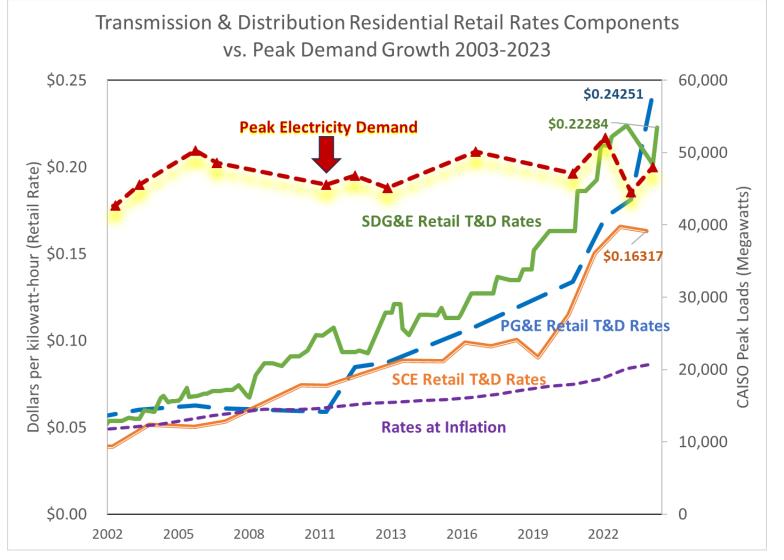


Dr. Richard J. McCann, MPP, Ph.D.

