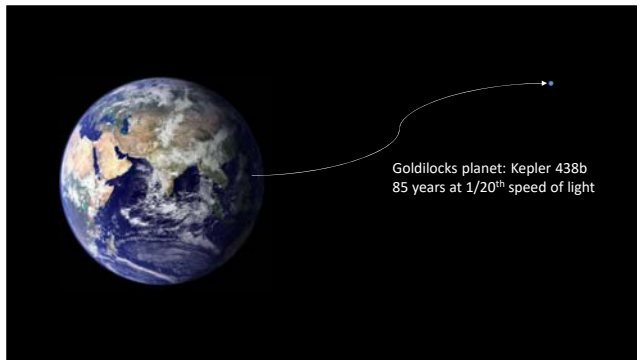
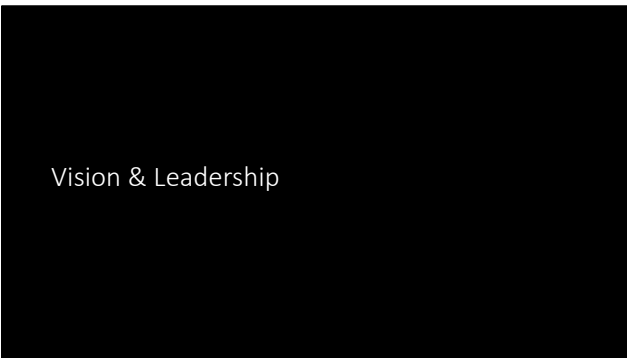


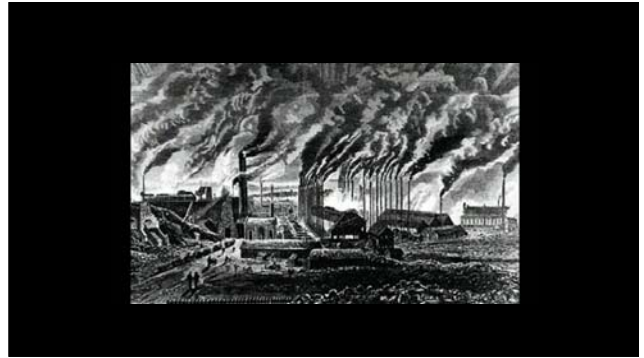
Transformation to Zero
BCAP Code Advocates Meeting
November 30, 2016



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CLIMATE WIRE SCIENCE:
Man-made warming may have begun a lot earlier than we thought
Gayathri Vaidyanathan, E&E reporter
Published: Thursday, August 25, 2016

By 1831, the signals of man-made global warming could be seen in the Arctic and the tropical oceans. By 1850, all of the Northern Hemisphere was warming. On the continents, people were clearing land, building railroads and mining coal at the start of the Industrial Revolution. That is when global warming began, scientists [announced](#) in Nature yesterday.



Coral coring at Rowley Shoals, west of Broome in Western Australia in November 2009.
Photo by Eric Mason, courtesy of the Australian Institute of Marine Science.



