



Building America

High Performance Enclosure Strategies: Part II, New Construction

August 13, 2014

Moderator:

Gail Werren – National Renewable Energy Laboratory

Panelists:

Peter Baker – Building Science Corporation

Vladimir Kochkin – Home Innovation Research Labs

Lois Arena – Steven Winter Associates

Some Housekeeping Items

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3. Panelists - Please mute your audio device when not presenting

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- <http://energy.gov/eere/buildings/building-america-meetings#current>

Agenda

- ✓ Welcome and Introductory Remarks
- ✓ Overview of Building America (buildingamerica.gov)
 - Gail Werren: National Renewable Energy Laboratory
- ✓ Presentations
 - Peter Baker: Building Science Corporation
 - Vladimir Kochkin: Home Research Innovation Labs
 - Lois Arena: Steven Winter Associates, Inc.
- ✓ Questions and Answers
- ✓ Closing Remarks
- ✓ Survey

Overview of Building America



Who are we?

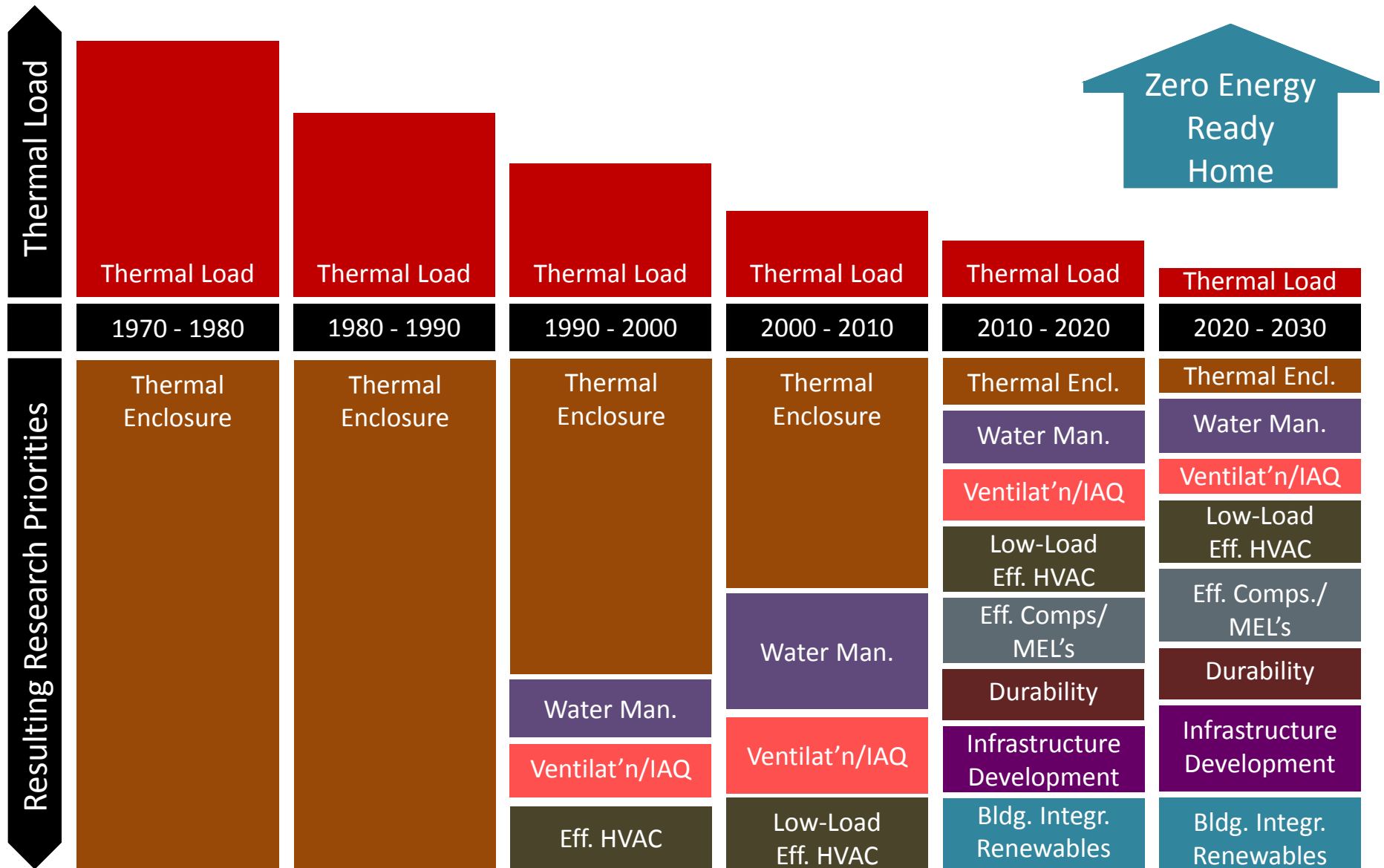


What do we do?

