

Sustainability & Energy Efficiency - Bridging the Gap from Concept through Operations

ASHRAE, AEE, BOMA, IFMA, USGBC New York City Chapters, the General Services Administration, and NYSERDA co-host a day long seminar on interdisciplinary collaboration in support of sustainable building design, construction, and operations practices.

Networking Reception & Green Zone Exhibits to follow the sessions

Tuesday May 6, 2008

Alexander Hamilton US Customs House
One Bowling Green, New York, New York

Conference Agenda

Bridging the Gap from Concept through Operation

Tuesday, 6 May 2008

Starting Ending Description Speakers

8:00 AM 9:00 AM Registration

9:00 AM 9:30 AM Welcome from Executive Directors of sponsoring organizations

9:30 AM 10:00 AM PlaNYC and the Need to Bridge the Gap

Ariella Maron - Mayor's Office of Long-term Planning and Sustainability

10:00 AM 10:20 AM Clinton Climate Initiative Activities in the Buildings Sector

Kathy Baczko - Clinton Climate Change Initiative

10:20 AM 10:00 AM Q&A

10:00 AM 10:45 AM 15-Minute Break

10:45 AM 12:15 PM Session 1: Developing and Transmitting Intent

- **Fiona Cousins – President USGBC NY & Principal Arup**

- **Michael English – Horizon Eng**

- **LCOR – O&M Contractor**

12:15 PM 1:30 PM Lunch

1:30 PM 3:00 PM Session 2: Feedback from Operations to Design

- **Geraldine Walsh (Grubb Ellis)**

- **Brandon Mitchell (Full Spectrum New York)**

- **Michael Gubbins (Albanese)**

- **Elias Dagher (Dagher Engineering)**

3:00 PM 3:15 PM 15-Minute Break

3:15 PM 5:15 PM Session 3: Keeping Score - The Metrics of Building Environmental Performance

Case Study Presentation - The Hearst Building

- **Louis Nowikas Hearst Corp**

- **Scott Frank - JB&B**

- **Daniel B. Husserl - Nelson**

5:15 PM 7:30 PM Cocktails and Networking

Abstract:

New York's roughly 950,000 buildings are responsible for a vast majority of the city's carbon dioxide emissions. In sharp contrast to the national average of about 32 percent, the city's buildings are responsible for 79 percent of the greenhouse gases produced by the city and are being cut each year, according to the study, conducted by the city's Office of Long-Term Planning and Sustainability. There is now greater awareness among Developers, Financiers, Owners, Contractors, Operators, Tenants and the General Public that reducing carbon footprint of buildings needs to become an essential mission for refurbishment of existing buildings as well as development of new properties.

As a result, the green, high performance buildings industry is experiencing exponential growth in interest by all stakeholders. A plethora of new technologies and practices have rapidly evolved with the intent of reducing buildings'

impacts on the environment. An overwhelming amount of information is flooding the buildings trade literature with claims about improved performance..

A variety of reports have stated the increased comfort levels, health benefits, and energy cost savings benefits of green buildings, and often savings resulting from energy use reduction and higher productivity are cited as offsetting any additional first costs of green buildings. Most of the benefits, though, are based on predicted, not measured, savings. Bridging the gap between great intentions in design and construction, toward building performance at the desired levels, is a major challenge. To help such professional discussions on these issues, the area Professional Organizations, AEE, ASHRAE, IFMA, USGBC along with NYSERDA, and GSA are sponsoring an all-day seminar, titled: "Sustainability and Energy Efficiency - Bridging the Gap from Concept to Operations". This Seminar will focus on the following key areas:

- **Key Note Opening & Lunch Speakers** – Focusing on issues from concept to operations and the need for the collaborative involvement of Design, Construction and Operations team from a project's inception.

- **Session 1 Developing And Transmitting Intent**

Each successive project phase -- from concept development through design to construction and finally hand-over to ongoing building operations -- embodies the previous phase's Intent and Requirements. Yet how well articulated is this at each phase? Can better attention to clear statements of intent help us to consistently realize our project goals? Are there ways to articulate Intent and Requirements systematically and in terms of quantifiable outcomes? Speakers from various project phases will discuss their approaches to and experiences with statement of Intent and Owner Requirements.

- **Session 2 Feedback From Operations To Design**

Our operation and use of buildings tells us a lot about how they really work, what the ultimate users really like and appreciate, and what doesn't work as we might have thought. Capturing this kind of information in a type of "post-occupancy evaluation" is fairly new to the field. And getting it fed back into the design process is even newer. A few firms and organizations have been leading on this – incorporating iterative learning from projects and even getting operational staff involved in the design phase. Their stories are enlightening and instructive.

- **Session 3 Keeping Score: Metrics Of Building Environmental Performance**

Understanding the metrics for building environmental performance, and then measuring performance against those "yardsticks" is key to performance improvement. What are key metrics for building energy performance measurement? How are new buildings doing toward targets? Are there major reasons for differences between anticipated and actual performance? What are water use/conservation baselines and metrics, and are new technologies delivering savings? What is a "carbon footprint", and how can I quantify and reduce that footprint?

- Case Study presentation.
- Networking Reception and Green Products Expo

Online Registration

Name

Title

Agency/Organization

Address

City State Zip Code

Phone Number Fax Number

Email Address

Member Status:

___ ASHRAE NY Chapter

-----IFMA

___ BOMA

-----GSA

___ AEE

___ USGBC NY Chapter

____ AIA NY Chapter

Cost:

Early Registration (until 21 April): \$225

Late Registration or on-site Cost as of April 21st: \$250.00

PDH/AIA/CES Credits available on site