

Welcome to California!

NASEO Annual Meeting

Manhattan Beach, CA

September 16, 2019



Commissioner J Andrew McAllister, PhD
California Energy Commission



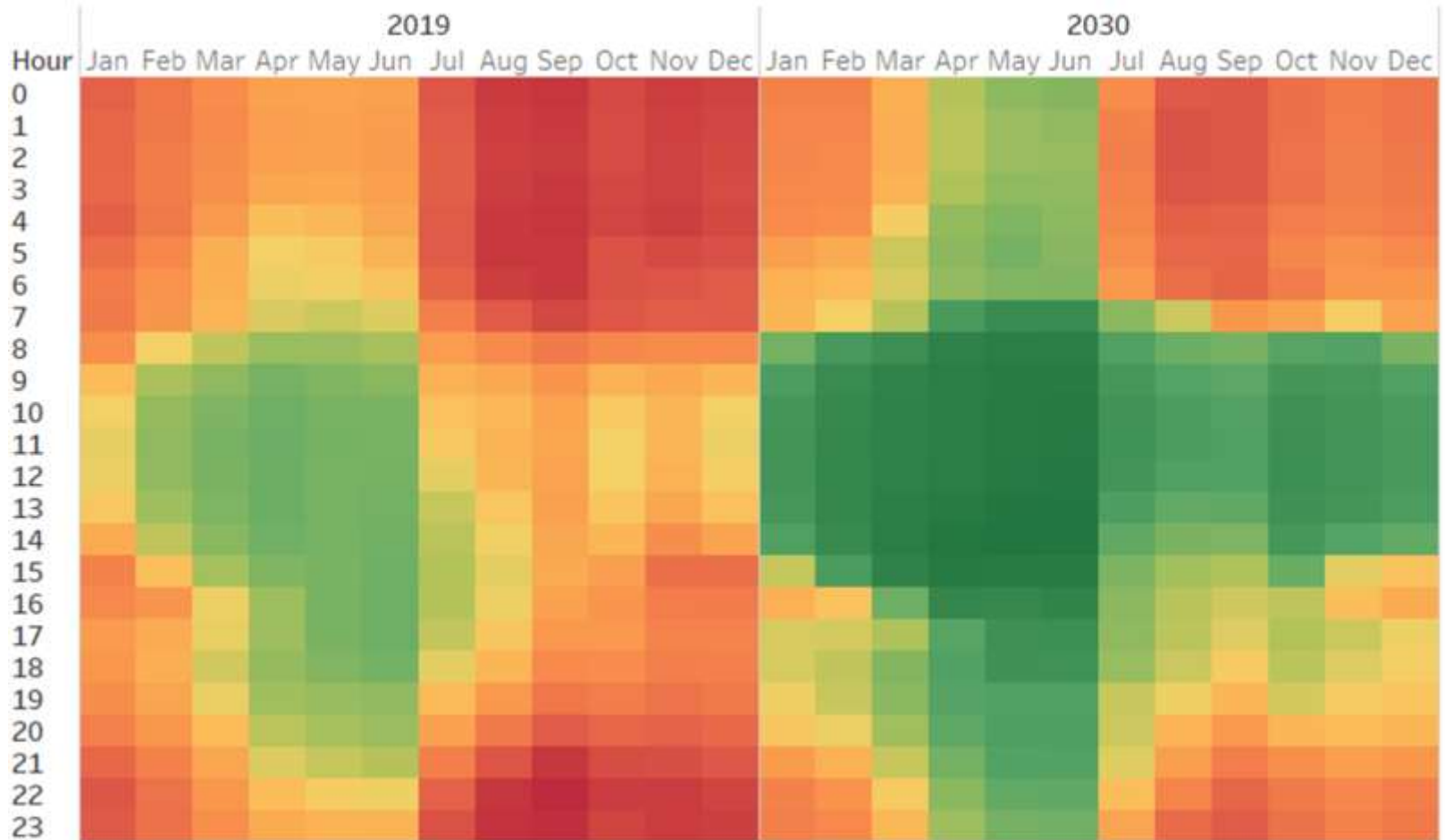
Policy Drivers

- 60% cleanelectricity by 2030; 100% by 2045
- Double energy efficiency savings by 2030
- Provide equitable low-carbon solutions for low-income residents & disadvantaged communities
- Electrify transportation
- Decarbonize buildings & industry

