

Programs for the Atlanta Meeting (June, 2015):

Seminar 16 (Intermediate)

Sunday, June 28, 2015, 1:30 PM-3:00 PM

There Is Gold in the Heartland at the Federal Courthouse in Cedar Rapids, Iowa

Sponsor: 09.01 Large Building Air-Conditioning Systems, 07.09 Building Commissioning

Track: Building Operation, Maintenance and Optimization/Commissioning

Room: Grand Ballroom D

Chair: Alonzo Blalock, P.E., Member, Jacobs Engineering, Fort Worth, TX

This seminar presents the description of 11 years of multidiscipline teamwork to produce a major building with complex systems and operation at below-targeted energy conditions. The building is a multistory facility for Federal Courts and related office functions. The overall process was led by GSA of Region 6. The scope for the project incorporates enhanced requirements for project performance. Final building occupancy was in late 2012 and energy use data is reviewed along with information on contribution from the roof-mounted PV system as part of the presentations. The HVAC system utilizes a water-side-based integrated economizer.

1. An Overview of the Development and Construction of the New U.S. Courthouse in Cedar Rapids, Iowa

James Snedegar, GSA Region 6, Kansas City, MO

2. Selecting Systems to Produce Gold Level Performance

Lincoln Pearce, P.E., BEAP, Member, KJWW Engineering Consultants, Des Moines, IA

3. Commissioning for the Gold in All the Systems

Alonzo Blalock, P.E., Member, Jacobs Engineering, Fort Worth, TX

4. The Cedar Rapids Courthouse Actual Energy Performance Has Exceeded All Expectations

John Nelson, P.E., GSA Region 6, Kansas City, MO

Seminar 57 (Intermediate)

Wednesday, July 1, 2015, 8:00 AM-9:30 AM

Commercial Kitchen Ventilation Commissioning

Sponsor: 05.10 Kitchen Ventilation, 07.09 Building Commissioning

Track: Building Operation, Maintenance and Optimization/Commissioning

Room: Salon D

Chair: Francis Kohout, P.E., CPMP, Member, McDonald's Corp., Oak Brook, IL

Proper commissioning of a commercial kitchen ventilation (CKV) system is necessary to ensure its safe and efficient operation. It is also becoming a common requirement for

compliance with local codes and sustainability certifications. This seminar presents critical elements to be considered as part of the commissioning process, from the owners' project requirements through owner acceptance.

1. An Overview of the Commercial Kitchen Ventilation Commissioning Process

Ben Skelton, P.E., BEMP, Member, Cyclone Energy Group, Chicago, IL

2. Exhaust Hoods: From Selection to Air Balance to Operation

Russell Robison, Member, Gaylord Industries, Tualatin, OR

3. Demand Control Kitchen Ventilation (DCKV): How It's Done from Design to Technical Commissioning

Vernon Smith, P.E., Member, Smith Energy Engineers, LLC, Berthoud, CO

4. Demand Control Kitchen Ventilation (DCKV) Case Studies

Michael Morgan, Associate Member, Captive Aire Systems, Inc., Allentown, PA