

California Compliance Software Symposium 2

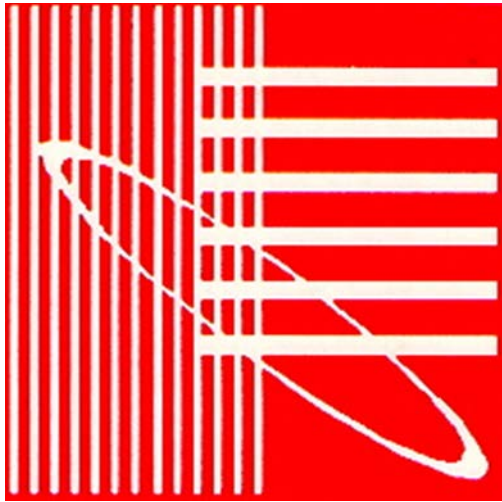
Industry Perspective: **IBPSA**

Thursday, July 12, 018

Erik Kolderup
President, IBPSA-USA

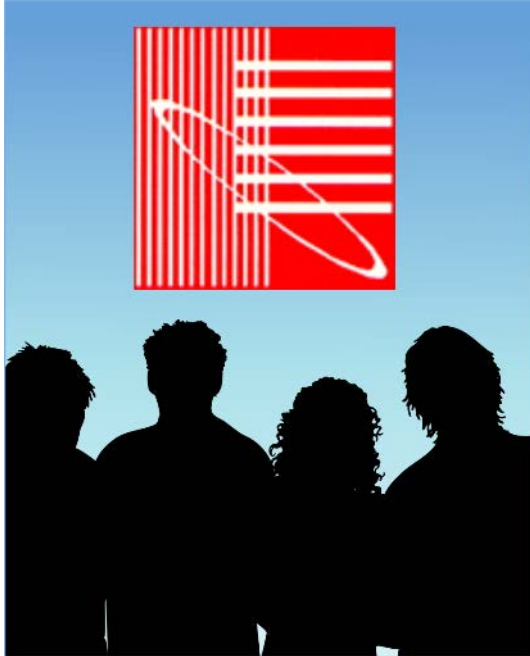


IBPSA-USA Introduction



- US affiliate - International Building Performance Simulation Association
- Mission
 - Fostering better building performance through simulation
- Chapters
 - Three in California
 - 18 nationally
- Committees
 - Education
 - Research
 - Advocacy
- Projects
- Conferences
 - Building Performance Analysis Conference and SimBuild 2018, September 24-26, Chicago

IBPSA-USA members



- Simulation practitioners
- Software developers
- Researchers, educators and students
- Policy makers
- Utility program staff

Challenges - practitioners



- No credit for some efficiency measures
 - Makes compliance more difficult
 - Increases cost to participate in Savings By Design
- Need for separate models, often in separate tools
 - Design studies
 - Title 24 compliance
 - LEED certification
- Generally increased cost for compliance calculations vs. pre-2013
 - Complexity of tools and workflows
- Lack of integrated 3D compliance tool that supports iterative design analysis
- Different methods required in other states

Challenges - software developers



- Programming investment
 - Initial investment plus periodic updates
 - California-specific data format: SDD
- Technical support expense related to CEC software
- Competition with free software

IBPSA-USA Proposal

Problem

Existing national situation is inefficient and fragmented:

- Energy code compliance
- LEED certification
- Incentive programs
- Federal tax deductions

Proposal

- Convene national stakeholders to address:
 - Data standards for reporting of input and output data
 - Software qualifications
 - Best practices for program implementation
 - Common educational and promotional material
- Establish a collaborative group to oversee ongoing efforts



A STATEWIDE UTILITY PROGRAM

What do you think?



Let's move on to a discussion of...

Industry Perspective: **CALBO**

Gregory Mahoney

