattle-Tacoma International Airport

P.S. We will be offering a special "behind the scenes" tour of the SeaTac terminal, showing systems we have implemented recently to reduce our energy use by over 20%. The tour will take place from 9 to 11 a.m. Monday morning prior to the Summit (which starts at 1 p.m.). If you would like to participate, please check the box on the registration brochure and we will send you more information.

Seattle-Tacoma
International Airport
P.O. Box 60727
Seattle, WA 98168 U.S.A.
TELEX 703423
FAX (206) 421-6912



Registration Form

Please print or type entire form and include payment with your registration. Confirmations will be sent via E-mail, please include your address.

First Name _____ Last Name _____
Title _____ Organization _____
Address _____
City _____ State _____ Zip/Postal Code _____
Phone _____ Fax _____ E-mail _____

I would like to participate in the tour of SeaTac, please send me more information.

Registration Fee:

\$195 for payments received by close of business, Friday, January 14, 2005.
After January 14, please register on our web site at
www.cleanairports.com, or at the door.
The fee will be \$275 for late registration.

Payment Information:

Registration fees are in U.S. dollars and must be paid in U.S. dollars

Visa Mastercard American Express Check Enclosed

Please make check payable to the Clean Airport Partnership (CAP)

Card# _____ Expiration date _____

Signature _____

Credit card registrations may be sent via fax to 303.526.3047
or mail with payment to:
Clean Airport Partnership
Attn: The Seattle Summit
P.O. Box 16056
Golden, CO 80402

Questions: Seattle Summit
Phone: 303.526.0203 or Fax: 303.526.3047
E-mail: info@cleanairports.com

Making Airport Terminals More Energy Efficient



January 24-25, 2005

Day 1

12:30-1:00 Welcome and Overview

- **Mark Reis**
Managing Director, Seattle-Tacoma International Airport

1:00-2:00 Approaches for Insuring Benefits and Minimizing Risks for Airports, Airlines, and Tenants

The rewards of investing in energy conservation must be substantial and provide quick and guaranteed financial returns to be justified by airports and their tenants during these tight financial times. Experts will share their experiences and provide guidance on how to secure significant returns on investment while minimizing downside risks.

- **Don Heindrich**
Delta Airlines
- **Charles Giesler**
(invited) McCarran (Las Vegas) International Airport
- **Bob Dixon**
President (invited), National Association of Energy Service Companies

2:00-2:30 Break

2:30-3:30 Enlisting the Support of Champions

Launching conservation programs requires making a compelling case, internally, and obtaining policy and political support from key leaders at the state and local levels. Panelists will provide overviews of how this support was developed, the forms it assumed, and how it aided the development of airport energy conservation initiatives at specific airports.

- **Clint Lougheed**
Energy Conservation Manager, Engineering & Architectural Services; Washington State Department of General Administration
- **Brian Henderson**
Director, Energy Efficiency Services; New York State Energy and Research Development Administration
- **Donald Fram**
Chief Architect, Port Authority of New York & New Jersey

3:30-5:00 Building Upon Success (3 case studies)

Three experts with hands-on experience share their insights, lessons learned, and provide guidance to others on the keys to developing successful programs for maximizing efficiency in airport buildings.

- **Douglas Holbrook**
Manager, SeaTac Utilities, Aviation Facilities & Infrastructure; Seattle-Tacoma International Airport
- **Roy Holder**
L.M. Holder III, FAIA; Austin-Bergstrom International Airport
- **Jerry Dennis**
Energy Manager, Dallas-Fort Worth International Airport

5:00-7:00 Reception

Day 2

8:30-10:00 The Rewards of Conservation (Breakout Sessions of 30 Minutes Each)

Experts with hands-on experience will lead breakout sessions identifying the obvious and not-so-obvious benefits of implementing building efficiency initiatives. Four breakout sessions will run concurrently for periods of 30 minutes each, providing participants with the opportunity to circulate between sessions. Facilitators will establish points of contact for those wishing to obtain more information on specific issues. They will also convey their experience; answer questions; stimulate dialogue; and help participants clarify the steps they can take to support building efficiency programs.

Guaranteeing Savings While Minimizing Risk

- **Dan Hering**
Manager, Performance Contracting; Siemens Building Technologies, Inc.

Meeting the Energy Needs of Security/Hedging Future Energy Costs by Extending Capacity

- **Douglas Holbrook**
Manager, SeaTac Utilities; Aviation Facilities & Infrastructure

Obtaining Environmental Credits to Accommodate Growth

- **Art Dien**
U.S. Environmental Protection Agency

LEED Standards for Buildings

- **Tom Paladino**
(invited) Paladino & Company, Board of Director; U.S. Green Building Council

10:00-10:30 Break

10:30-12:00 Set-up and Implementation: Keys to Developing a Successful Building Efficiency Program

Panelists will identify the "building blocks" for maximizing building efficiency and provide guidance based upon case experiences for customizing programs to meet the needs of specific airport sites.

Seek First to Understand: Assessing the Opportunities

- **Charles Culp, Ph.D., P.E.**
Associate Director, Energy Systems Laboratory; Texas A&M University

Define Aggressive but Attainable Goals

- **Mike Hatton, P.E.**
Principal, Solarc Architecture & Engineering

Develop a Plan for Implementation

- **Tom Rossbach**
Senior Aviation Services Manager, HNTB Corporation
- **Rand Ekman, AIA, LEED AP**
OWP&P Architects



S. Richard Fedrizzi, CEO
U.S. Green Building Council

12:00-1:00 Luncheon and Keynote Speaker

- **S. Richard Fedrizzi**
President, CEO and Founding Chairman, U.S. Green Building Council

1:00-2:30 Funding Conservation Programs

While conservation programs can provide quick return on investment, capital investments can pose significant challenges to



financially burdened airports and airlines. Panelists will provide examples and an overview of innovative financing and grant programs that can help to defray capital costs.

- **Mark Bailey**
Director (invited), State and Community Programs, Office of Energy Efficiency and Renewable Energy; U.S. Department of Energy
- **David DeLude**
Vice-President, United Financial of Illinois
- **Tom Paladino**
(invited) Paladino & Company, Board of Directors; U.S. Green Building Council
- **Ken Keating**
Coordinator of Market Transformation, Bonneville Power Administration

3:00-3:45 Maintaining the Savings

Once energy programs have been implemented it is important to monitor progress to insure long-term progress and to identify new opportunities as technology and software evolves. Experts will cite case examples in helping to establish effective programs for maintaining energy savings.

- **Paul Torcellini, Ph.D.**
National Renewable Energy Laboratory
- **Paul Welker**
Portland Energy Conservation, Inc.

3:45-4:00 Going Home and Getting Started

- **Steve Howards**
Executive Director, Clean Airport Partnership, Inc.

Cancellation Policy:

Because of the nominal fee associated with attending this event, all registrations are final. There will be no refunds.

Site Information and Directions:

For information and driving directions to the Sheraton Seattle Hotel and Towers in Seattle, Washington visit their web site at: www.sheraton.com/seattle.

Room Reservation:

A limited block of rooms has been reserved for Summit attendees at the rate of \$119 plus tax. For reservations call 1.888.627.7056 or 206.621.9000. **Please reference the Seattle Summit.** These discounted rates are guaranteed until January 14, 2005 based upon availability. Please make your reservations early.

Exhibition Space:

Limited exhibition space is also available. For more information please contact: info@cleanairports.com (or phone 303.526.0203)



SIEMENS