Building America Top Innovations



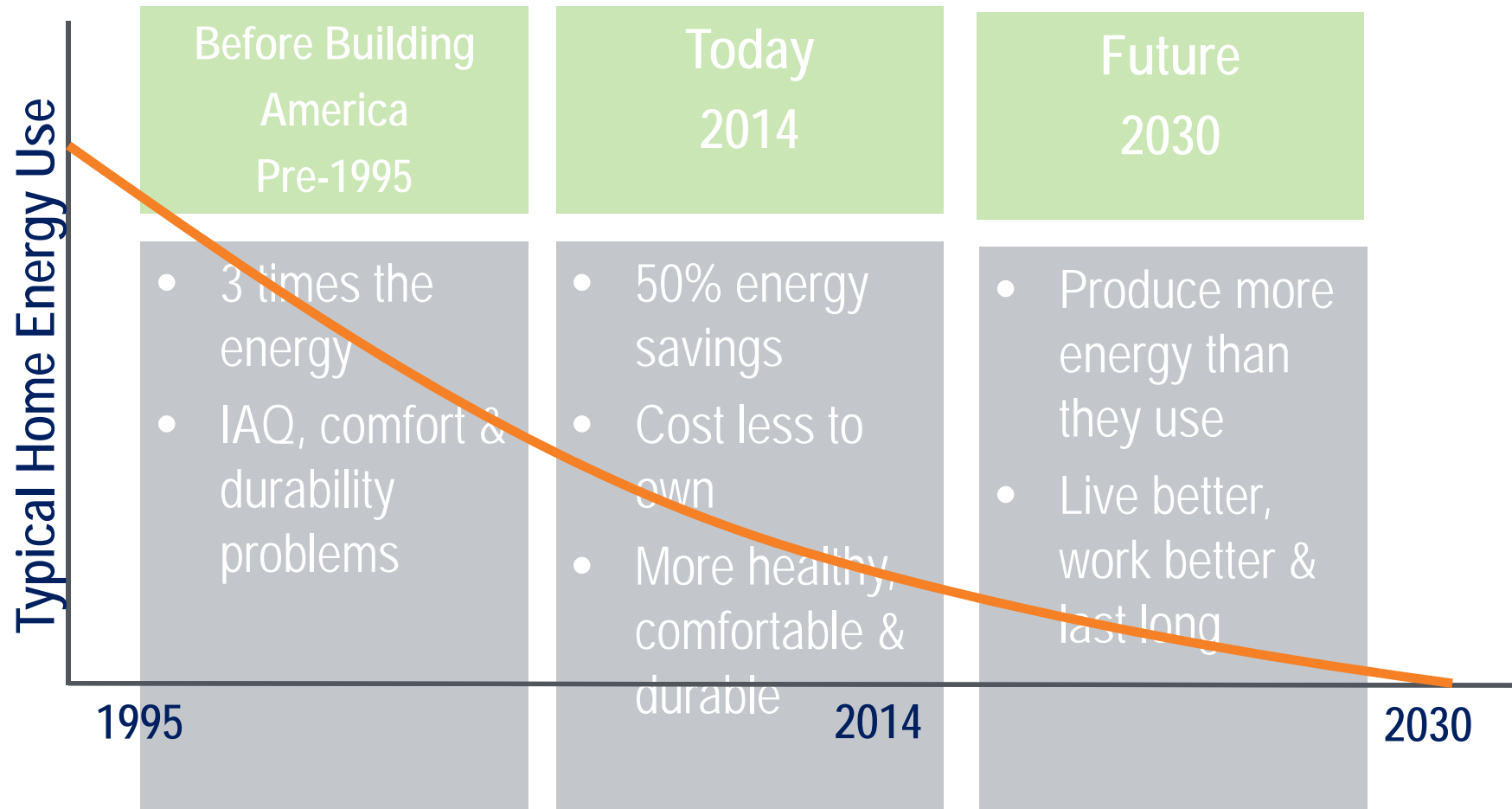
What are we researching?



What do we achieve?