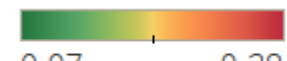
Carbon-free economy by 2045



Electricity CO2 Emission Intensities



Tonne per MW





100% Clean Energy by 2045

Clean Supply

+

Energy Efficiency

+

Demand Flexibility

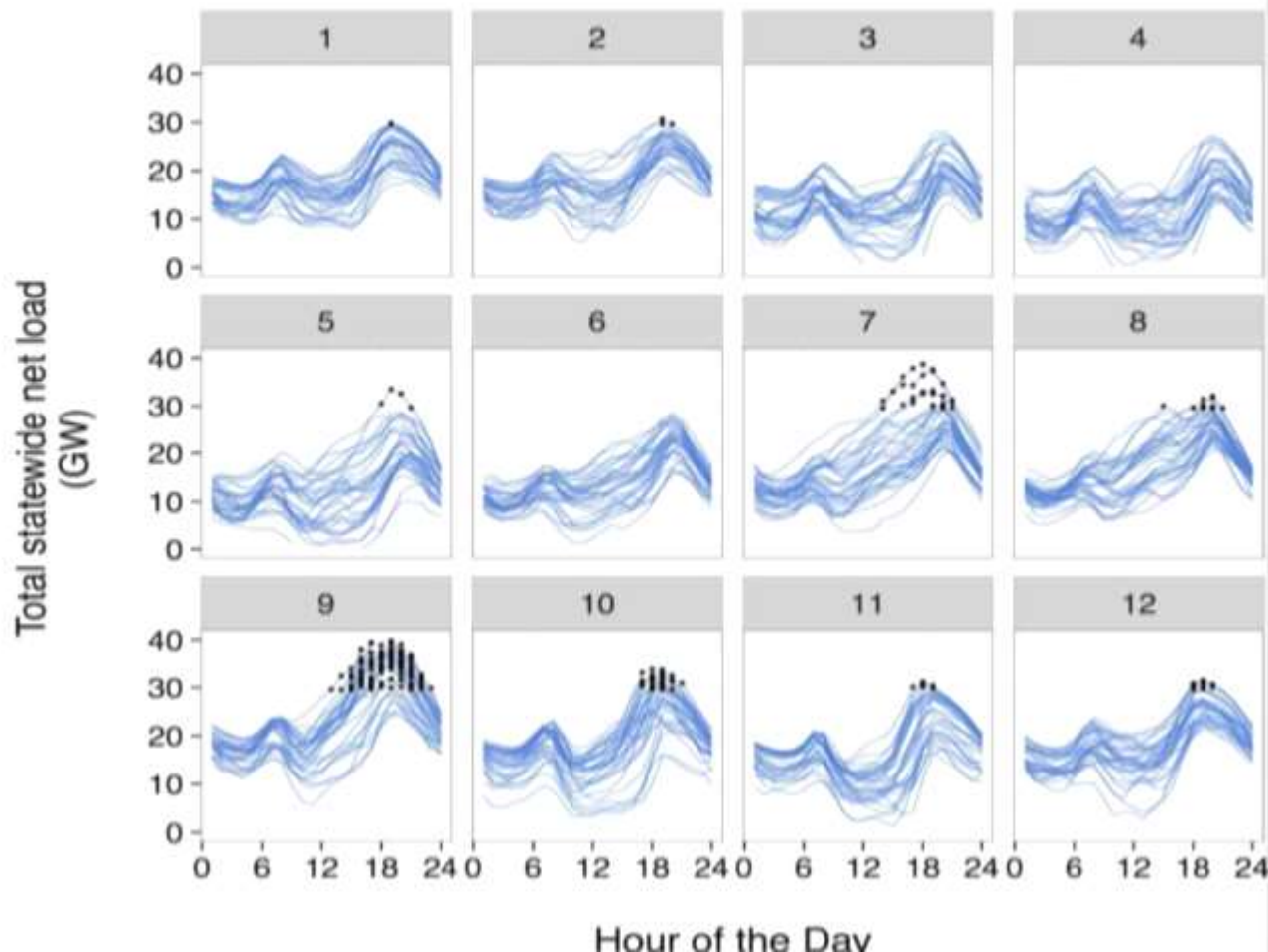
=

Decarbonization

Ducks Every Month

