

**CABA Intelligent & Integrated Buildings Council (IIBC)
Draft Meeting Minutes
Thursday, June 26, 2014
12 Noon - 1:30 PM ET, via Webinar**

Present:

**Ingersoll Rand/Trane, Jeff Hamilton (IIBC Chair)
Honeywell International, Inc., Debra Gondeck-Becker (IIBC Vice-Chair)**

ABI Research, Jonathan Collins
ABI Research, Peter Sopkovich
AMX, Michael Carter
BRE Trust, Gillian Hobbs
BSRIA Limited, Jeremy Towler
CABA, Greg Walker
CABA, Rawlson King
Cadillac Fairview Corporation, Scott McBrayne
CoR Advisors, Darlene Pope
CSA Group, Anthony Lui
Daintree Networks, Inc., Sachin Andhare
exp. US Services, Inc., Jim Boggs
Honeywell International, Inc., Liana Kiff
Horizon Technologies, Ludo Bertsch
Hussmann, Christine VanLeeuwen
Hydro-Québec, Eric Dumont
Independent Consultant, Thomas Irpan
Ken Wacks Associates, Kenneth Wacks
Lawrence Berkeley National Laboratory (LBNL), Cindy Regnier
National Institute of Building Sciences (NIBS), Dana "Deke" Smith
Navigant Research, Noah Goldstein
Panasonic, Victor Flynn
Pella Corporation, Larry Ehlinger
RealView, LLC, Lucas Schwaller
Robert Bosch, LLC, Jeffrey Donne
Siemens Industry, Inc., Roberto Torres
Sustainable Resources Management, David Katz
TELUS, Jordan Melzer

1. Welcome, Roll Call, and Opening Introductions – Jeff Hamilton (Ingersoll Rand/Trane), Greg Walker (CABA)

Jeff Hamilton welcomed everyone, and introduced: Greg Walker (CABA), Gillian Hobbs (BRE), and Debra Gondeck-Becker (Honeywell International),

Inc.). Jeff Hamilton thanked everyone for attending and outlined the role of the IIBC. Greg Walker (CABA) recorded all the attendees for the minutes.

2. Review Past Minutes – Jeff Hamilton (Ingersoll Rand/Trane)

Jeff Hamilton indicated that the previous IIBC meeting minutes (November 19, 2013, and April 2, 2014) had been circulated and posted on the CABA website in the IIBC section: <http://www.caba.org/iibc>

Dana “Deke” Smith (National Institute of Building Sciences, NIBS) made a motion to approve the November 2013 minutes without amendments; David Katz (Sustainable Resources Management) seconded the motion. David Katz (Sustainable Resources Management) made a motion to approve the April 2014 minutes without amendments; Michael Carter (AMX) seconded the motion.

3. IIBC Research Update – Greg Walker (CABA)

Greg Walker outlined the three (3) types of research CABA produces: Landmark, Multi-Client Boutique, and White Papers.

3.1 **Recently Completed IIBC Landmark Research for 2013: ‘Life Cycle Costing of Intelligent Buildings’** **This research report cost \$120,000+ to produce.**

Traditionally these reports are sold for \$4,900 USD to CABA members (\$6,900 USD for non-members). In this case, the steering committee decided to give this research report away for free to the industry. CABA and Frost & Sullivan representatives have made numerous presentations about this report at various industry events. To access the full research report for FREE, please go to: <http://www.caba.org/lccib>

3.2 **CABA IIBC Landmark Research for 2014: ‘Intelligent Buildings and Big Data’**

An overview of the research prospectus was given. The first Steering Committee meeting was held to select a research firm. The request for proposal (RFP) generated nine (9) very strong bids, and Navigant Research was the research firm selected. CABA, Navigant Research, and the IIBC are actively seeking additional sponsors for this project and a request for sponsors was made. Currently, thirteen (13) CABA members have already sponsored this project: **Belimo Automation, Cadillac Fairview Corporation, Crestron Electronics, Inc., CSA Group, Honeywell International, Inc., Hydro-Québec, Ingersoll Rand, Johnson Controls, KMC Controls, Philips, Robert Bosch LLC, Rogers**

Communications, Siemens Industry, Inc., and WattStopper/Legrand. The full prospectus and additional information can be found at:
<http://www.caba.org/research/projects/intelligent-buildings-big-data>

3.3 Multi-Client Boutique Research:

3.3.1 Intelligent & Integrated Building Technologies: Market Sizing North America Version 2

An overview of the research prospectus was given. BSRIA was selected as the research firm for this project. CABA, BSRIA, and the IIBC are actively seeking additional sponsors for this project and a request for sponsors was made. Currently, twelve (12) CABA members have already sponsored this project: **Belimo Air Controls, Inc., Broadcom Corporation, Honeywell International, Inc., Johnson Controls, KMC Controls, MechoSystems, Inc., Overhead Door Corporation, Panduit Corporation, Philips, Siemens Industry, Inc., Schneider Electric, and United Technologies – Building & Industrial Systems.**

The full prospectus and additional information can be found at: <http://www.caba.org/research/projects/market-sizing-NA-version2>

There will be a webinar on Tuesday, July 8, 2014 at 11 AM – 12 Noon ET, registration details can be found at:

<https://www.bsria.co.uk/information-membership/events/details/intelligent-and-integrated-buildings-technologies-market-size-in-north-america-2014>

3.3.2 Zero Net Energy Buildings

An overview of the research prospectus was given. This project has been approved by the IIBC and the New Buildings Institute (NBI) has been selected to conduct this research. CABA, NBI, and the IIBC are actively seeking addition sponsors for this project and a request for sponsors was made. The full prospectus and additional information can be found at: <http://www.caba.org/research/projects/zero-net-energy-buildings>

