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# Building Decarbonization: Regulatory and Policy Overview



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California Energy Commission



# Key Legislative Policy Drivers

- **SB 1477** (low emissions buildings)
- **AB 3232** (GHG reduction study)
- **SB 100** (zero-carbon supply by 2045)
- **SB 32** (emissions limits)



# Buildings Drive GHG Emissions

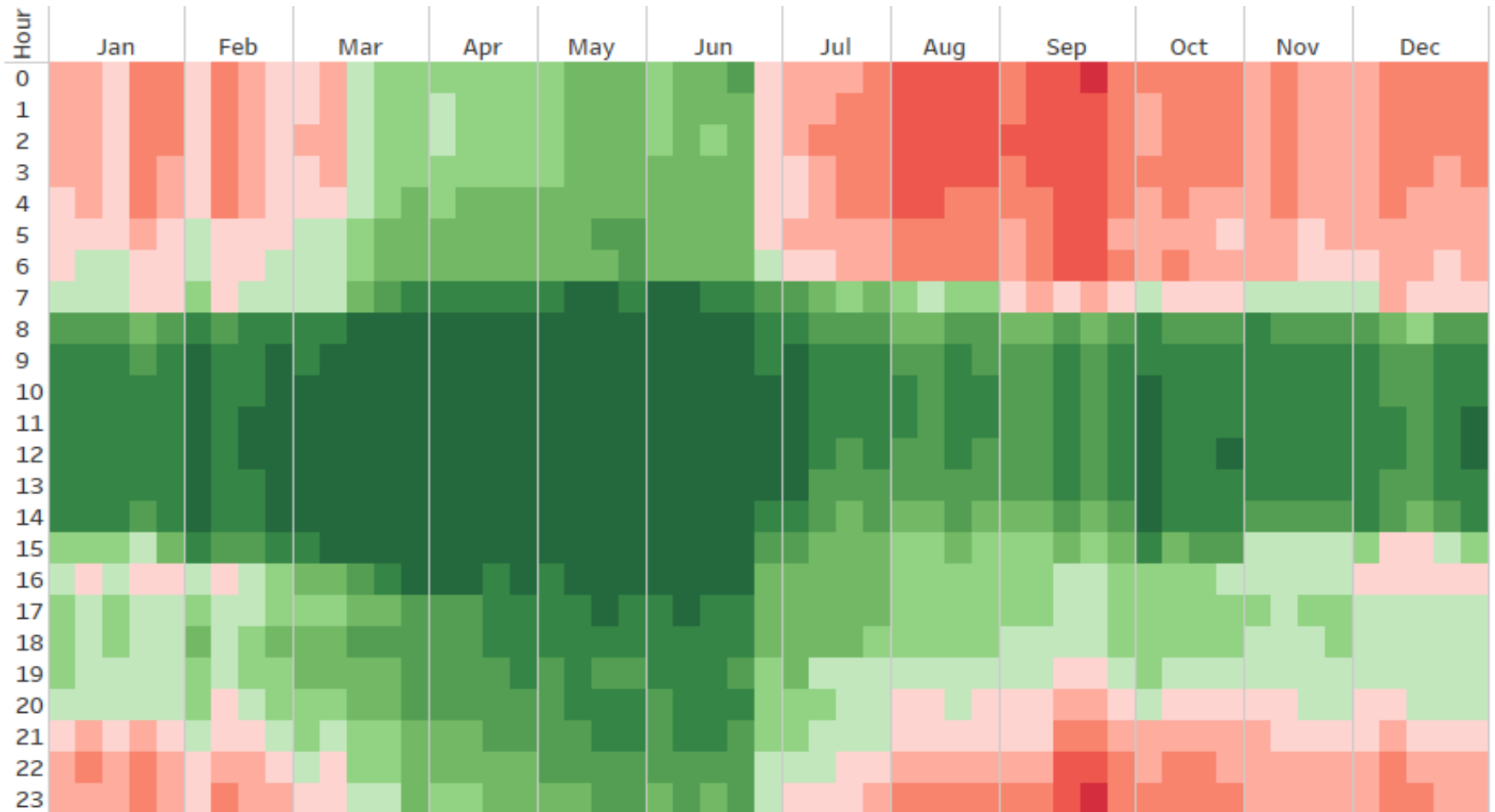
- **Direct emissions from buildings ~ 16% total GHG (33 MMTCO<sub>2</sub>e in 2016)**
- **CO<sub>2</sub> is ≥ 85% of GHG building level emissions**
  - **CH<sub>4</sub>, N<sub>2</sub>O, HFC/PFC's make up the balance**





