

CABA Connected Home Council (CHC) Meeting AGENDA

Monday, November 16, 2020,
12 NOON – 1:30 PM (ET)

CHC Chair Roy Perry (Alarm.com), CHC Vice-Chair and CABA Board Member Jim Hunter (Delos Living LLC), CHC Vice-Chair and CABA Board Member Byron BeMiller (Semtech Corporation) and CHC Vice-Chair and CABA Board Member Charles Hume (Southwire Company, LLC) are pleased to announce that the next CHC webinar. The agenda, slide deck and other supporting documentation will be attached at a later date at: www.caba.org/chc.



**CHC Chair
Roy Perry**
VP Ecosystem Alliances
Alarm.com



**CHC Vice-Chair
Byron BeMiller**
Director, Wireless
Marketing
Semtech Corporation



**CHC Vice-Chair
Jim Hunter**
Chief Technology Officer
Delos Living LLC



**CHC Vice-Chair
Charles Hume**
Director of Digital Power
Technologies
Southwire Company, LLC



“Smart Load-Shift Strategies for Electrically Heated Homes”

Special 30-minute panel discussion on a recently completed CHC White Paper.



Ajit Pardasani
Senior Research Officer,
Intelligent Building Operations
National Research Council



Description: New Brunswick is a winter peaking province as it uses electricity as the primary method for space and water heating. A typical household in New Brunswick uses 63% of its annual electricity consumption for space heating. Peak demand in the province is caused by heating loads during the winter and is acute on the coldest days when demand for heating is at its highest and is met by oil and

gas fired plants. NB Power, Siemens Canada and National Research Council of Canada have partnered since 2014 to conduct a series of pilot studies to evaluate the reduction in morning peak loads through smart thermostats in detached homes that used electrical baseboard heaters. The latest in the series was the smart grid pilot study consisting of 567 owner-occupied homes that used electric baseboard heaters in three cities of the province in 2016-17 to evaluate demand control using OpenADR-compliant connected thermostats. The aim of the field study was to investigate how much electrical energy could be shifted from peak demand hours to the immediately preceding hours while maintaining acceptable thermal conditions. This presentation will summarize the results and lessons learnt from the pilot studies, including the influence of various building and occupant characteristics on the shift. Ajit Pardasani, Senior Research Officer, Intelligent Building Operations, NRC Construction Portfolio.

AGENDA

1. **Agenda** -- Greg Walker (CABA)
2. **CHC Webinar: “Smart Load-Shift Strategies for Electrically Heated Homes” (30 min)** – Jim Hunter (Delos Living LLC), Ajit Pardasani (National Research Council)
3. **CHC Meeting: Call to Order, Welcome, Introductions, about the CHC** – Roy Perry (Alarm.com)
4. **Administrative** -- Roy Perry (Alarm.com)
 - 4.1 Motion to approve past CHC Minutes: www.caba.org/chc
 - 4.2 Discussion of the new proposed CHC Steering Committee
5. **Research Update** – Greg Walker (CABA)
“[Privacy and Cybersecurity in the Connected Home](#)” 2020 CHC Landmark Research
6. **White Paper Sub-Committee Update** -- Ken Wacks (Ken Wacks Associates)
 - 6.1 Recently Complete:
“[Application of Wireless Power Transfer \(WPT\) in Smart Homes and Buildings](#)”
 - 6.2 In Progress:
“[Part 2: Power over Ethernet \(PoE\) & Digital Electricity \(DE\) in Commercial and Multiple Dwelling Residential Buildings](#)”
“[Non-Energy Benefits of Lighting and its Smart Controls](#)”
“[Connected Home Cybersecurity Regulations](#)”
“[Part 2: The Evolution of Integrating LiFi Technology into Smart Lighting and Control Systems for the Intelligent Building and Connected Home](#)”
7. **New Business** -- Byron BeMiller (Semtech Corporation), Greg Walker (CABA)
 - 7.1 Other new CHC business?
 - 7.2 McKechnie Family LIFE Home – University of Illinois Urbana-Champaign
8. **Adjournment** -- Roy Perry (Alarm.com)
[Next CHC Meeting, January, 2021](#)

For additional information, contact CABA at caba@caba.org, 613.686.1814, or www.caba.org.

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