SAN JOSE CLEAN ENERGY
A Program of the City of San José

SILICON VALLEY CLEAN ENERGY

present

'Watts For Lunch'

Building Electrification

February 27, 2020

Watts for Lunch

- Interactive CCA updates
- Understand customer priorities
- Local peer networking
- Forum for learning/idea sharing
  - best practices
  - new technology, services
  - programs and incentives

AGENDA:

11:00 am	SVCE and SJCE Intro and Welcome
11:10 am	Host Attendee Introductions
11:20 am	**John Supp,** Manager of Account Services, Silicon Valley Clean Energy *"Reach Codes Across Santa Clara County: An Overview"*
11:35 am	"Watt Do You Think" Interactive polling
11: 45 am	**Panama Bartholomy**, Director, Building Decarbonization Coalition *"Why Electrification, and What's Happening in Policy and Practice?"*
12:10 pm	Lunch is served
12:40 pm	**Asim Tahir, District and Renewable Energy Lead, Google** *"Innovative All-Electric Construction Approaches at Google"*
1:10 pm	"Watt Do You Think?" Interactive polling
1:20 pm	**Zach Struyk, Deputy Director, Account Management and Marketing, San Jose Clean Energy -** Summary of Launch Year & Intro to the Team - Green Tariff Development (Mark Bachman) - CALeVIP (Kevin Meehan) - Program Roadmap (Kevin Meehan)
1:40 pm	**Don Bray, Director of Account Services and Community Relations, Silicon Valley Clean Energy** - 2019 Accomplishments - Procurement - Newly Available Volume Discount Pricing (GreenPrime Direct & ECO-Investment) - Forthcoming programs (CALeVIP & Resilience)
2:00 pm	Wrap Up, Forthcoming Event Announcement Adjourn to Networking

Meet Our Teams...

And Each Other!

SAN JOSE CLEAN ENERGY
A Program of the City of San José

SILICON VALLEY CLEAN ENERGY

John Supp

Manager of Account Services

Reach Codes – Buildings and EV Charging

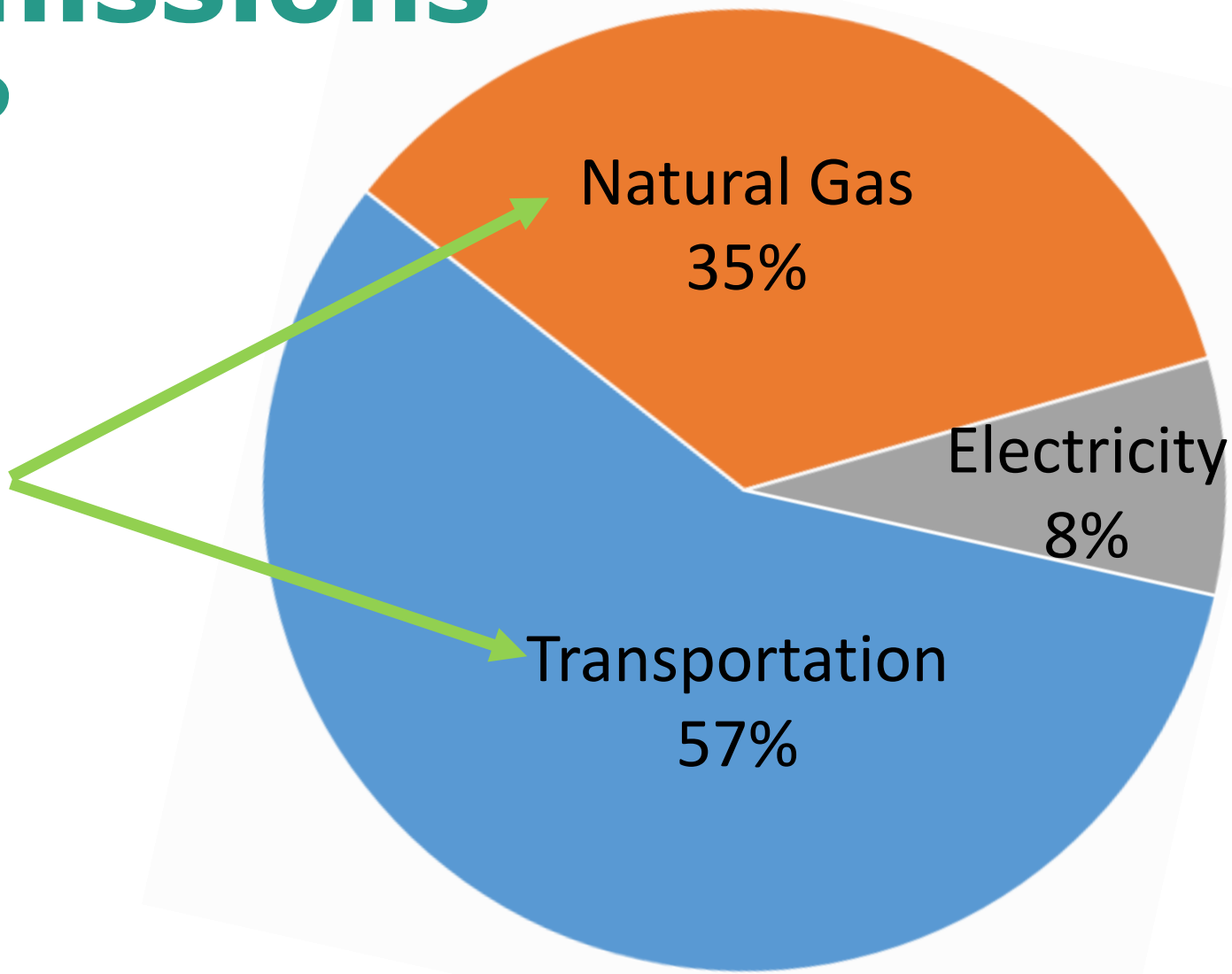
Purpose

Cities encouraging/requiring

- Electric HVAC (and more) in new construction
- Enhanced EV infrastructure

Where are Emissions in 2018?