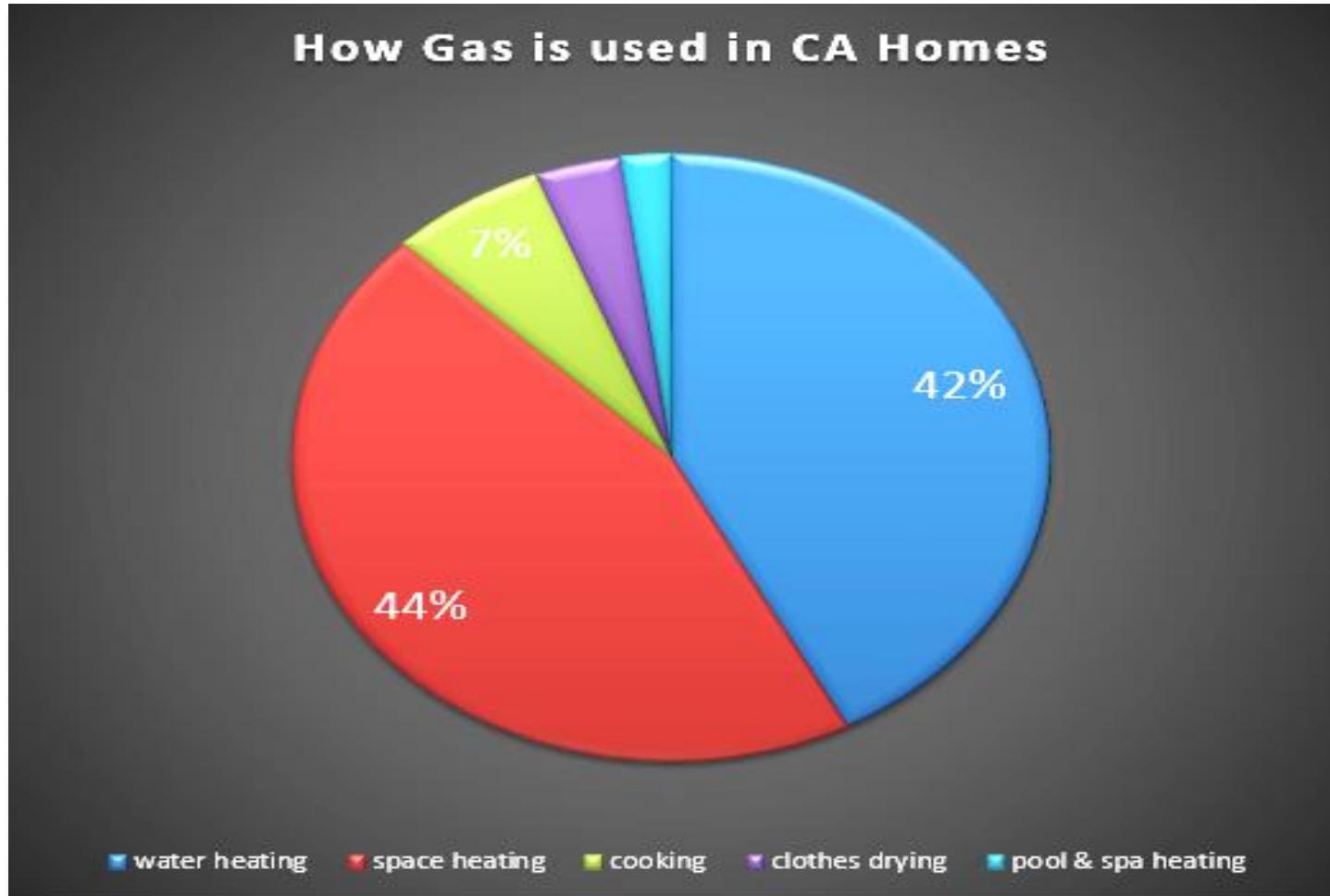
# Buildings Perspective: 2030

## Emissions Intensity Relative to Natural Gas





# Residential gas end-use





# Decarbonization Pathways

- **Energy Efficiency**
- **Electrification**
- **Renewable Natural Gas**



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