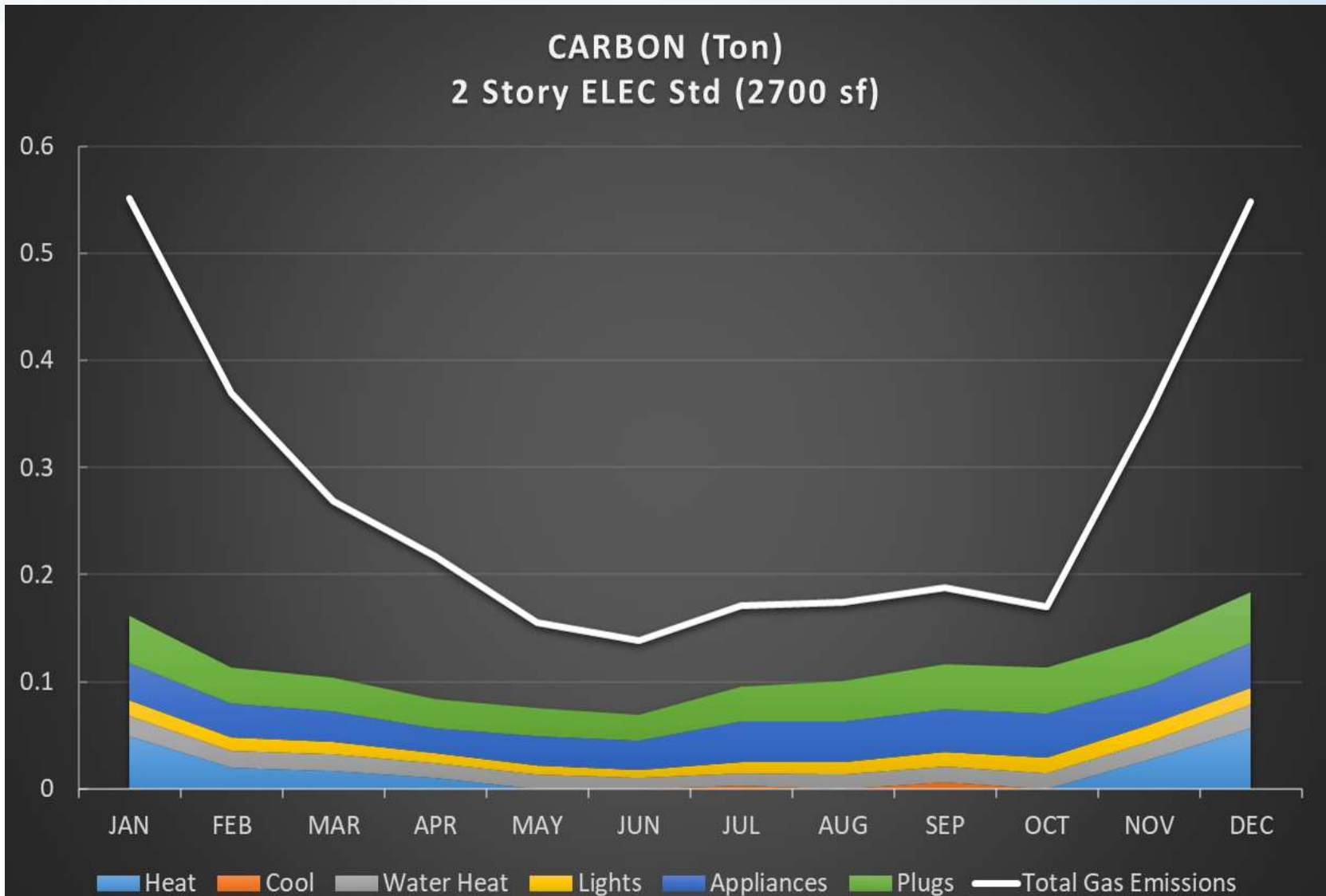
2025 Daily Net Load Profile

By Month | CEC Medium Growth Building Stock | 1in2 weather





Building Choices Matter





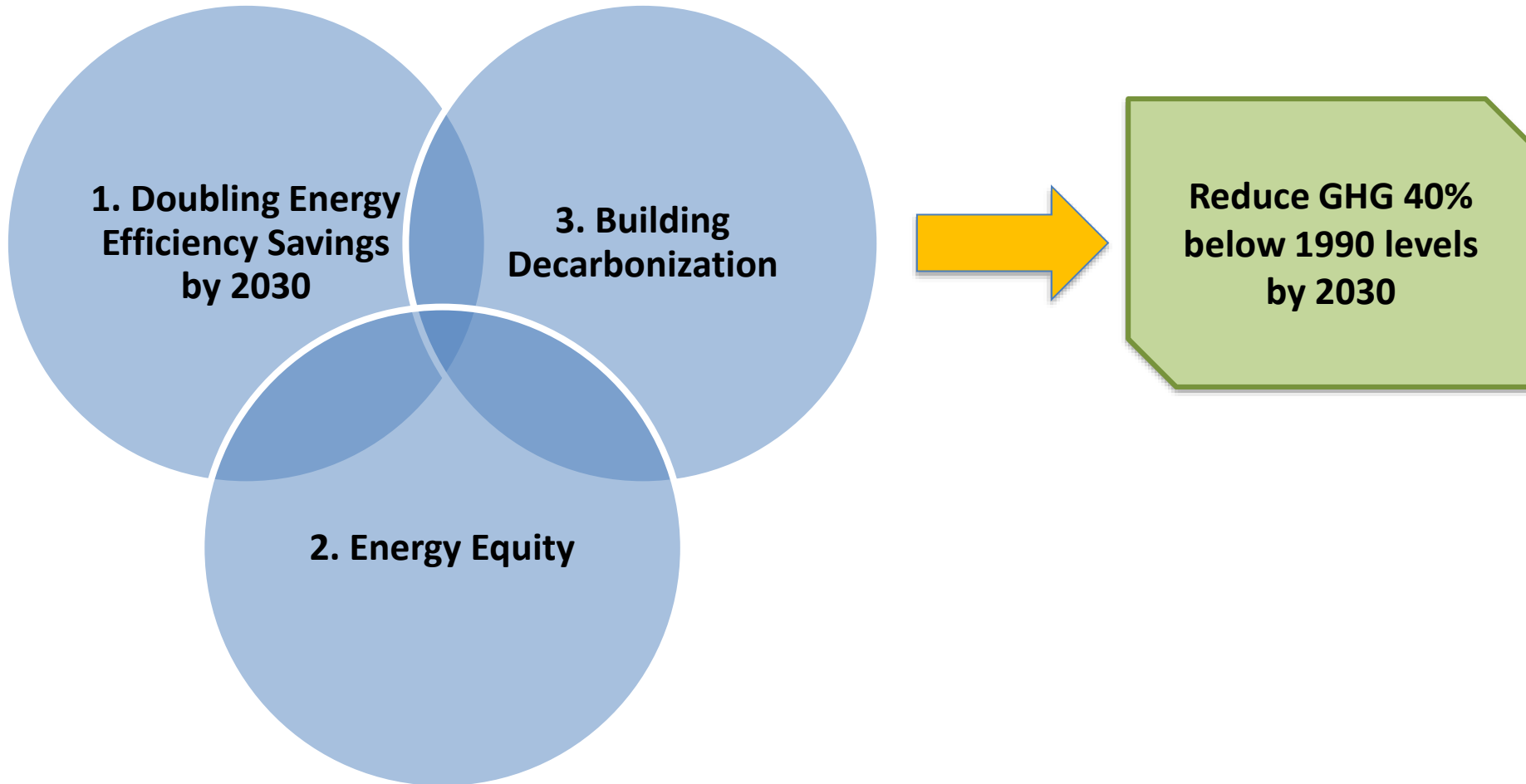
2019 Building Energy Code

- High performance envelopes
- On-site PV requirements to offset expected annual electricity
- All-electric performance baseline (optional) for low-rise residential & performance credits for high performance HPWHs
- Performance credit for behind-the-meter batteries





CA EE Action Plan



Onward!

**Have a Great
Annual Meeting**

