

DOCKETED	
Docket Number:	19-IEPR-06
Project Title:	Energy Efficiency and Building Decarbonization
TN #:	227585
Document Title:	Building Decarbonization - Regulatory and Policy Overview
Description:	***SUPERSEDES TN 227581*** -Presentation by Heriberto Rosales of CEC
Filer:	Raquel Kravitz
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	4/9/2019 1:40:45 PM
Docketed Date:	4/9/2019

Building Decarbonization: Regulatory and Policy Overview



Heriberto Rosales
April 8th, 2019
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)



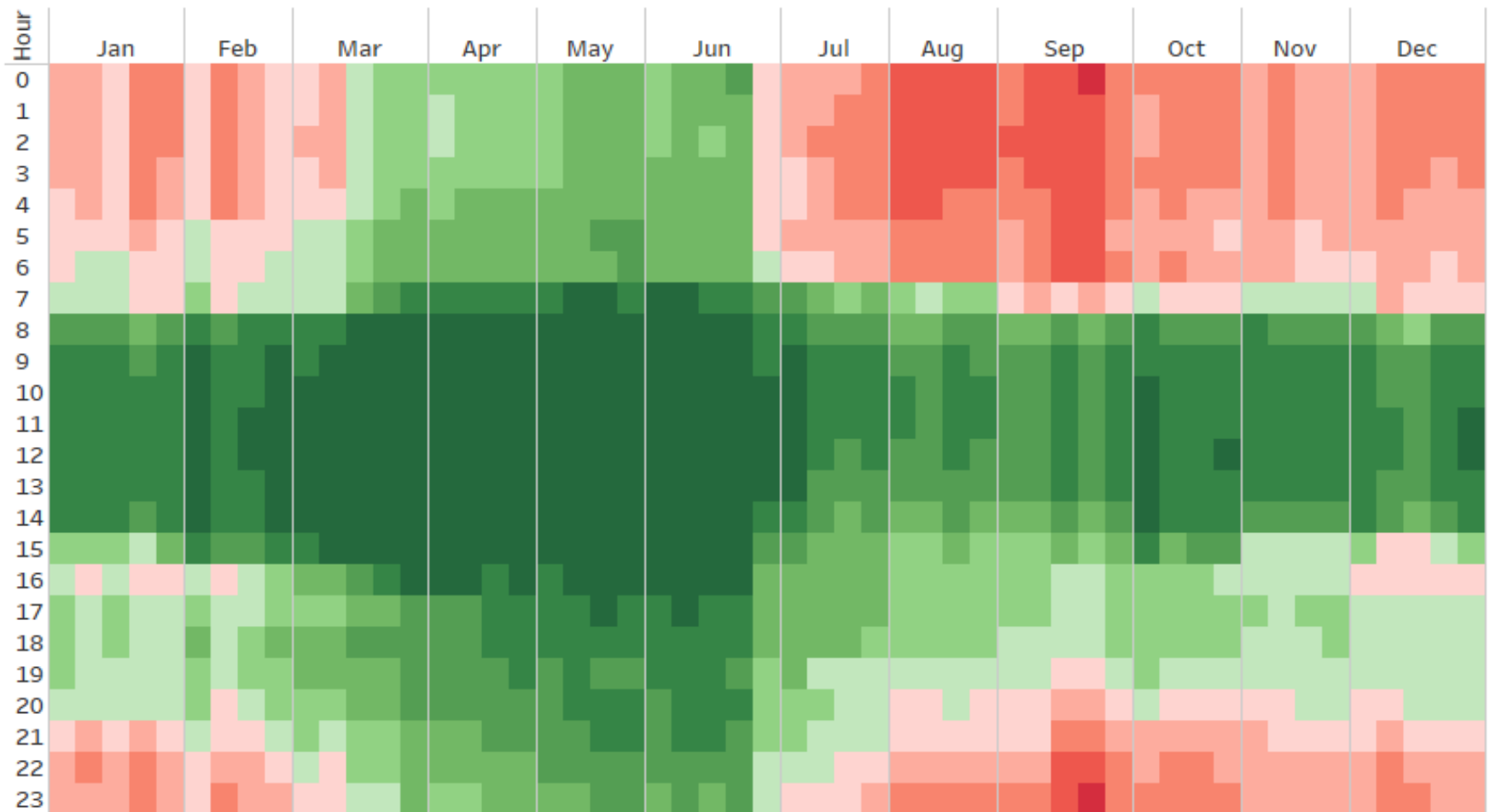
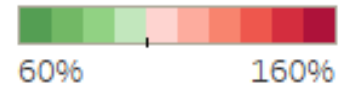
Buildings Drive GHG Emissions