Before Building America Pre-1995	Today 2014	Future 2030
<ul style="list-style-type: none">• 3 times the energy• IAQ, comfort, & durability problems	<ul style="list-style-type: none">• 50% energy savings• Cost less to own• More healthy, comfortable, & durable	<ul style="list-style-type: none">• Produce more energy than they use• Live better, work better, & last longer

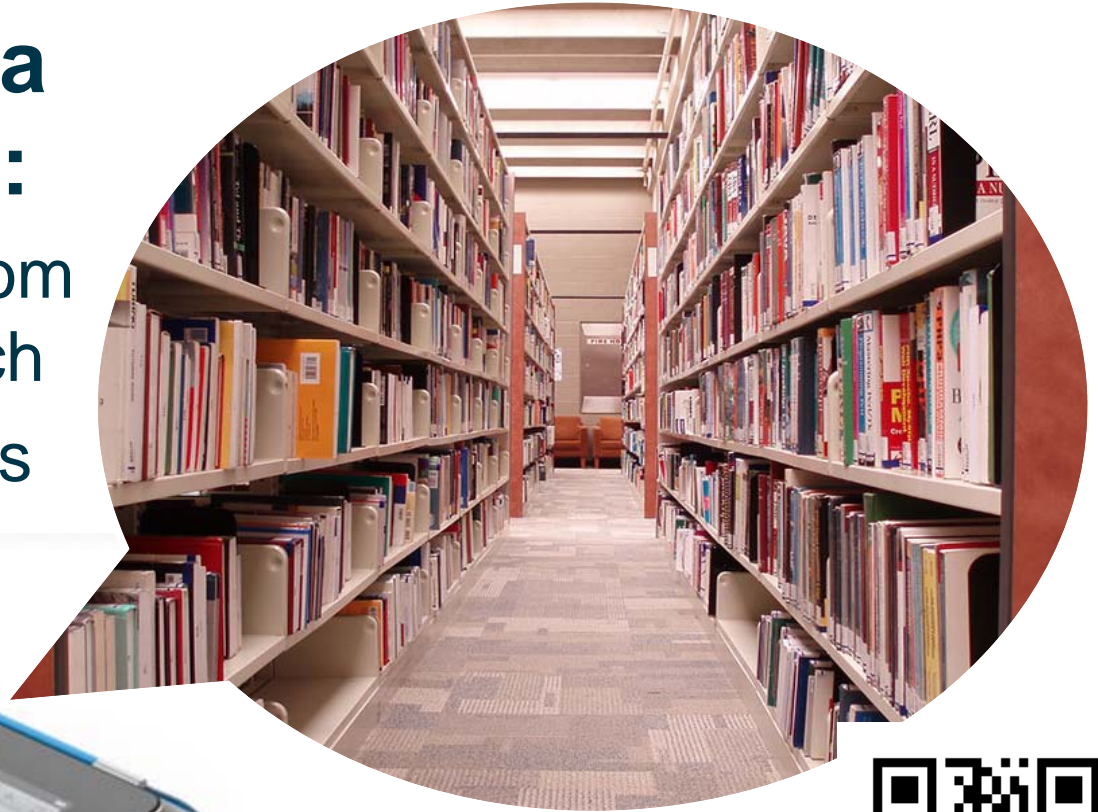
What do we achieve?



Where can I find resources?

Building America Solution Center:

Proven Innovations from
World-Class Research
... at Your Finger Tips



<https://basc.pnnl.gov/>





Building America Webinar Series - 2014

Topic 6: High Performance Enclosure Strategies: Part II, New Construction

Peter Baker, Senior Associate, Building Science Corporation



Peter Baker is responsible for providing building forensics and design reviews, setting enclosure design standards, as well as working as project manager for the Building America Program. He is responsible for conducting field investigations of commercial and residential buildings with assembly or system problems, providing explanations of the identified problems and developing retrofit recommendations

Vladimir Kochkin, Director of Applied Engineering, Home Innovation Research Labs



Vladimir Kochkin oversees engineering research programs at Home Innovation Research Labs on the structural, environmental, and energy performance of residential construction. He also manages our ANSI process for the development and maintenance of the National Green Building Standard™. - See more at: <http://www.homeinnovation.com/about/blog?auth=vladimir%20kochkin#sthash.qXnoQ07B.dpuf>

Lois Arena, Senior Engineer, Steven Winter Associates, Inc.



Lois Arena is employed by Steven Winter Associates, Inc. , with over 19 years of experience in the building science field. She has extensive experience with new and existing residential buildings including on-site testing and diagnostics, design assistance, and energy modeling. Lois currently works on the DOE's Building America program and conducts advanced systems research. She received her master's degree in engineering from the University of Colorado's Building Science Program and holds Passive House, BPI, and RESNET certifications.

Time for Q&A

Cladding Attachment Over Thick Exterior Insulating Sheathing

Peter Baker

pbaker@buildingscience.com



NextGen Advanced Framing

Vladimir Kochkin

vkochkin@nahbrc.com

In-Field Hygrothermal Performance of High R-Value Walls in Climate Zones 5

Lois Arena

larena@swinter.com

Survey

- How did we do?
- Your feedback is important!

Up Next...
3pm ET

September 24, 2014

Multifamily Ventilation Strategies and Compartmentalization Requirements

Thank You!

PDF copies of the presentations in this Webinar are available at:

<http://energy.gov/eere/buildings/building-america-meetings#current>

Visit: *www.buildingamerica.gov*

