

# 2022

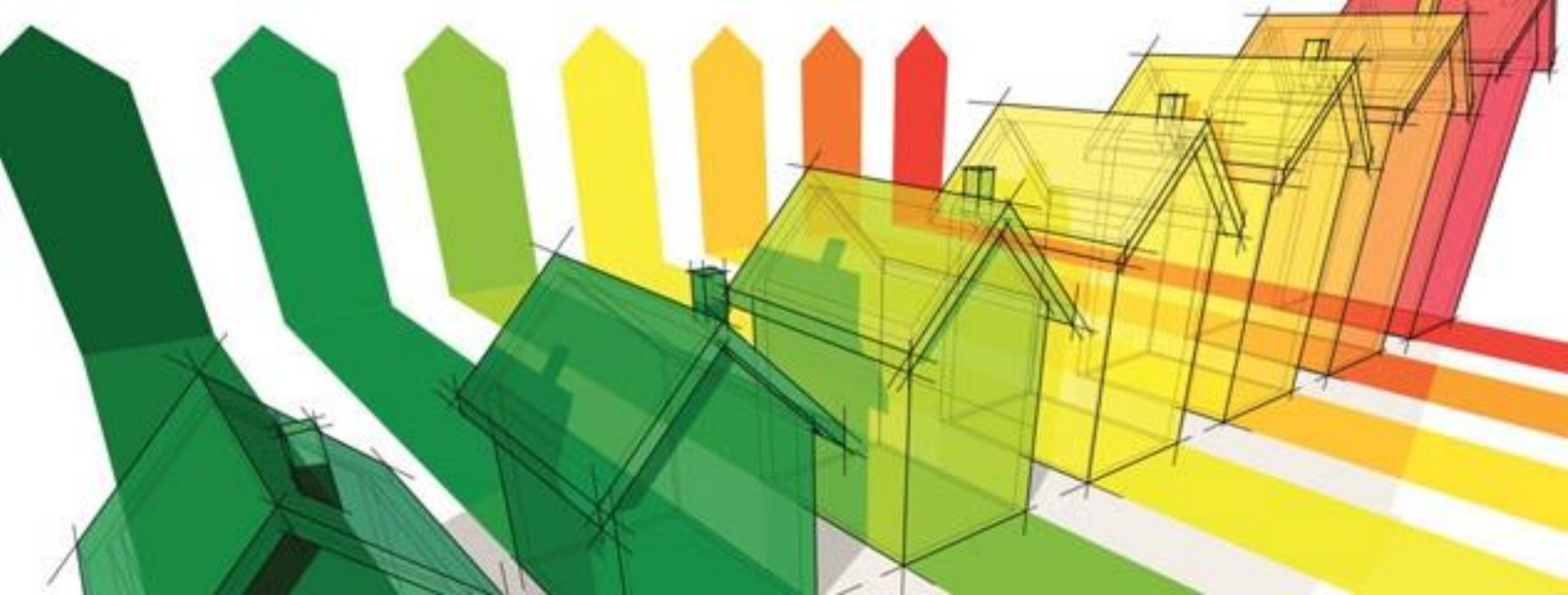
National Energy Codes Conference

## Advancing Decarbonization via Energy Codes - Impacts and Lessons Learned



**Building Energy Codes**

U.S. DEPARTMENT OF ENERGY



# Decarbonization and Energy Codes



*US DOE National Energy Codes Conference*

*July 21, 2022*

# Today's Speakers

Alison Lindburg, MEEA



Cameron Freberg,  
Austin Energy



Greg Arcangeli,  
Austin Energy



Howard Wiig, Hawaii  
State Energy Office

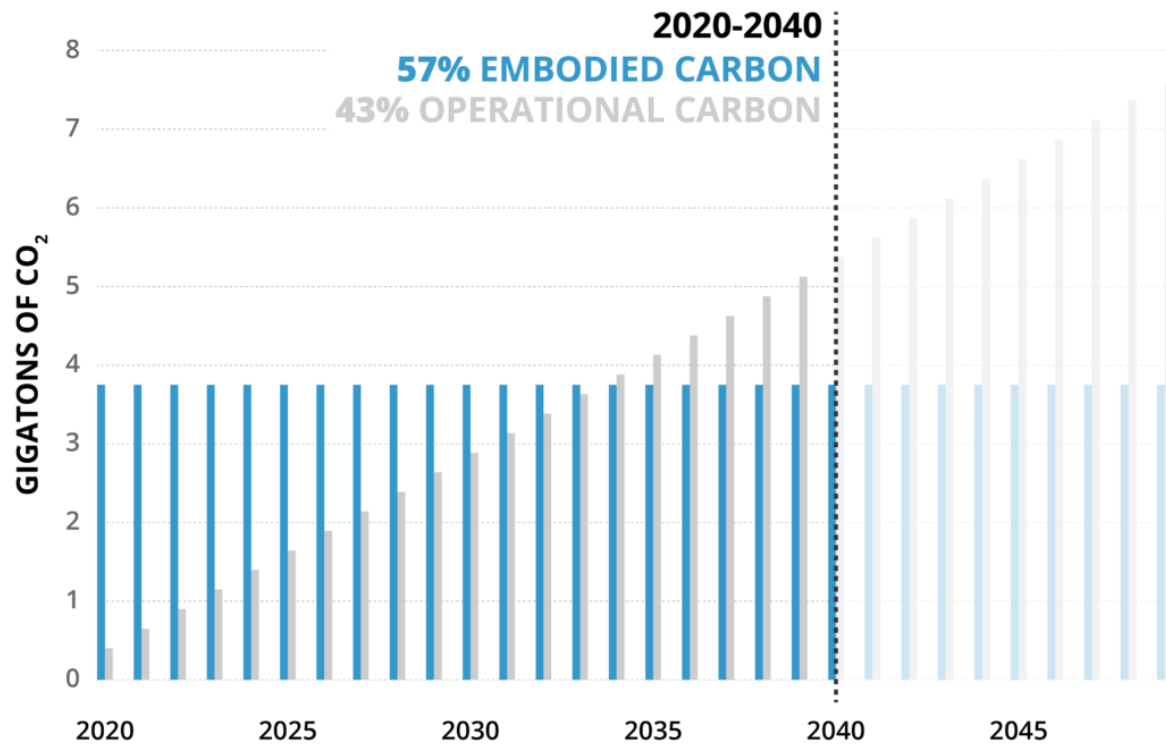