- **Direct emissions from buildings ~ 12% total GHG (51.38 MMTCO₂e in 2016)**
- **CO₂ is ≥ 85% of GHG building level emissions**
 - **CH₄, N₂O, HFC/PFC's make up the balance**



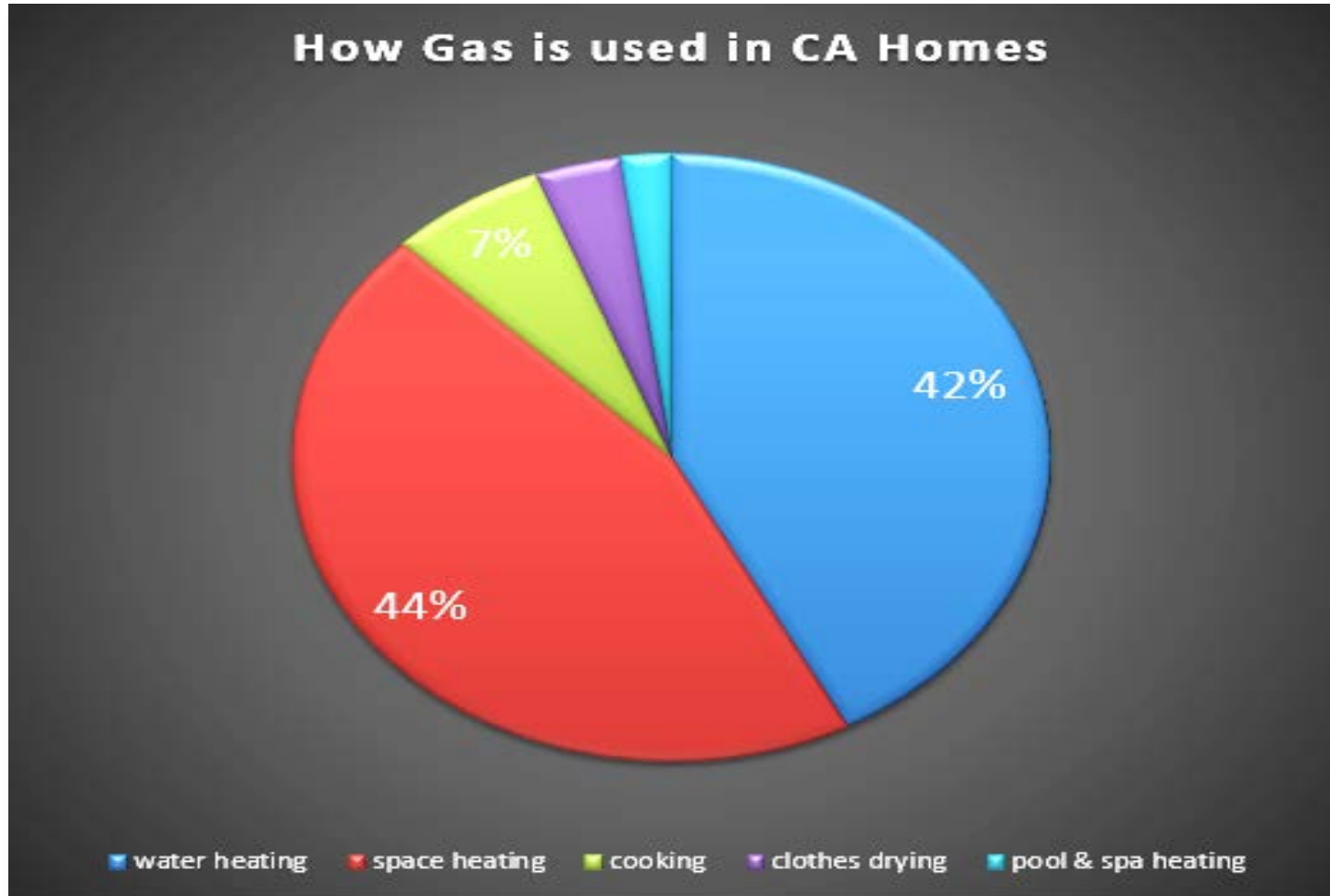
Buildings Perspective: 2030

Emissions Intensity Relative to Natural Gas





Residential gas end-use





Decarbonization Pathways

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

Contact:

Heriberto Rosales, Energy Specialist

Ph. 916-654-4879

hrosales@energy.ca.gov

