



**CABA Connected Home Council (CHC)
Draft Meeting Minutes**

Thursday, September 30, 2021
12 NOON – 1:30 PM (ET) via Webinar

CHC Executive:

CHC Chair, Eric Harper (Snap One)
CHC Vice-Chair, Jim Hunter (Delos Living LLC)
CHC Vice-Chair, Byron BeMiller (Semtech Corporation)
CHC Vice-Chair, Charles Hume (Southwire Company, LLC)

Present:

Agence CONNECTICUT.Com, Bruno De latour
AKM Semiconductor, Inc., Carl Bengtsson
American Honda Motor Co., Inc, Nathan Zhang
AML Encore Corp, Fred Leber
ArcoLogix LLC, Leila Breene
Atom Power, Inc., Michael Harris
BC Hydro, Tim Mosley
Belimo Air Controls, Aaron Nobel
BitStream Communications, Inc., Charles Baldwin
BKS Kabel-Service AG, Peter Fischer
Bradford White Corporation, Ryan Kiscaden
Brainwave Research Corp, Rene Pardo
CABA, Greg Walker
CABA, Andrew Glennie
CABA, Conrad McCallum
CABA, Sashien Godakandae
CABA, Marta Klopotoska
The Cadillac Fairview Corporation Limited , Ali Sabouri
Cardinal Peak, Eve Gravely
CEDIA, Walt Zerbe
Consortium for Energy Efficiency, Inc. (CEE), Patrick Casper
Center for Energy and Environment, Lester Shen
Civimetrix Telecom, Inc., Marc Girard
CommScope, Inc. Jane Bradshaw
Daikin North America, Serge Viter
Dar Al Handasah - Shair & Partners, Jad Succar
Delos Living LLC, Jim Hunter
Delta Controls Inc., Drew Perrin
DHI, Isaac R

Dokuz Eylul University, Selin Biçer
Draper, Inc., Tyson McDonald
EDIOM Group, Inc., Shahid Pasha
Energy Management Systems (pvt) Ltd, Janaka Gunathilake
EnergyPal-TimePal Romania SRL, Sfirloaga Ovidiu
EnviroNet Systems, LLC, Roberto Martinez
ERG Energy Efficiency, Michael Dabbene
Firedome, Michelle Levy
Frost & Sullivan, Maurice Okawaki
GNT, Damian Webb
Grundfos Holding A/S, John Bomholt
Harbor Research, Harry Pascarella
Harbor Research, Michael Levy
Home Computer Designs, A Torres
Honeywell International Inc., Sathish Nanjappa
International Corporate Expansion, Matey Nedkov
IMI Hydronic Engineering International SA, Bhumika Lathia
IQuity Inc, David Emptage
The International Society of Automation (ISA), Andre Ristaino
JUNG Korea Electric Co., Ltd., Daniel Lee
Kazakh National University, Aiymzhan Baitureyeva
Ken Wacks Associates, Kenneth Wacks
KNX Association, Casto Canavate
KOTSCHI CONSULTING, Dr. Bernd Kotschi
Leedarson Group, Jessica Zheng
Leedarson Group, Julie Lee
MASONITE, Ben Dockstader
Mercatus Co-operative Limited, Eng Kiong Ng
Microsoft Corporation, Albert Crews
Middlesex University, Tong Yang
Multi-Tech Systems, Inc., Dan Quant
National Electrical Manufacturers Association (NEMA), Bryan Holland
Nortek Control, Bret Jacob
National Research Council Canada (NRC), Farid Bahiraei
Olympic Controls, Ashkan Tehrani
Origen FM Services Inc., Wayne Collins
Resideo Technologies, Inc., David Kaufman
Rettna, Inc., Derek Hopkins
Rettna, Inc., Chris Chew
Rettna, Inc., Dean Lupini
Sauter, Roland Hofstetter
SEC(S) PTE. Ltd, Nelson Yeap
Semtech Corporation, Byron BeMiller
Siemens Industry Inc., William Vargo
Siemens Industry Inc., Hans-Joachim Langels
Strategy Analytics, Jack Narcotta
Sustainable Resources Management Inc., David Katz