Priority areas



Major Goals

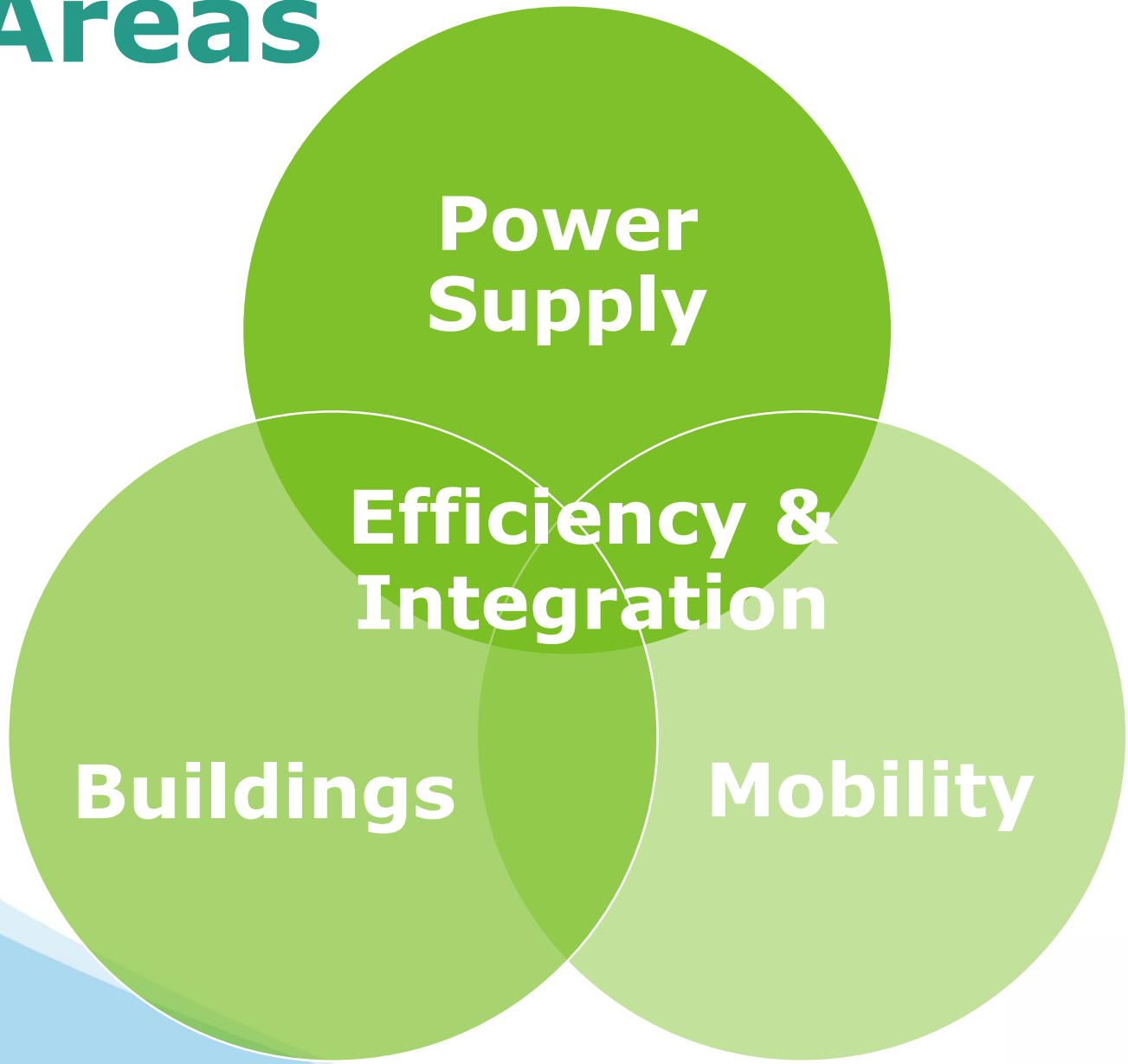
Reduce statewide greenhouse gas emissions (GHG)

Natural Gas

Transportation Fuels

Electricity – via SJCE & SVCE

Focus Areas



Mobility (57%)

Personal/Fleet Vehicles
Mass Transit
Freight
Charging Infrastructure

Buildings (35%)

Lighting
HVAC
EV charging
Cooking
Refrigeration
Renewables
Energy Storage

Buildings

Key role

- Energy for the building
- Transportation
  - Employee
  - Customer
  - Goods & Services

Existing and New Construction

- Retrofits cost more, larger market segment
- New construction saves money, smaller market

Anything not addressed during construction becomes a retrofit need in the future.

Solution: support cities in adopting building codes that save money during construction and minimize future retrofit costs.

Solution – Reach Codes

Cities seeking support leveraged regional services

- Collaboration with SVCE, San Jose/SJCE & PCE
- Technical code consultants hired
- Multiple stakeholder engagements
- Drafted Building and EV infrastructure code language
- Templates for staff reports, presentations
- Tools and training for post-implementation

Result – Reach Codes

Cities vote(d) for two major considerations for Buildings:

Encourage or Require electric HVAC systems

Encourage or Require enhanced EV charging

Result – Buildings

Cities vote(d) for two major considerations for Buildings:

Encourage all-electric by increasing standards for buildings with natural gas

Limit use of natural gas to low usage systems

Require electricity for all* systems

* where appropriate

Result – EV infrastructure

Start with CalGreen, then increase one or more of

Quantity – service more spaces*

Readiness – upgrade from conduit/capacity only

Charging speed – include faster charger where appropriate

* check out load managed charging

Approved Zero Emission Building Codes in California as of 2/21/2020

Jurisdiction	Approach			Systems			Buildling Types								Add-Ons		
	Natural Gas Infrastructure Moratorium	All-Electric Reach	Electric-Preferred	Whole Building	Water Heating	Space Heating	Low Rise Residential	City-Owned Properties	High Rise Residential	Hotel	Retail	Office	Restaurant	Life Sciences	Additional Solar	Electric Vehicles	Natural Gas In Lieu Fee
Alameda	X			X				X									
Berkeley	X		X	X			X	X	X	X	X	X	X	X			
Brisbane*		X			X	X	X	X	X	X	X	X	X				
Campbell		X			X	X	X									X	
Carlsbad	X	X			X		X								X		
Cupertino		X		X			X	X	X	X	X	X	X			X	

…and more…

Over 25 jurisdictions

http://www.buildingdecarb.org/active-code-efforts.html

Any Questions?

Watt Do You Think?

Interactive polling provided through your smartphone!

Please navigate to:

www.zeetings.com/SVCE

Panama Bartholomy

Director

Building Decarbonization Coalition

SILICON VALLEY CLEAN ENERGY

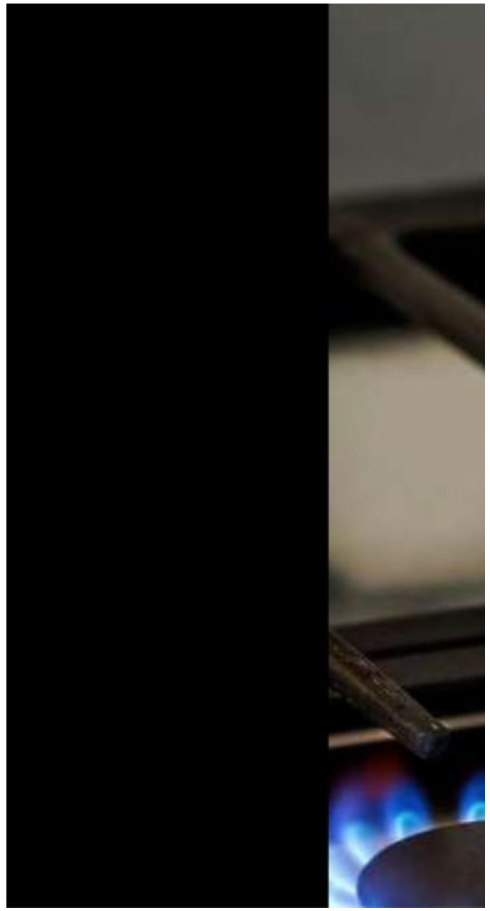
SVCE and SJCE
‘Watts For Lunch’
February 27, 2020