# Session Agenda

- **Introduction and Poll Question**
- **Speakers**
  - Austin Energy Green Building
  - Hawai'i Energy Office
- **Discussion Breakouts (pick your own!)**
  - Grid-Connected Gear (EV's, grid-interactive water heaters, etc.)
  - Enhanced Envelope (GEB and intersection of DERs)
  - Generation and Storage (Solar and batteries)

# Why Decarbonize Buildings?

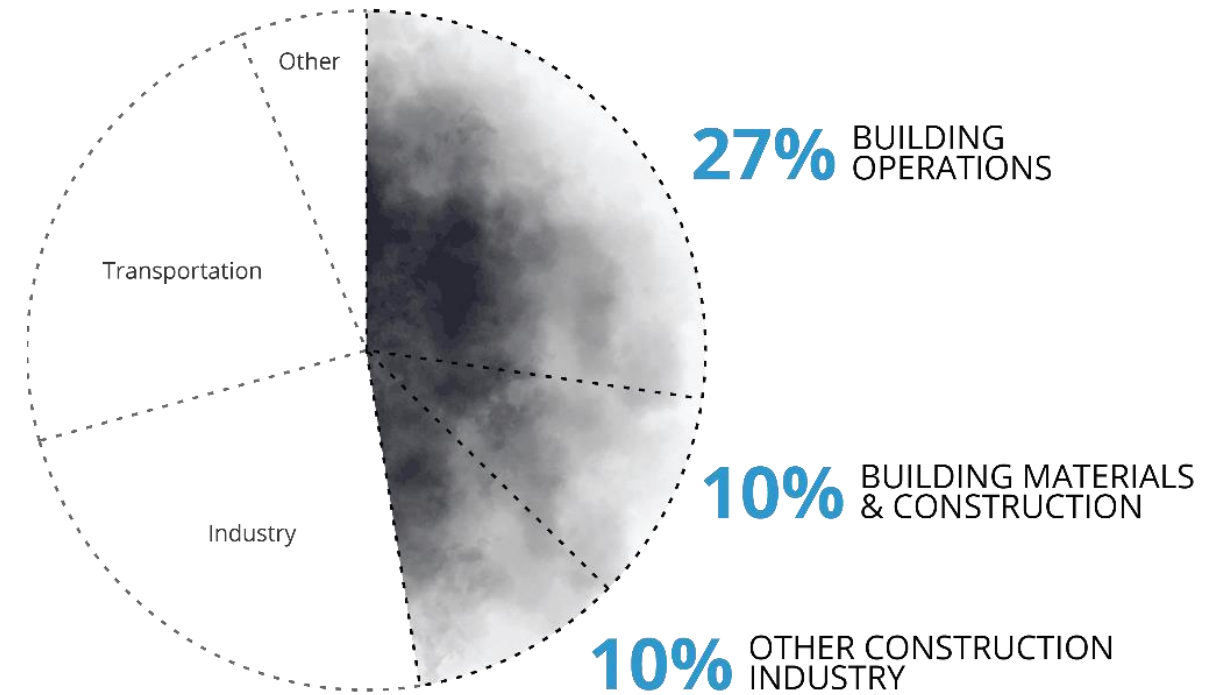
Total Carbon Emissions of **Global New Construction**  
with no building sector interventions



