



UC Center Sacramento

“Making Housing Sustainable: Finding a Path to Home Decarbonization”

***Dr. Iain Walker, Building Technology and Urban Systems Division,
Lawrence Berkeley National Laboratory***

**Wednesday,
May 1st**

12:00—1:00pm
In person attendance or by Zoom
webinar

**Please note our
new location:**

1115 11th St,
Sacramento, CA
95814

For catering
purposes, please
RSVP by
April 24th
(uccs.ucdavis.edu)
to ensure that we
have a lunch for you.

Reducing the housing sector’s contributions to greenhouse gas emissions is essential for California to meet its climate goals. Currently, California homes have some of the highest uses of on-site methane combustion in the nation. This presents a significant challenge in reducing emissions of CO₂ and other products of combustion.

This talk examines the current barriers to decarbonizing California homes, including the need to transition away from the traditional focus on how much energy is used, to instead focus on when it is used, and how to control housing’s contributions to potential increases in demand on the state’s electricity system. It will also discuss current construction solutions and future technology and policy needs that can contribute to the goal of home decarbonization and incorporate considerations of affordability, equity, as well as technological and workforce availability.

Dr. Iain Walker is a staff scientist at Lawrence Berkeley National Laboratory (LBNL) and an American Society of Heating, Refrigerating and Air Conditioning (ASHRAE) Fellow. He is Deputy Head of the Whole Building Systems Department at LBNL, where he also leads the Residential Building Research Team. Dr. Walker has more than 30 years of experience as a building scientist researching energy and indoor air quality in homes. He is a leader and developer of national and international standards and technical committees for ASHRAE, the American Society for Testing and Materials, the Residential Energy Services Network, the International Electrotechnical Commission, the International Energy Agency, and the International Organization for Standardization. Dr. Walker is the author of over 200 papers and research reports and his current work focuses on residential ventilation and home decarbonization.



For questions contact Brooke Miller-Jacobs at (916) 319-4835 or UCCS-talks@ucdavis.edu.

The views and opinions expressed during this lecture are those of the speaker and do not necessarily represent the views of UCCS.