Partner, M.Cubed
February 19, 2025

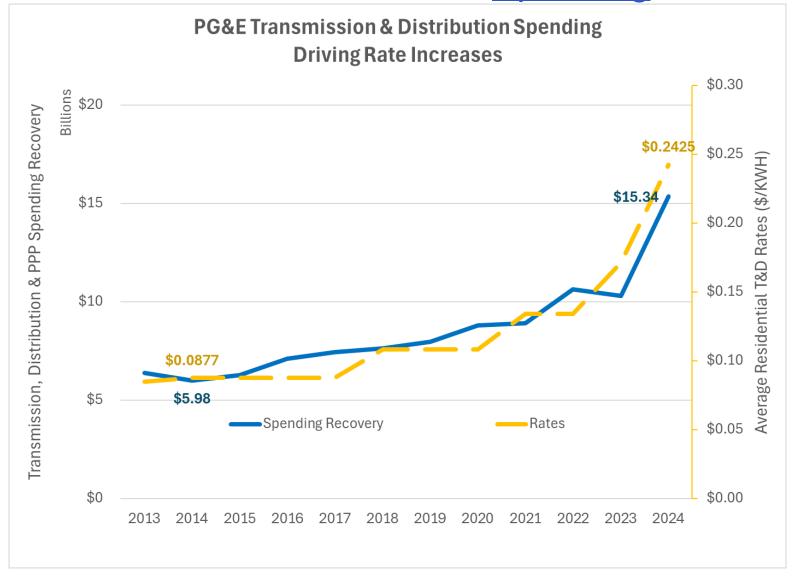


### Demand Has Been Flat For Years, Yet T&D Spending Is Up 300%



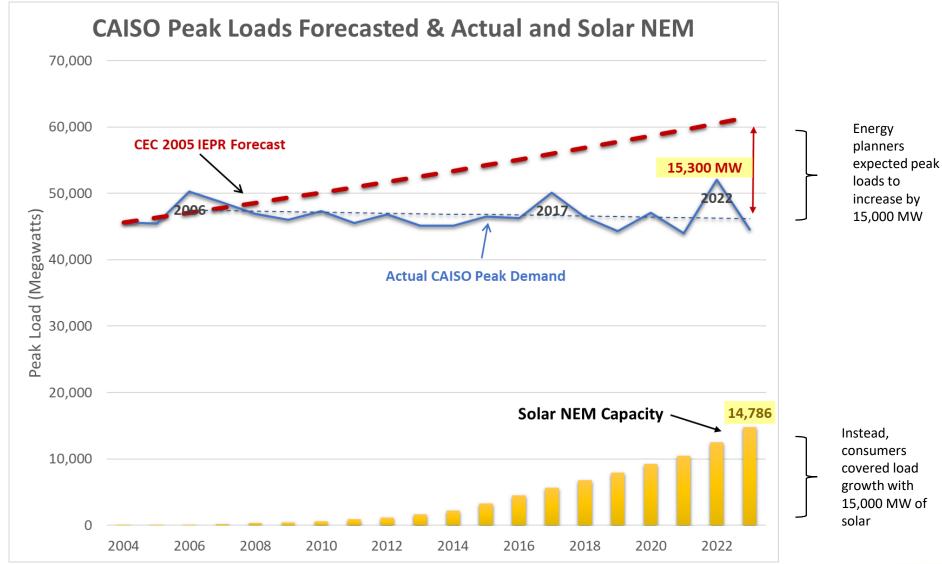


### Rates Have Increased Because Spending Has Increased





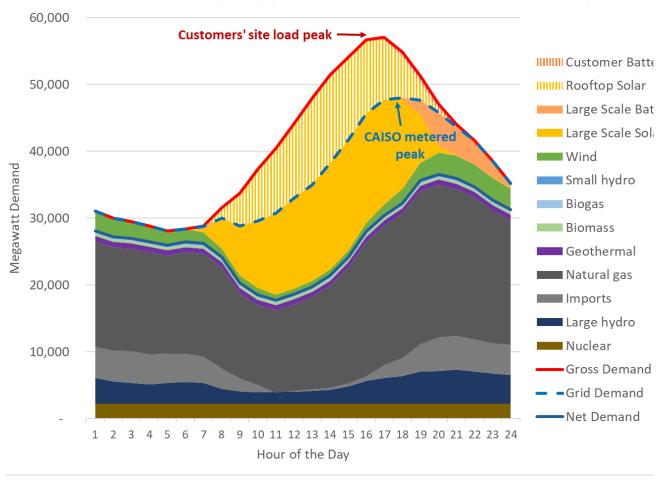
### Rooftop Solar Has Helped Keep Peak Electricity Demand Flat for 20 Years





### NEM Customers Serve Nearly 20% of Peak Demand

#### CA Electricity Supplies on the 2024 Peak Load Day





## Cost Shift Isn't the Explanation for High Rates

- Utility spending is driving rate increases
  - Even programmatic and policy spending are a small proportion
- Customers investing in rooftop solar and energy efficiency are saving ratepayers money
  - The state's loading order emphasizes customer-centered solutions
- Important question is how do we control utility spending effectively?



# Thank You

Richard McCann, Partner, M.Cubed 530.757.6363

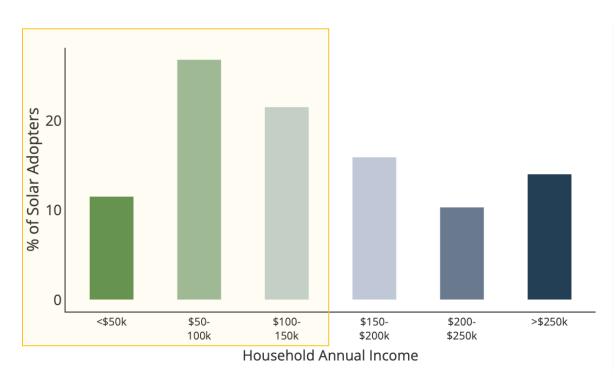
mccann@mcubed-econ.com

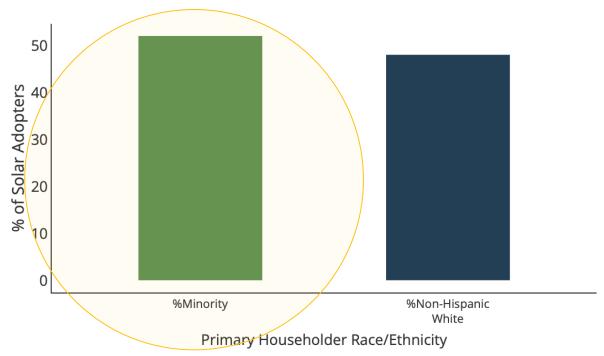


### 60% of 2023 Solar Users Low- and Middle-Income; 52% People of Color

#### **California Solar Adopter Income Distribution**

#### **California Solar Adopter Race Distribution**





Source: Lawrence Berkeley National Labs Solar Demographics



# Rooftop Solar Saves Everyone Money

Correcting their skewed analysis shows that rooftop solar produced a net <u>savings</u> to *all ratepayers* of \$1.5 billion in 2024.

- Self generation reduces the cost by half
- Ignored CARE customers, applied too high of solar output, and used too high of retail rates
- Ignored historic savings over the last two decades

It scapegoats solar to deflect attention from the true cause of rate increases: utility spending.

### Corrections to PAO "Cost Shift" Estimate 2024 \$ Billions



Source: M.Cubed workpapers contain citations



## An Economist's Perspective: The Problem Is Out of Control Utility Spending

Semitropic Water Storage District



- Richard McCann is an economist with M.Cubed Consulting. He has served as an expert witness in rate cases at the CPUC and other regulatory agencies for 30 years.
- He holds a Ph.D. and M.S. in Agricultural and Resource Economics from the University of California, Berkeley, and an M.P.P. from the University of Michigan.
- Dr. McCann manages a blog at mcubedecon.com.

#### **Example List of Recent M.Cubed California Clients**

LXampic	List of Recent W. Subed Samornia On
Governments & Tribes	Sonoma County
Bay Area Regional Energy Network	Sonoma County Water Agency
California State Attorney General	State Water Resources Control Board
CalEPA	United Conservation Water District
CARB	Yolo County
CEC	
CPUC	CCAs
Carpinteria Valley Water District	California Choice Energy Authority
Clean Power San Francisco	(Lancaster)
Delta Protection Commission	California Community Choice Assoc.
Delta Stewardship Council	Clean Power Alliance (Los Angeles)
Electricity Oversight Board	Silicon Valley Clean Energy
Irvine Ranch Water District	Sonoma Clean Power Authority
Placer County	Valley Clean Energy Alliance
Round Valley Indian Tribes	
San Luis Obispo County	NGOs
San Mateo County	Center for Biological Diversity
Santa Clara County	Environmental Defense Fund

Sierra Club

#### **Business/Trade Associations**

Agricultural Energy Consumers Association California Energy Storage Association

California Farm Bureau Federation

California Solar and Storage Association

California Water Service Company

Small Business Utilities Association

Western Manufactured Housing Communities Assoc.