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Data Sources: UN Environment Global Status Report 2017; EIA International Energy Outlook 2017

Annual Global CO<sub>2</sub> Emissions



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Data Sources: Global ABC Global Status Report 2021, EIA

# Decarbonization and Energy Codes

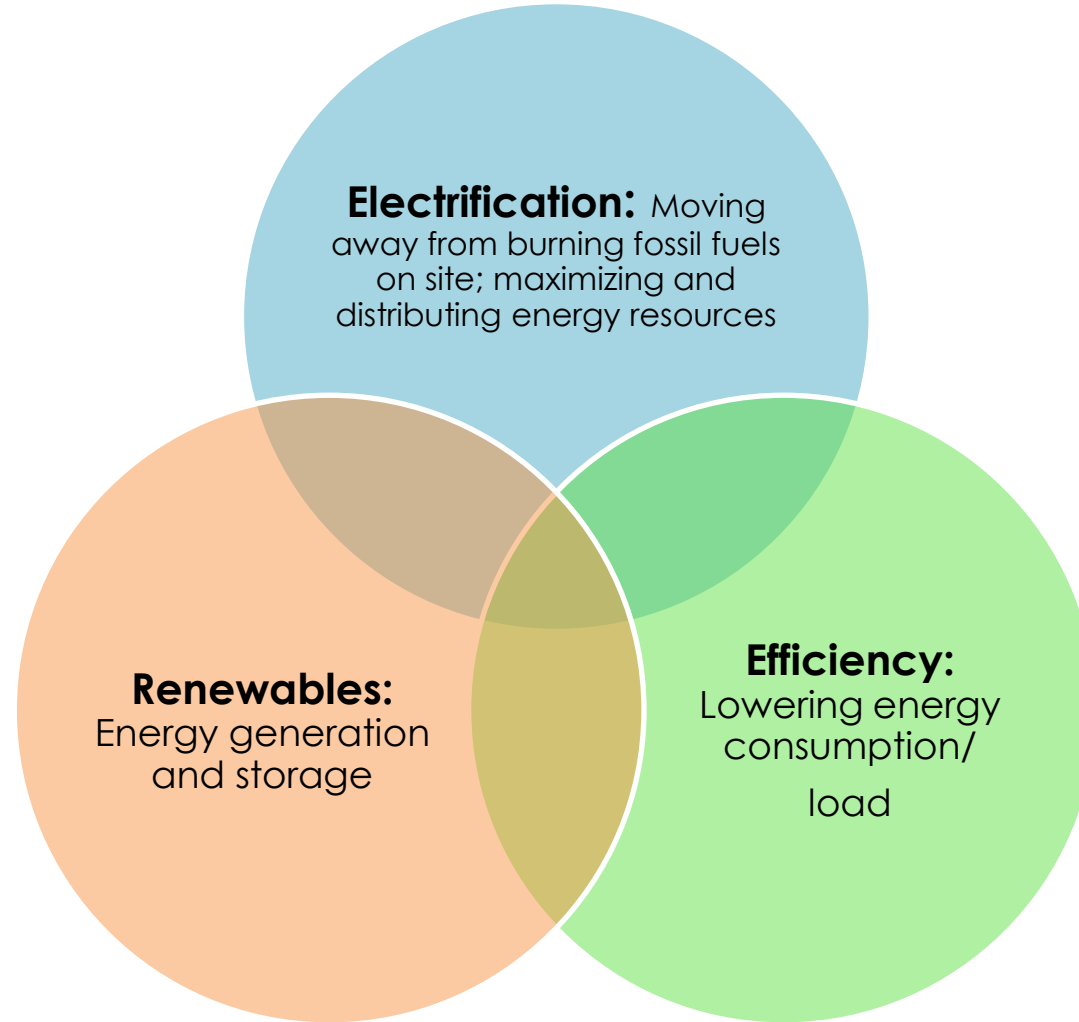
## Decarbonization:

The process of stopping or reducing carbon gases, especially carbon dioxide, being released into the atmosphere as the result of a process, for example the burning of fossil fuels.

