

Programs for the Las Vegas Meeting (January, 2017):

Seminar 19

Sunday, January 29, 2017, 3:15 PM-4:45 PM

Walking theWalk: Delivering a Truly High Performance Building

Sponsor: 7.3 Operation and Maintenance Management, 7.9 Building Commissioning, 7.6 Building Energy Performance

Track: Building Operation and Performance

Chair: Alyse Falconer, P.E., Interface Engineering, San Francisco, CA

The lifecycle of a new construction project can last several years. Initial goals are set by the team with high aspirations but are often deviated from as the process continues. Tracking and monitoring the project's energy goals through design deliverables, energy analysis and commissioning reports is crucial for adhering to objectives. However, what happens when unforeseen issues occur? Does the team achieve the owner's aspirations? This presentation reviews achieving client goals while working through obstacles, from design inception through occupied building. Working together as a high performance team, performance goals can be achieved and confirmed through post-occupancy measurement and verification.

1. Architect and Engineer: An Evolving Relationship Required for Synergy within Sustainable Design

Evan Jacob, AIA, Interface Engineering, San Francisco, CA

2. HVAC Design Options: Navigating Owners and Architects through HVAC Systems to Provide Client Specific Solutions

Alyse Falconer, P.E., Member, Interface Engineering, San Francisco, CA

3. Commissioning: Why Designers, Owners and Operators Should Care

Michael Flemming, P.E., Associate Member, Interface Engineering, San Francisco, CA

4. Integrating Energy Analysis into Design: How to Ensure Predicted Energy Utilization Index Values Are Achieved

Anna Brannon, P.E., BEMP, Interface Engineering, San Francisco, CA

Seminar 53

Tuesday, January 31, 2017, 11:15 AM-12:45 PM

Commissioning a Central Chilled Water Plant

Sponsor: 6.1 Hydronic and Steam Equipment and Systems, 7.9 Building Commissioning

Track: HVAC&R Systems and Equipment

Chair: Thomas E. Cappellin, P.E., Cappellin Consulting Services, Springfield, IL

Preparing equipment and assemblies for final check-out verification, start-up procedure and proper operation requires a coordinated activity of testing, adjusting, measurement and documentation that will ensure a successful result. This session describes how the commissioning process would be applied to achieve a successful chilled water plant operation needed to comply with the owner's project requirement and the design documents.

1. Commissioning Chilled Water and Condenser Water Pumps

David Cohen, P.E., Member, Grumman/Butkus Associates, Evanston, IL

2. Commissioning a Cooling Tower

Stephen Wiggins, Member, Newcomb & Boyd, Atlanta, GA

3. Commissioning a Water-Cooled Chiller

Stephen Wiggins, Member, Newcomb & Boyd, Atlanta, GA