3.3.3 Proposed CABA Projects: Lawrence Berkeley National Laboratory (LBNL): FLEXLAB - Cindy Regnier (LBNL)

Cindy Regnier gave a detailed PowerPoint presentation on the Facility for Low Energy Experiments (FLEXLAB) facilities. A detailed research proposal was given to the IIBC members and reviewed. This is an excellent opportunity for

CABA members to participate in a non-market research (demonstrative research) project. Larry Ehlinger (Pella Corporation) gave his positive support of this project. There was a lot of interest in CABA starting this new type of demonstrative research, and a working group was formed. More information can be found at: <http://flexlab.lbl.gov/>
The full research proposal can be found at:
<http://www.caba.org/iibc>

Working Group

AMX, Michael Carter
Pella Corporation, Larry Ehlinger
Cadillac Fairview Corporation, Scott McBrayne
exp. US Services, Inc., Jim Boggs
Honeywell International, Inc., Liana Kiff
Sustainable Resources Management, David Katz

3.4 CABA eStore:

It was mentioned that CABA recently become a reseller of primary research. This will give CABA members an additional 10% discount off the regular purchase price of research. CABA research firm members that have already posted research in the CABA eStore include: BSRIA, Compass Intelligence LLC, Memoori, Navigant Research, and ON World. The CABA eStore can be accessed at: <http://estore.caba.org/>

4. IIBC White Paper Sub-Committee (WPSC) Update

Ken Wacks (Ken Wacks Associates), White Paper Sub-Committee Chair

An overview was given of the IIBC white paper review process, completed IIBC white papers, and papers in progress. IIBC white papers are secondary literature review articles that are approximately 10-20 pages in length. These papers are written and distributed free of charge to educate the industry. In order for the papers to be approved by the IIBC White Paper Sub-Committee (WPSC), they must be applicable to the IIBC, not marketing material, and not promote an agenda. Any CABA member can, and is encouraged to, bring forward a 2-3 paragraph white paper proposal to the WPSC. If needed, CABA will secure a writer and/or a working group for the paper. All completed and approved IIBC white papers are placed in the CABA Public Library, Members Library, CABA NewsBrief, and promoted at industry events. To view the IIBC white paper terms of reference, and additional information, please go to: <http://www.caba.org/iibc>

- 4.1 Completed (Approved):**
Toward Net Zero Energy (NZE) Super High Rise Commercial Buildings
Albert So (Asian Institute of Intelligent Buildings)
The complete paper can be found at: <http://www.caba.org/iibc>
Working Group: Ken Wacks (Ken Wacks Associates)
David Katz (Sustainable Resources Management)

4.2 In Progress (Approved):

4.2.1 Ethernet Technologies for Legacy Building Infrastructure

Daniel Drolet (PCN Technology Inc.)
Working Group: Ken Wacks (Ken Wacks Associates)
David Katz (Sustainable Resources Management)

4.2.2 Cybersecurity

Pramod Dibble (Frost & Sullivan)
Working Group: Raphael Imhof (Siemens Industry, Inc.)
Udo Drafz (Siemens Industry, Inc.)

4.2.3 Effects of Building Automation on Productivity Indicators

Alexandra Thompson (National Research Council, NRC)
Working Group: Jennifer Veitch (NRC)
Guy Newsham (NRC)

4.3 General Discussion and Call for New White Paper Topics

David Katz (Sustainable Resources Management) proposed a white paper on “Cap and Trade”. Cap and trade is an environmental policy tool that delivers results with a mandatory cap on emissions while providing sources flexibility in how they comply. A call for an author and a working group was made and any interested people can contact Greg Walker at walker@caba.org.

5. Industry Profiles - Gillian Hobbs (BRE)

5.1 BRE: US Innovation Park, Portland, Oregon

Gillian Hobbs, BRE
A brief history of BRE and overview of many large building BRE initiatives were presented via PowerPoint. The full PowerPoint presentation can be found at: <http://www.caba.org/iibc>

6. New Business – Jeff Hamilton (Ingersoll Rand/Trane)

David Katz (Sustainable Resources Management) requested the opportunity to bring CABA members up to date on BiQ 2.0 development, and seek input from the IIBC on how best to transition from the BiQ 1.0 website. Jeff Hamilton suggested David Katz discuss this with him before the next IIBC meeting.

7. Information – Jeff Hamilton (Ingersoll Rand/Trane), Greg Walker (CABA)

7.1 CABA Strategic Plan:

An overview of the four (4) year CABA strategic plan was given. There was a call for recommendations and input from IIBC members.

7.2 CABA Marketplace:

CABA announced the new CABA Marketplace. This is a webpage designed to help CABA members market themselves to the general public, similar to the “Yellow Pages”. If any CABA members want additional free placements, they are to contact George Grimes at grimes@caba.org.

Link: <http://homeandbuildingautomationmarketplace.com>

7.3 Anti-Spam Legislation:

An overview was given of the new anti-spam legislation coming into effect July 1, 2014; this legislation will affect all Canadian companies and all companies with Canadian offices.

Link: <http://fightspam.gc.ca/eic/site/030.nsf/eng/home>

8. Adjournment (1:30 PM ET) - Jeff Hamilton (Ingersoll Rand/Trane)

It was mentioned that the next IIBC meeting will be held in October or November, 2014. There will be no fall CABA Forum, therefore the next meeting will be held via webinar. The full PowerPoint presentation for this meeting and the meeting minutes will be posted at: <http://www.caba.org/iibc>

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You can view all IIBC participants, past minutes, etc. at: <http://www.caba.org/iibc>. Don't hesitate to contact the CABA office (613.686.1814 X228/ 888.798.CABA) if you have any questions.

Regards,

Greg Walker
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