Techmenity, Danny Grossarth
TelNet Management Consulting Inc., Fawzi Behmann
TELUS Communications, Brian Gibbons
TELUS Communications, Kassim Dossa
TeMix Inc., Stephen MacDonald
The Building People, LLC, Tony Tubiolo
Telecommunications Industry Association (TIA), Marta Soncodi
Toggled, Dan Hollenkamp
Tuya Smart, Inc., Lee Ann Salvatore
Wall-Smart Ltd., Galia Ben-Dor
Waylay, Arabinda Bose
WiredScore, Stefan Schmidt

CHC Webinar

“AI and the Connected Home” (30 min) – Jim Hunter (Delos Living LLC)
(Moderator), Harry Pascarella (Harbor Research), Michael Levy (Harbor Research)



Harry Pascarella
Vice President



Michael Levy
Project Manager & Consultant



Description: Harry Pascarella (Harbor Research) and Michael Levy (Harbor Research) will discuss several areas of AI related to the connected home. Topics to be covered include, but are not limited to, the following: platforms and virtual agents, use cases analysis, voice recognition and smart speakers, predictive analytics and maintenance, barriers towards adoption, data management/ownership, cybersecurity and privacy, value proposition for stakeholders, ethical and legal implications, energy savings, and post-COVID-19 opportunities etc.

Contact Information:

Harry Pascarella: hpascarella@harborresearch.com

Michael Levy: mlevy@harborresearch.com

CHC Meeting AGENDA

1. Agenda - Greg Walker (CABA)

Greg Walker (CABA) thanked everyone for attending, outlined the agenda and alerted everyone that the meeting was being recorded and will be made available to the industry.

2. Call to Order, Welcome and Introduction, about the CHC – Greg Walker (CABA)

Greg Walker (CABA) informed the CHC that CHC Chair, Eric Harper (Snap One) and CHC Vice-Chair, Charles Hume (Southwire Company, LLC) were unable to attend and he would be stepping in as the Chair for this meeting.

Greg welcomed everyone and introduced: CHC Vice-Chair, Jim Hunter (Delos Living LLC), CHC Vice-Chair, Byron BeMiller (Semtech Corporation), CHC White Paper Sub-Committee Chair Ken Wacks (Ken Wacks Associates), Harry Pascarella (Harbor Research) and Michael Levy (Harbor Research). Greg also outlined the role of the CHC.

3. Administrative – Greg Walker (CABA)

3.1 Motion to approve Past CHC Minutes

Greg Walker (CABA) informed everyone that the July 8 CHC meeting minutes were circulated and posted on the CABA Web site in the CHC section: [CLICK HERE](#). In addition, the CHC terms of reference, members and recorded presentations are also found [HERE](#).

Motion to approve the July 8, 2021, CHC minutes was moved by David Katz (Sustainable Resources Management Inc.) and the motion was seconded by Jim Hunter (Delos Living LLC). Unopposed motion carried.

4. Research Update - Greg Walker (CABA)

“The Connected Home and AI” 2021 CHC Landmark Research – Greg Walker (CABA)



Greg Walker (CABA) gave a brief overview of how the CABA Board selected the 2021 CHC Landmark Research Project, "The Connected Home and AI". Only the funders will receive the full \$60,000 of research but the Executive Summary of the research will be available to CABA Members. Greg mentioned that the CHC is actively seeking funders for this research and outlined the funding levels (starting at \$5,000).

Five (5) CABA member Funders (One (1) silent funder), have already joined this research project:



5. White Paper Sub-Committee Update - Ken Wacks (Ken Wacks Associates)

An overview was given of the CHC White Paper review process, completed CHC White Papers and papers in progress. CHC 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 inform the industry. For the papers to be approved by the CHC White Paper Sub-Committee (WPSC), they must have

significant technical material of relevance to CHC members - they must not contain marketing material or promote an agenda. Any CABA member can and is encouraged complete the new one (1) page White Paper proposal template and submit it to klopotowska@caba.org.

If needed, CABA will secure a writer and/or a Working Group for the paper. If a CABA Member brings forward a proposal but is not able to find an author for the paper, the Member will need to send CABA \$500 USD. CABA will attempt to locate an author from one of many research firms. The \$500 will be given to the author(s) as an honorarium for their work in writing the paper. If an author cannot be found, the \$500 will be returned to the Member.

All completed and approved CABA White Papers are placed in the CABA Public Library, Members Library, CABA NewsBrief, CABA Twitter Feed, CABA LinkedIn Group and promoted at industry events. To view the CHC White Paper terms of reference, previous CHC White Papers and additional information, please go to: www.caba.org/chc. All completed CABA White Papers, and those under development, can be found at: www.caba.org/whitepapers.