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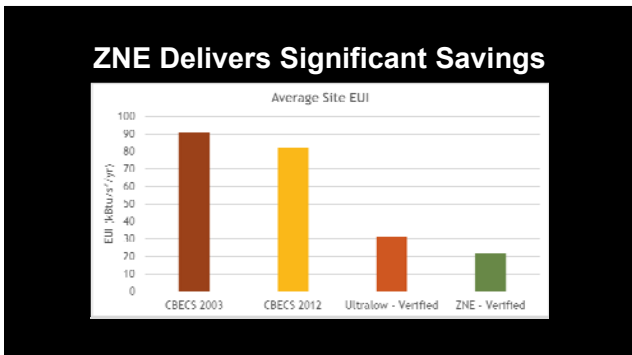
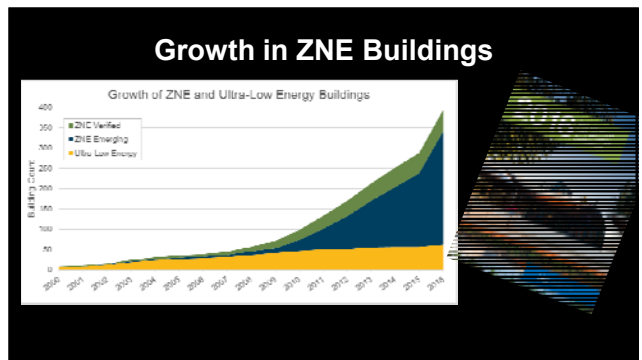
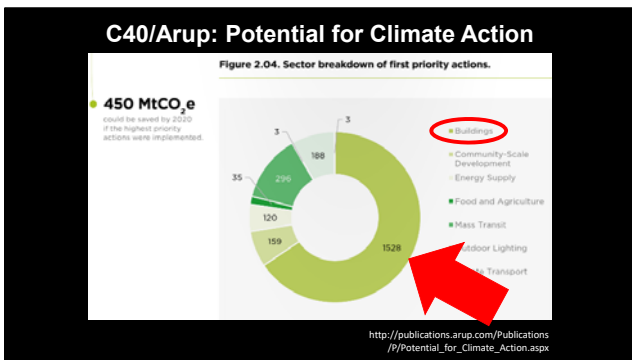
What are the components?

- Long Term View
- Inspiring Leadership
- Positive Outcomes
- Non-Partisan Movement
- Actionable
- URGENT



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Getting to Zero provides a tangible opportunity for Vision & Leadership



What if...

The ZNE Future is here today for everyone! Solar + Storage = Zero

I am starting with Necker Island, then Virgin, now the World. I am calling on Every CEO to do the same.

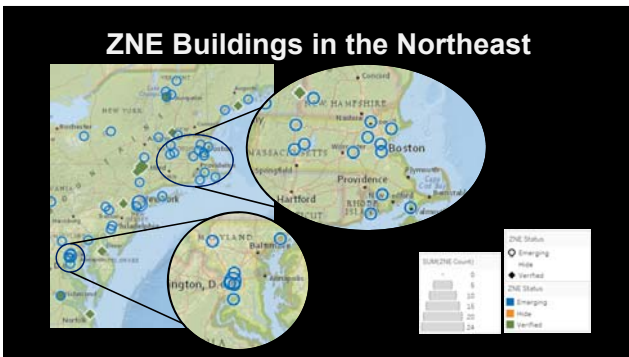
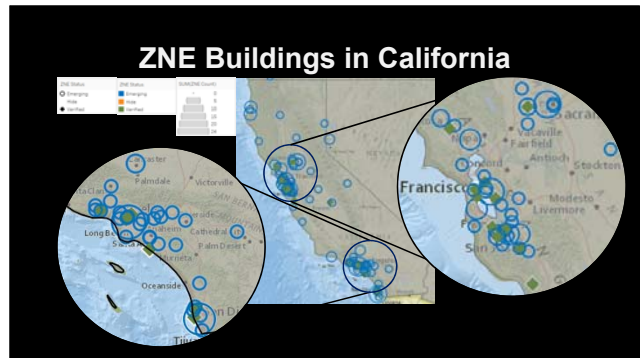
We will all get to Zero, or we will Zexit Earth!

Getting 196 nations to agree to Climate Action, that was the easy part, now the fun really begins!

No more "Nearly Net Zero", we can all strive for Net Positive!

For me, Zero is pretty close to nirvana. Everyone should strive for ZERO!

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NBI Support of ZNE Codes Technical Agenda

1. Zero-based codes – federal pre-emption of covered equipment
2. Zero-based codes – Fuel Switching: Electric, gas.....solar
3. Zero-based codes – loads “unregulated” by energy codes
4. Zero-based codes – total envelope performance (eg. Passive House)
5. Structural Deficiencies in Energy Codes– Multifamily, Change of Occupancy, Existing Bldgs.

nbi new buildings institute

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NBI Support for Path to ZNE Codes

- Stretch and Reach Codes
- Washington State (2031)
- California (2020 / 2030)
- New York City (80 x 50)
- Utility code programs / ZNE market transformation
- ZNE Building Requirements – Public Listing
(at newbuildings.org - available January, 2017)