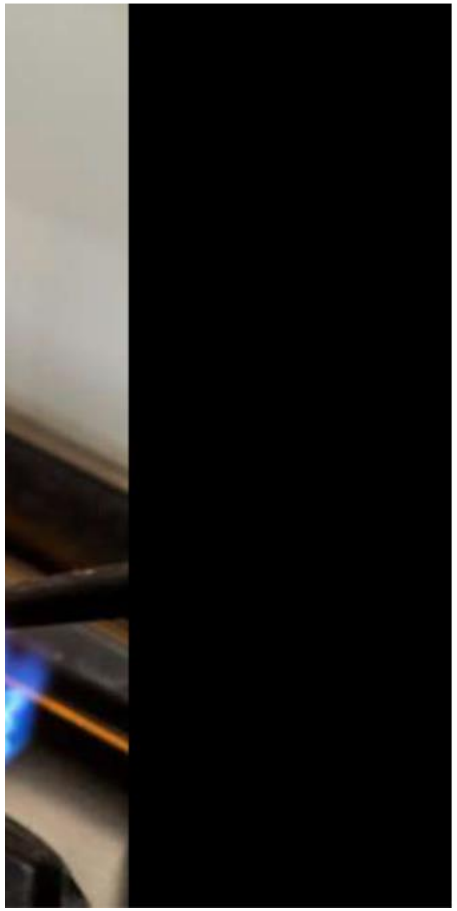

POINT ENERGY INNOVATIONS
Greenbank Associates
CalCCA
California Community Choice Association
Sonoma Clean Power
CITY OF LOS ANGELES FOUNDED 1781
SEAL OF THE CITY AND COUNTY OF SAN FRANCISCO
TerraVerde ENERGY
CAL SMACNA
BAY AREA AIR QUALITY MANAGEMENT DISTRICT
NRDC NATURAL RESOURCES DEFENSE COUNCIL
Local Government Commission
Leaders for Livable Communities
ANN V EDMINSTER
DESIGN AVEnues LLC
SIERRA BUSINESS COUNCIL
SIERRA CLUB
ABS APPLIED BUILDING SCIENCE
FRONTIER energy
Western HVAC Performance Alliance Inc.
WSP
MENLO SPARK
CITY OF PALO ALTO UTILITIES
CUSHMAN & WAKEFIELD
STEFFES
CUSTOMER FOCUSED. SOLUTION DRIVEN. FIELD PROVEN.
INVESTOR CONFIDENCE PROJECT
PLANNING EXCELLENCE
AMBAG
Association of Monterey Bay Area Governments
CITY OF OAKLAND
CLEAResult
Turner
A-1 GUARANTEED Heating & Air, Inc.
FAMILY OWNED & OPERATED
AO Smith
Innovation has a name.
U.S. GREEN BUILDING COUNCIL USGBC
Rheem
EPRI
ELECTRIC POWER RESEARCH INSTITUTE
SIEGEL & STRAIN Architects
ARDENNA ENERGY
IR Ingersoll Rand
Redwood Energy
Leaders in ZNE Design
WRNS STUDIO
GLUMAC
A TETRA TECH COMPANY
SEA
stone energy associates
SMUD
Powering forward. Together.
RHTR
RURAL HARD TO REACH LOCAL GOVERNMENT PARTNERSHIPS' WORKING GROUP
MITSUBISHI ELECTRIC
AIR CONDITIONING SYSTEMS
ASSOCIATION FOR ENERGY AFFORDABILITY INC.
STOPWASTE
at home • at work • at school
the Energy Coalition
SPAN.IO
TRC
Results you can rely on
JouleSmart
Guttmann & Blaevoet
CONSULTING ENGINEERS
PERFORMANCE SYSTEMS DEVELOPMENT
Gensler
Sensgreen
LA DWP Los Angeles Department of Water & Power
CESC
SILICON VALLEY CLEAN ENERGY
CITY OF Fremont
OPEN
INTEGRAL GROUP
COLMAC WATERHEAT
A division of Colmac Industries.
Stantec
ReplaceNow
SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company
EDF ENVIRONMENTAL DEFENSE FUND
Finding the ways that work
SUSTAINABLE SFUSD
WRCOG Western Riverside Council of Governments
BRADFORD WHITE
WATER HEATERS

Berkeley natural g an

By Sarah Ravani Updated 7:

374

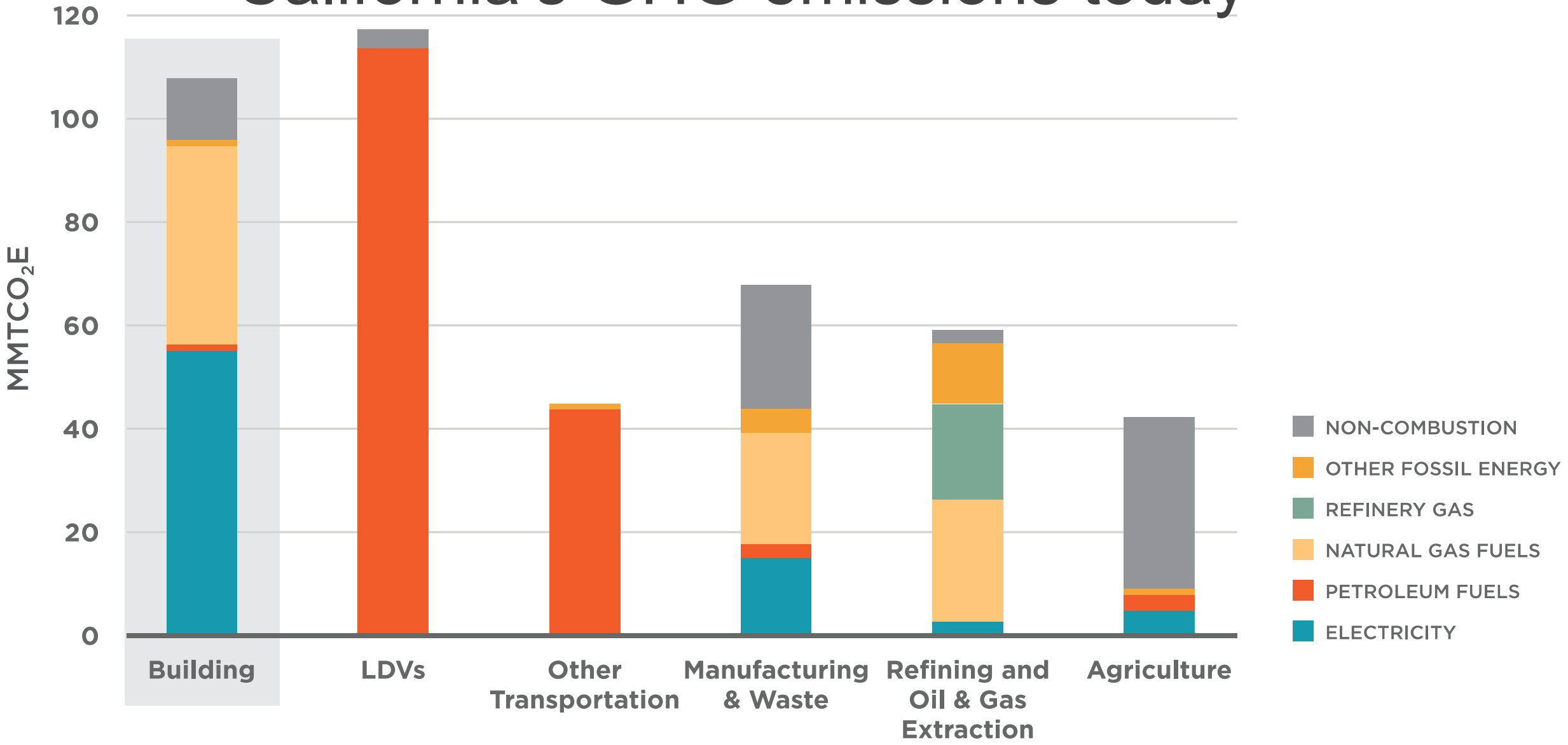




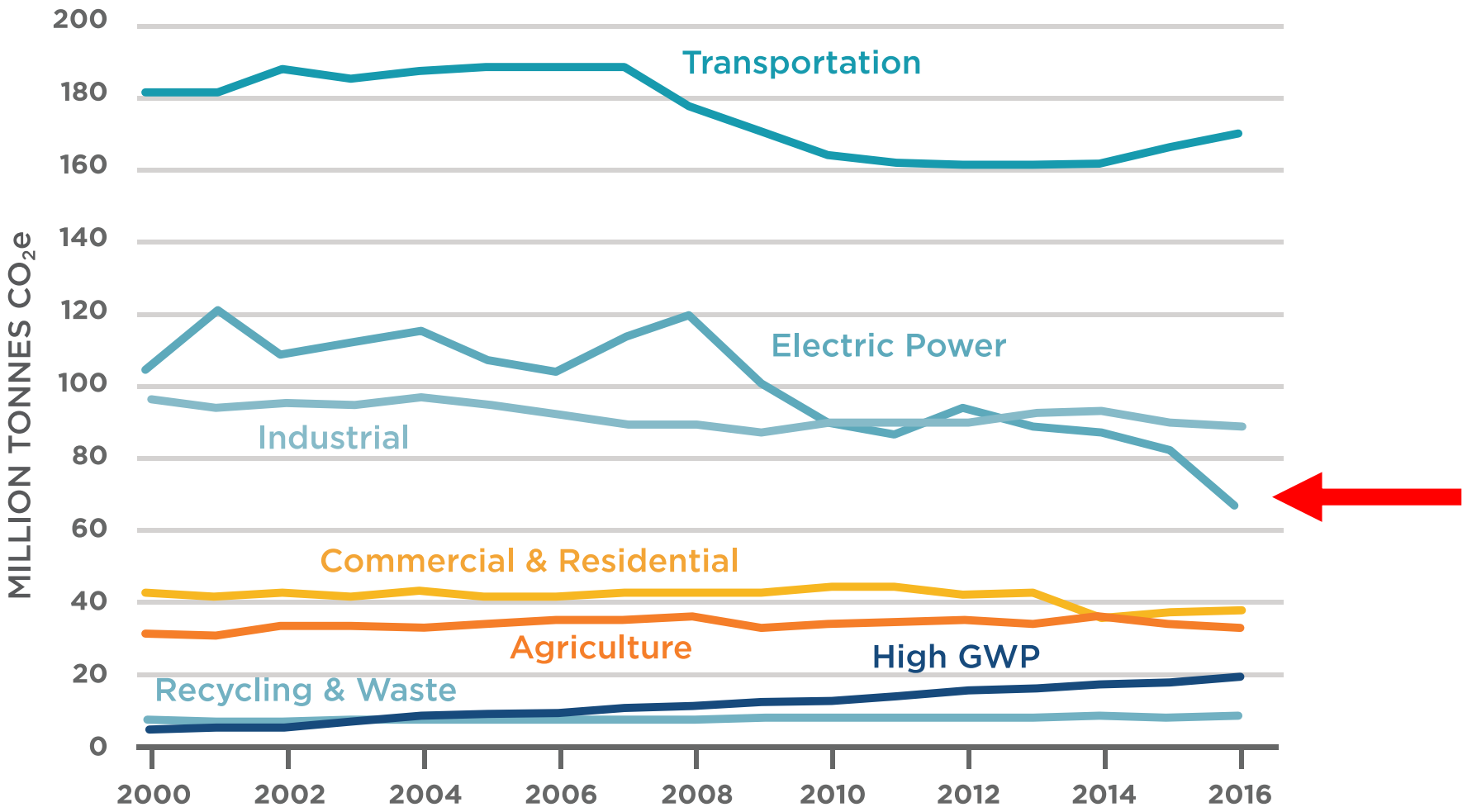
60+ CA Local Governments Actively Exploring Zero-Emissions Reach Codes

Northern California	Southern California
Bay Area • **Alameda County**: Albany, Berkeley, Dublin, Fremont, Hayward, Oakland • **Marin County** • **Santa Clara County**: Campbell, Cupertino, Gilroy, Los Altos, Los Altos Hills, Milpitas, Monte Sereno, Morgan Hill, Mountain View, Palo Alto, San Jose, Sunnyvale • **San Mateo County**: Brisbane, Burlingame, East Palo Alto, Menlo Park, Millbrae, Portola Valley, Redwood City, San Mateo City and County • **San Francisco** • **Sonoma County**: Cloverdale, Petaluma, Santa Rosa, Sebastopol, Sonoma, Windsor, Healdsburg Central Valley • Sacramento, Davis Humboldt: Arcata Mendocino: Fort Bragg, Point Arena, Willits Santa Cruz: City of Santa Cruz	Central Coast • City of San Luis Obispo Santa Barbara • Santa Barbara, Goleta Ventura • Ojai, Thousand Oaks Los Angeles • City and County of LA, Santa Monica, West Hollywood, Malibu San Diego • Carlsbad (adopted!), Chula Vista, Encinitas, Escondido

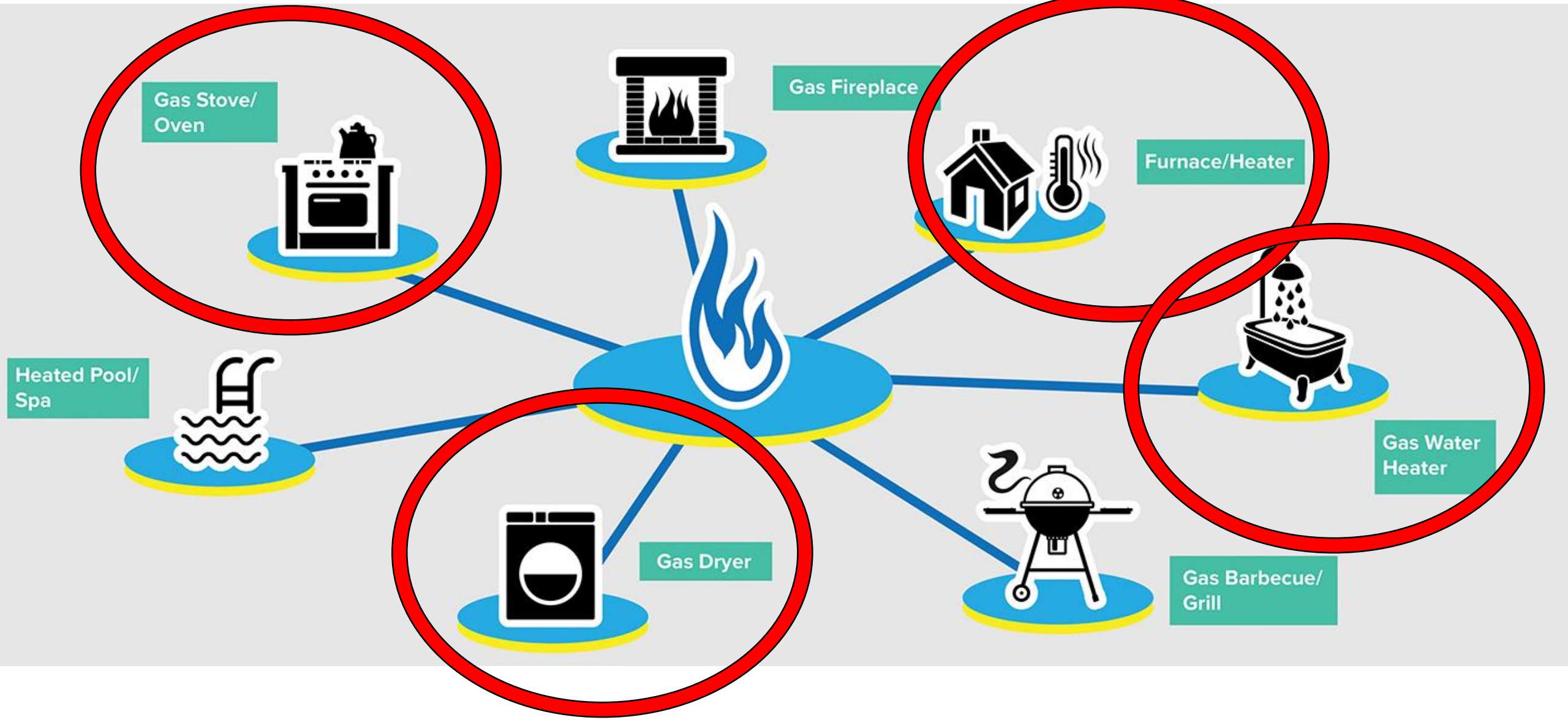
Buildings represent ~25% of California's GHG emissions today