If you or someone that you know would like to join one (1) or more of the following White Paper Working Groups or recommend a new White Paper, please contact Marta Klopotowska (CABA) at klopotowska@caba.org.

CHC White Paper Sub-Committee (WPSC)

- Ken Wacks Associates, Kenneth Wacks (CABA Whitepaper Chair)
- Frost & Sullivan, Konkana Khaund
- LumenCache, Inc., Derek Cowburn
- National Research Council Canada (NRC), Heather Knudsen

5.1 Recently Completed:

“The Commercialization of LiFi”

Ken Wacks (Ken Wacks Associates) gave an overview of this paper and those in the Working Group.

- Wharton County Junior College (Chair)
- BKS Digital Connectivity Solutions
- Control4
- CRANTEC
- Dibangoup sinilux
- Du
- GETAC
- Ken Wacks Associates
- Li-Fi LED CI
- National Electrical Manufacturers Association (NEMA)
- Nav Wireless Technologies Pvt. Ltd.
- Nokia
- Orange
- PureLiFi
- Quantum-Resistant Crypto (QRCrypto SA)
- Telecommunications Industry Association (TIA)
- University of Strathclyde

5.2 In Progress:

“Part 2: Power over Ethernet (PoE) & Digital Electricity (DE) in Commercial and Multiple Dwelling Residential Buildings”

Ken Wacks (Ken Wacks Associates) gave an overview of this paper and outlined the Working Group:

- Sinclair Digital Holdings (Chair)
- Axis Lighting
- Contemporary Controls Systems, Inc.
- Ken Wacks Associates
- LumenCache, Inc.
- National Electrical Manufacturers Association (NEMA)
- National Research Council Canada (NRC)
- Public Services and Procurement Canada
- Renesas Electronics America Inc.
- Somfy Systems, Inc.
- Southwire Company, LLC
- Telecommunications Industry Association (TIA)
- UL LLC

“Benefits of Advanced Lighting Systems on the human experience: Human Centric Lighting and Controls”

Ken Wacks (Ken Wacks Associates) gave an overview of this paper and the organizations already committed to this Working Group.

- exp. US Services, Inc.
- Ken Wacks Associates
- SnapOne LLC
- Springs Window Fashions/Mecho

“Connected Home Cybersecurity Regulations”

Ken Wacks (Ken Wacks Associates) gave an overview of this paper and the organizations within the Working Group

- P.A.ID Strategies (Chair)
- AgeLight LLC
- BC Hydro
- exp. US Services, Inc.
- LonMark International
- Mission Critical Global Alliance (MCGA)
- National Research Council Canada (NRC)
- Smart Buildings SuperCluster (SBSC)
- Sustainable Resources Management Inc.
- TwelveDot Inc.
- UL LLC

6. New Business – Byron BeMiller (Semtech Corporation)

6.1 Other new CHC business

Byron BeMiller (Semtech Corporation) made a call for new business such as: future CHC Guest/Keynote presentation topics and speakers, new CHC White Papers, new research projects and meeting ideas, etc.

David Katz (Sustainable Resources Management Inc.) proposed the topic of “Build Back Better” for a whitepaper or webinar — looking at the role of North American government incentive programs in improving homes.

Ken Wacks (Ken Wacks Associates) suggested a discussion on modernizing older homes to fit today’s standards of heating (using heat pumps in place of fossil fuels as an example). A possible future CHC Webinar topic.

Greg Walker (CABA) stated the next CHC meeting will be held late November / Early December 2021, with details to be forwarded soon. This will be the last CHC Meeting of the year.

7. Adjournment (1:30 PM ET) – Greg Walker (CABA)

Next CHC Meeting will be Late November or Early December 2021, the exact date will be announced shortly.

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CABA CHC meetings are open to CABA Members and invited guests, and everyone is encouraged to participate. [CLICK HERE](#) for more info on the CHC, past minutes, participants, and terms of reference. Any CABA Member that attended as a guest will be added to the CHC unless they notify the CABA office by October 13, 2021 that their name should not be added. Non-CABA members that attended this meeting as a guest, should contact Marta Klopotoska at klopotoska@caba.org, to indicate if they wish to join the CHC or CABA. [CLICK HERE](#) for more information on the 24 CABA Benefits.

Regards,

Greg Walker
President & CEO, Acting
Continental Automated Buildings Association (CABA)
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