## Benefits:

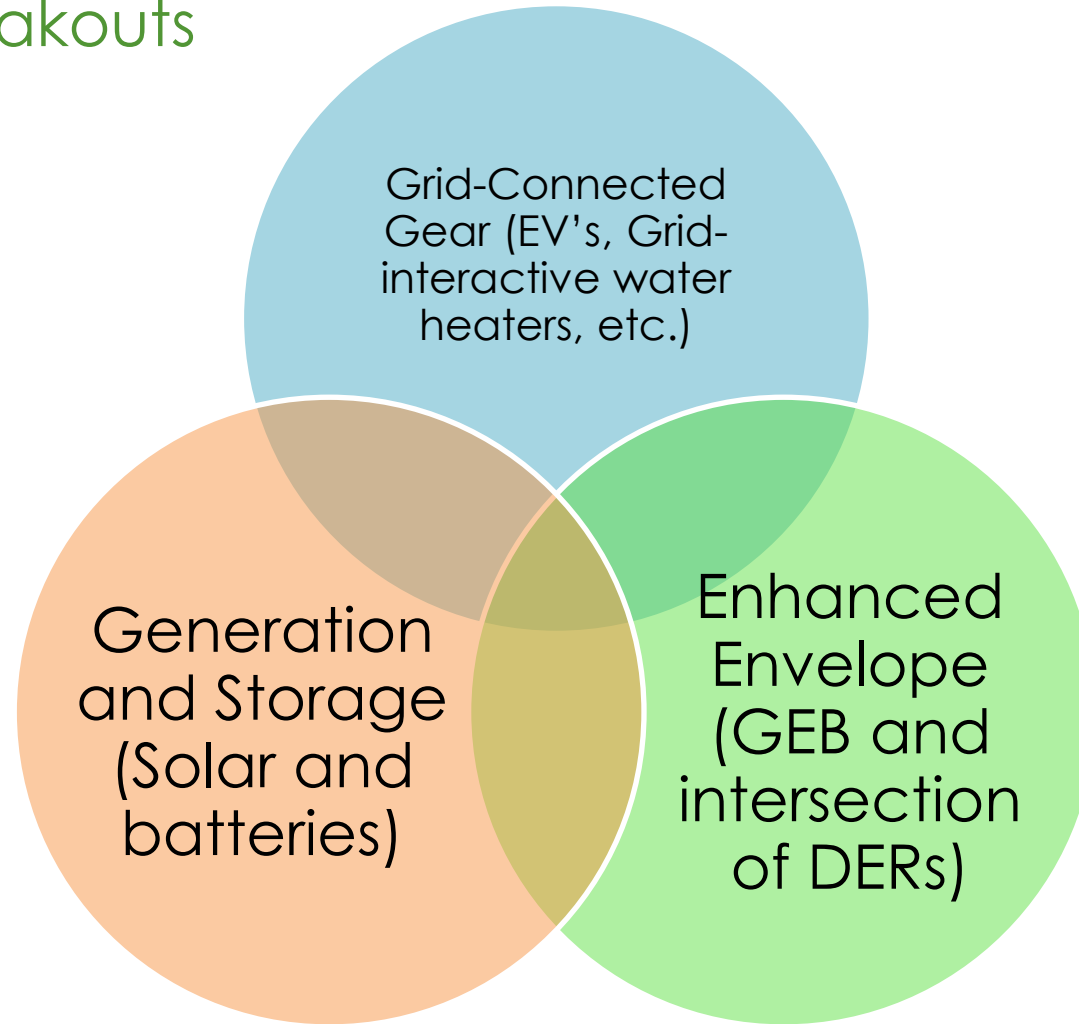
- Mitigate the disastrous impacts of climate change
- Provide resilience in the climate crisis
- Lower energy costs
- Support the growing clean energy workforce

# Decarbonization of Buildings



# Decarbonization of Buildings

## Our Discussion Breakouts





# Poll Question

Go to [menti.com](https://menti.com)

Code: 9085 1605

Thank you to our speakers and moderators!

Alison Lindburg

Midwest Energy Efficiency Alliance

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