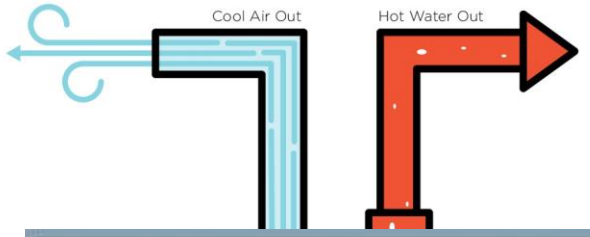


Electricity is getting cleaner, moving toward 100% carbon-free by 2045



Source: CA Air Resources Board, Emission Inventory 2018.
https://www.arb.ca.gov/cc/inventory/pubs/reports/2000_2016/ghg_inventory_trends_00-16.pdf


Gas Stove/
Oven
Gas Fireplace
Furnace/Heater
Heated Pool/
Spa
Gas Water
Heater
Gas Dryer
Gas Barbecue/
Grill



HOW DO HEAT PUMPS WORK?

HOW AN AIR SOURCE HEAT PUMP WORKS

SUMMER

Refrigerant in outside coil releases heat to the air

compressor

Heat from the air is absorbed by refrigerant in indoor coil

WINTER

Heat from the air is absorbed by refrigerant in outdoor coil

compressor

Refrigerant in indoor coil releases heat into house

Air Source VRF Systems

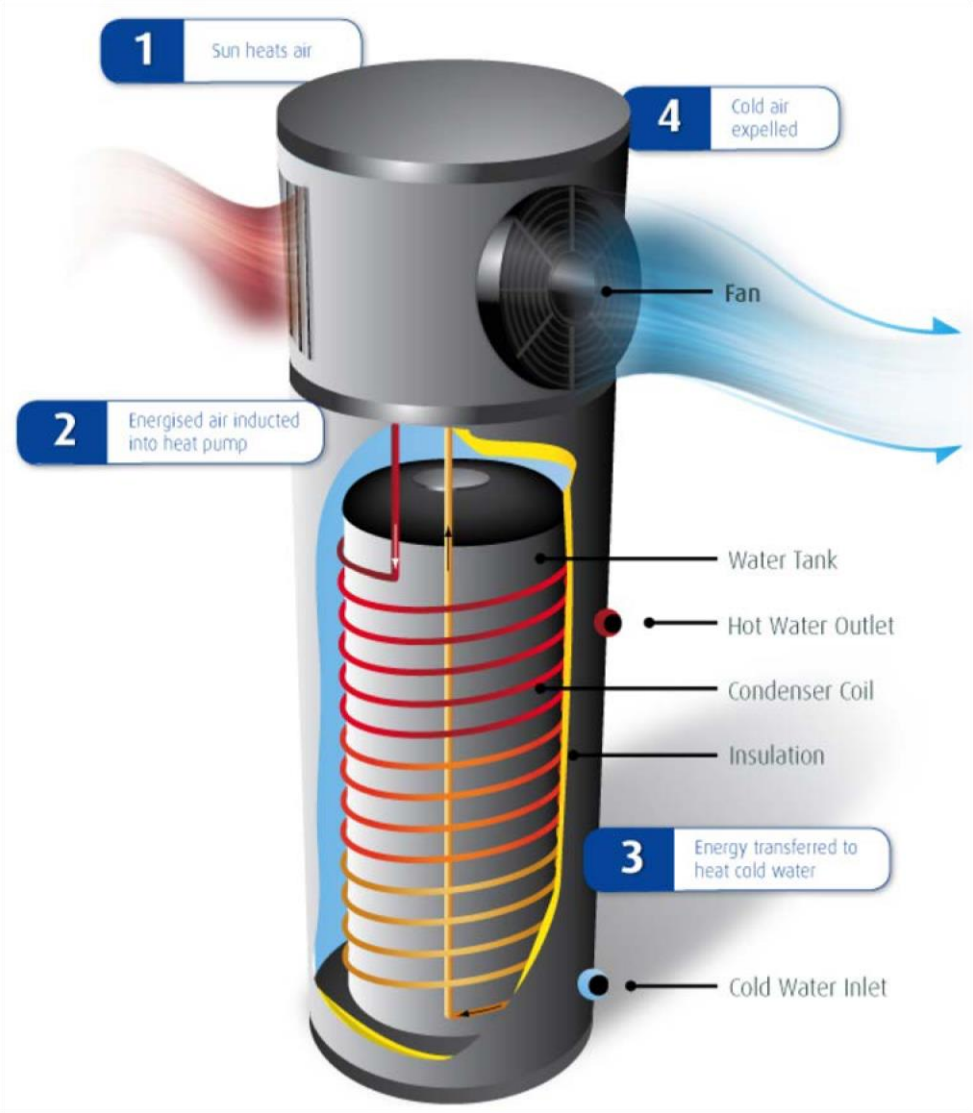
Commercial Application - Air Source Heat Pump

<u>Output</u>:

Hot Water for Space Heating

Domestic Hot Water

Commercial Application - Heat Pump DHW



Electric systems provide heat more efficiently

Natural Gas Boiler

1 therm input

0.8 therms heating

Electric Resistance Heater

1 kWh input

1 kWh heating

Electric Heat Pump

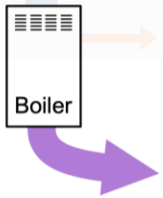
1 kWh input

3-4.5 kWh heating

GAS

253 $lbCO_2$ / MMBtu of heat

$11.80 / MMBtu of heat

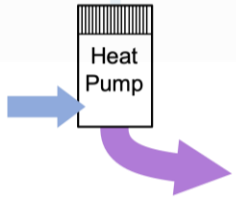


Boiler

Electricity

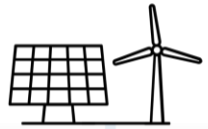
29 $lbCO_2$ / MMBtu of heat

$11.72 / MMBtu of heat



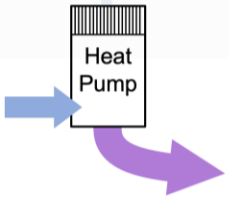
Heat Pump

Renewables



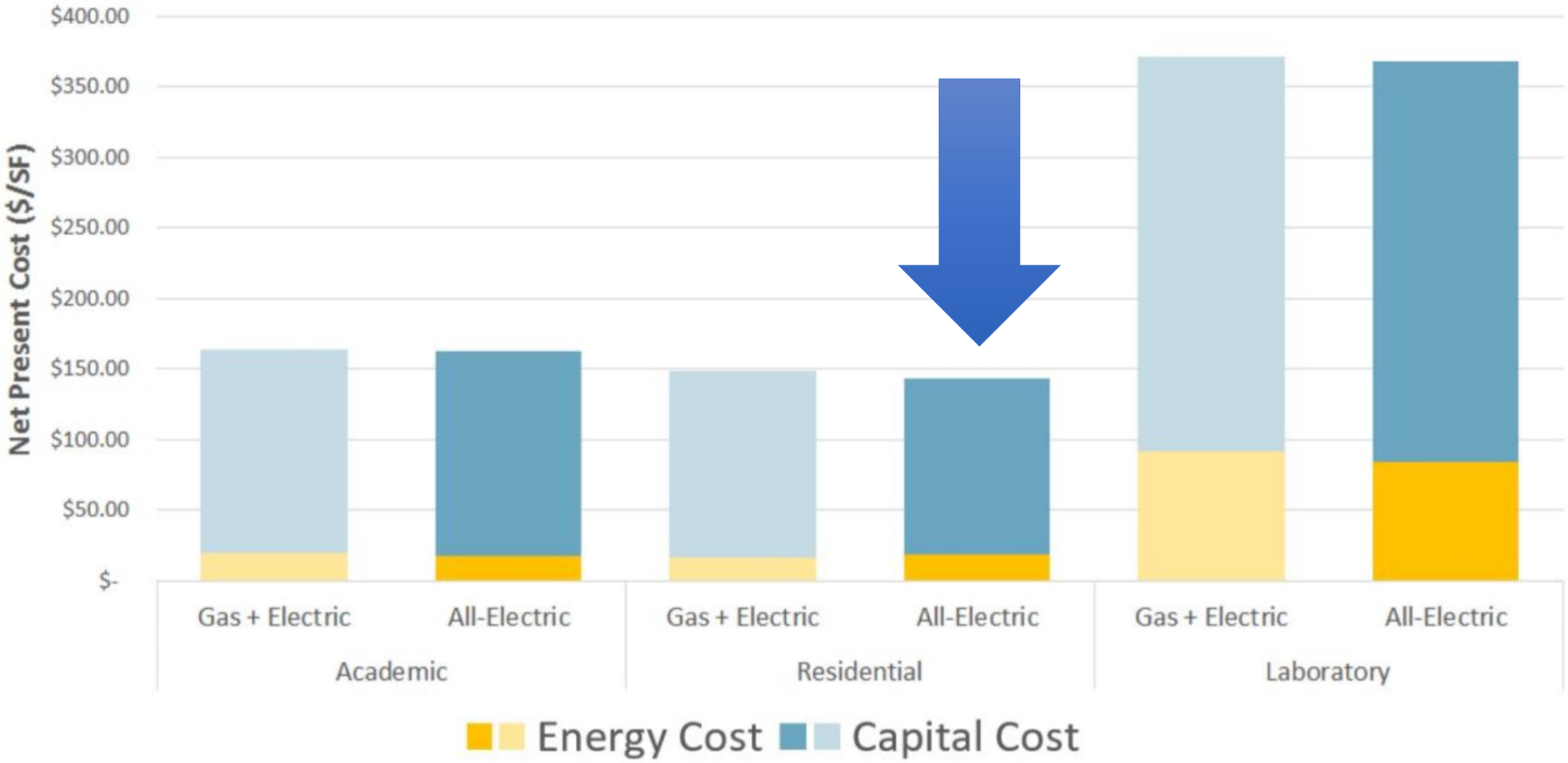
0 $lbCO_2$ / MMBtu of heat

$12.46 / MMBtu of heat



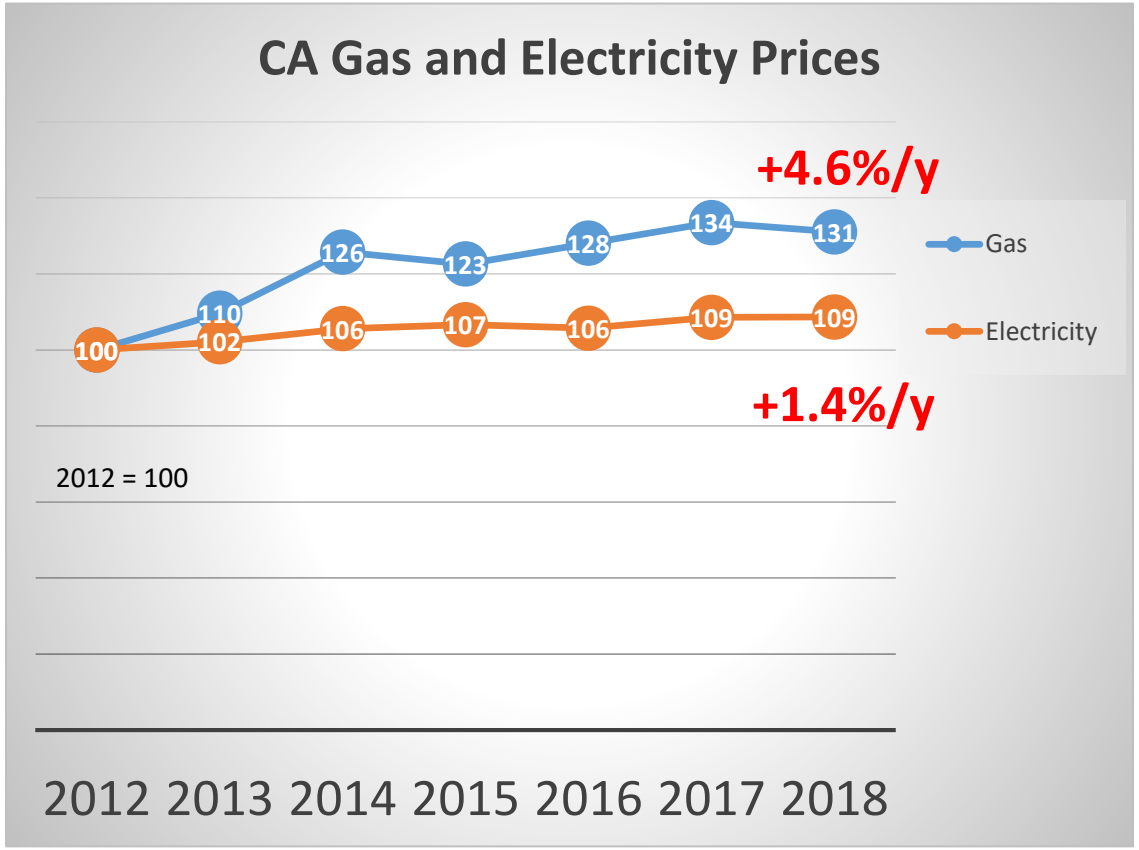
Heat Pump

UC Carbon Neutral Buildings Cost Study



Gas prices are increasing faster than electricity prices

CA gas prices increased 3x faster than electricity prices from 2012 to 2018



Trend expected to continue:

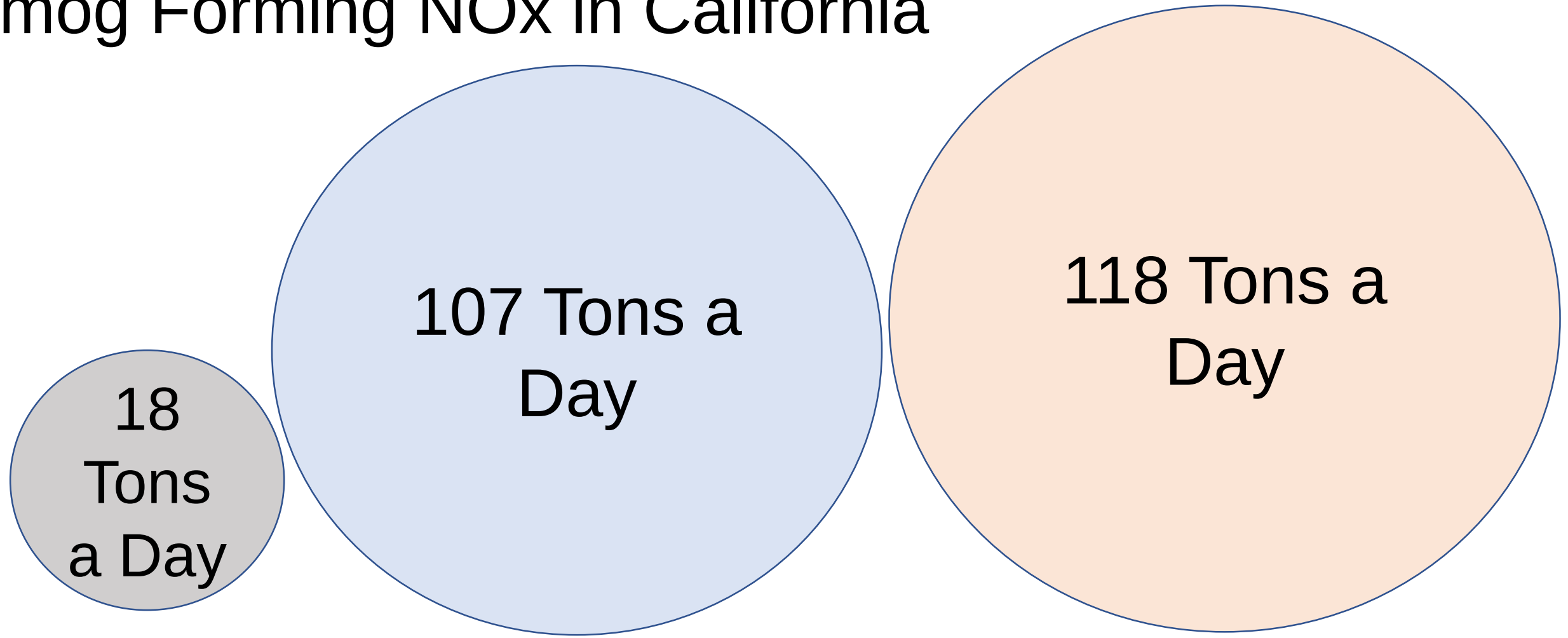
- SoCalGas was approved for **25%** revenue increase 2018-2021 (**8% p.a.**)
- PG&E filed for a **26.6%** increase for gas distribution over 2018 (**6% p.a.**)

In comparison:

- SCE filed for 14% by 2020 over 2018 (**7%/y**)
- PG&E filed for a 24% increase for electric generation and distribution over 2018 (**6%/y**), in part due to costs associated with wildfires

Source: EIA
https://www.eia.gov/dnav/ng/hist/n3010ca3m.htm
https://www.eia.gov/electricity/data/browser/#/topic/7?agg=2,0,1&geo=g&freq=M

Smog Forming NOx in California



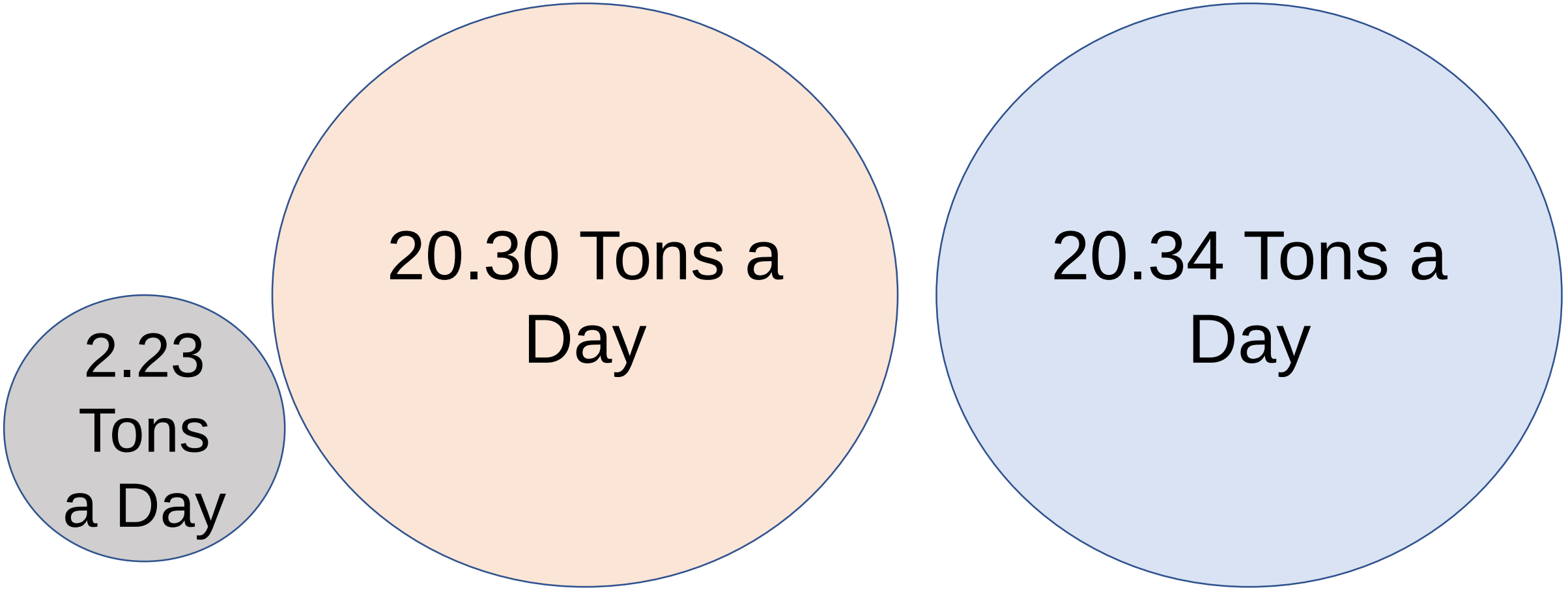
Power Plants

Buildings

Light Duty Vehicles

https://www.arb.ca.gov/ei/emissiondata.htm

NOx in BAAQMD

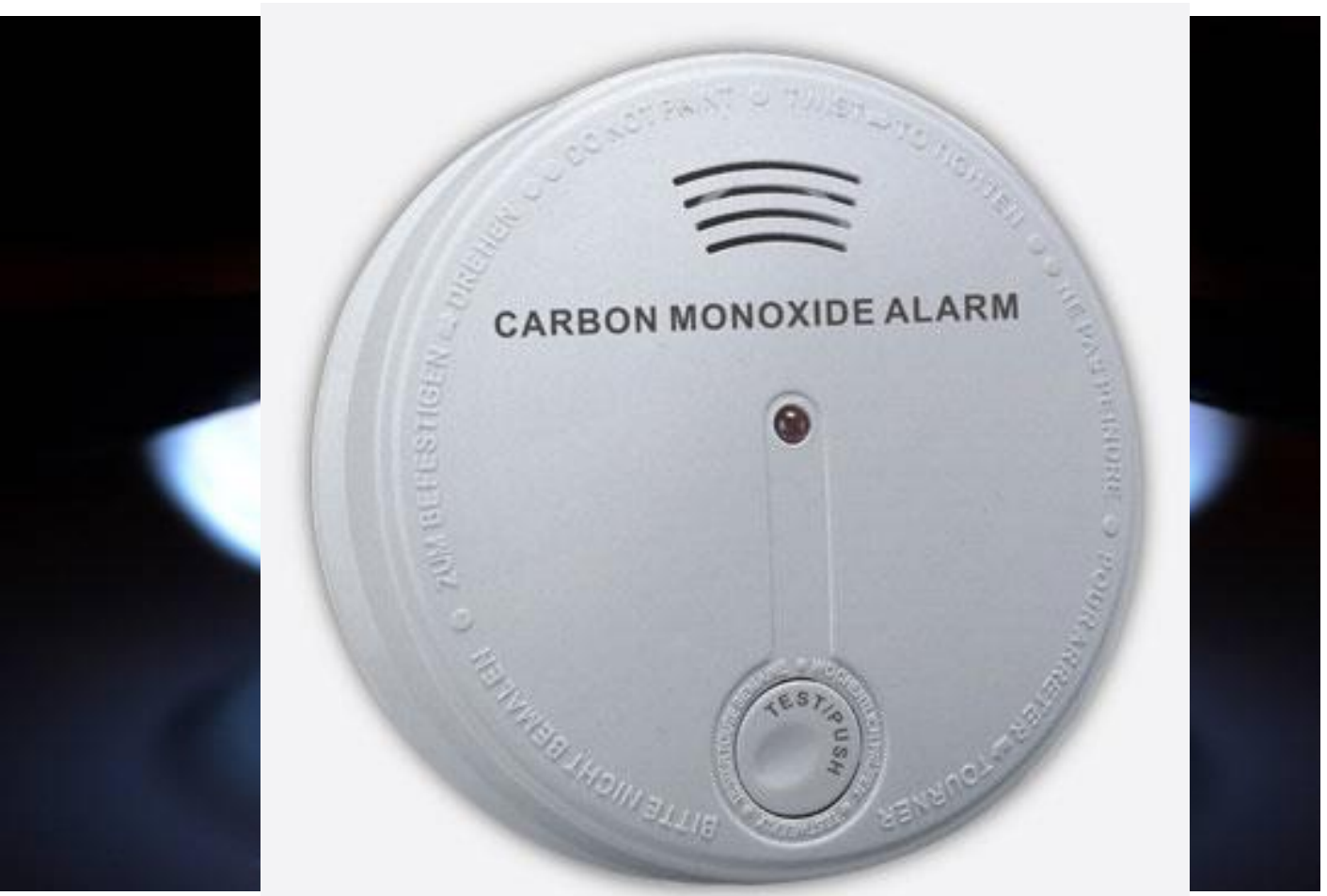


Power Plants

Cars

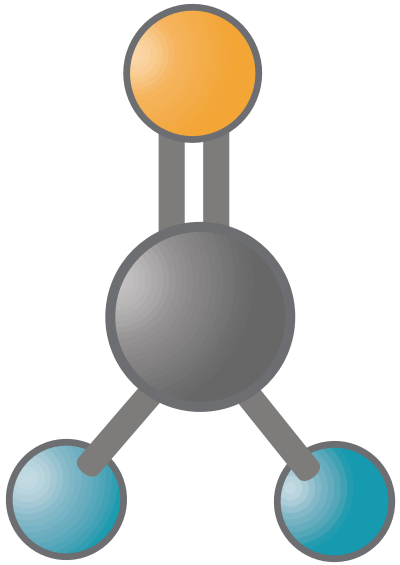
Buildings

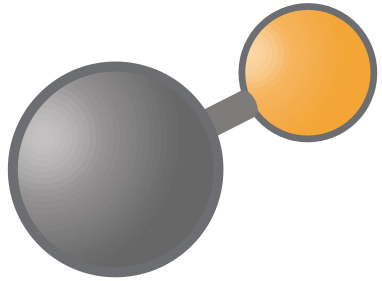
https://www.arb.ca.gov/ei/emissiondata.htm



NITROUS OXIDE

ON_2





CARBON MONOXIDE

CO

FORMALDEHYDE

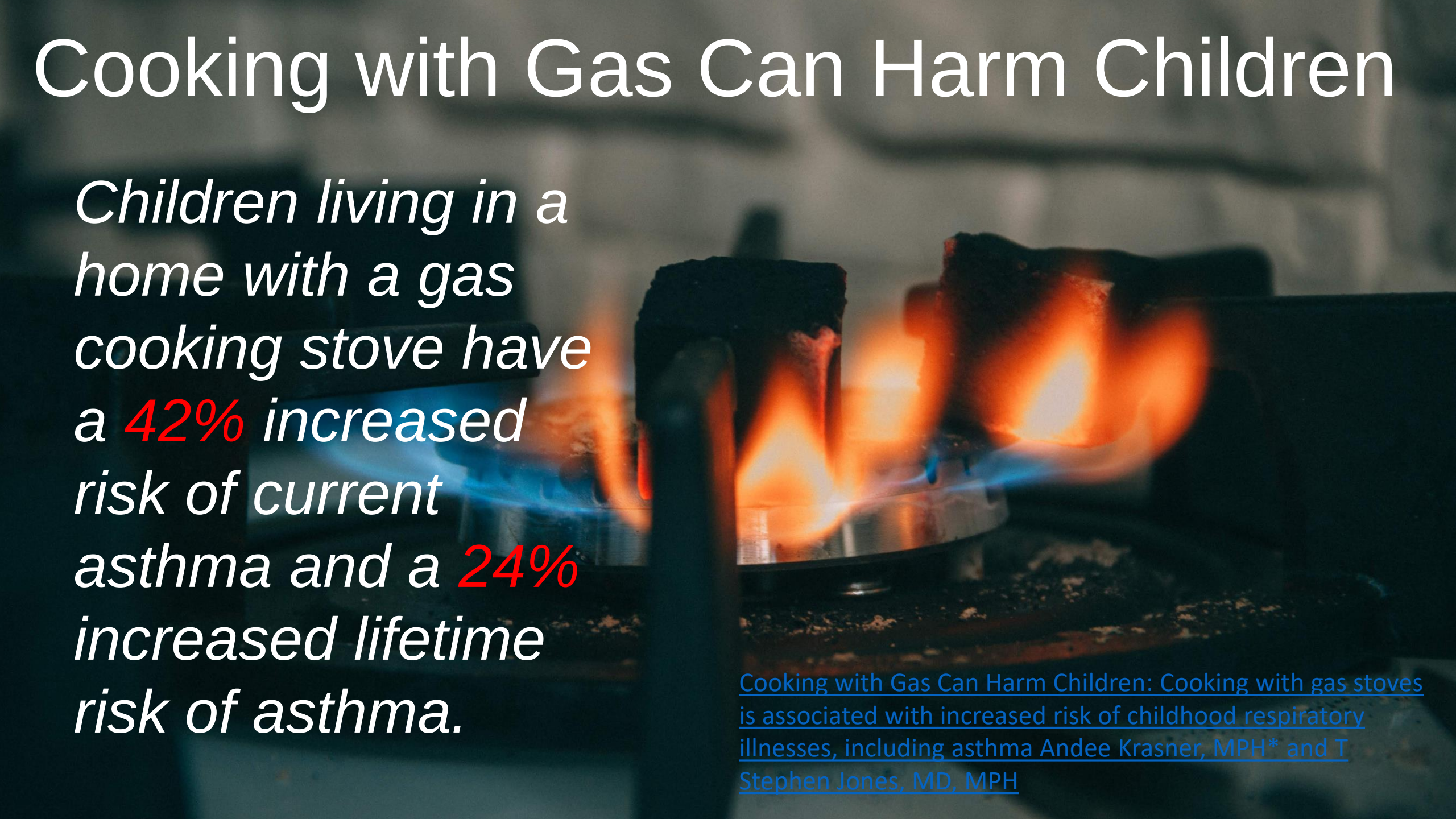
CH_2O

Pollutant Exposures from Natural Gas Cooking Burners: A Simulation-Based Assessment for Southern California

Jennifer M. Logue,[1,2] Neil E. Klepeis,[3,4] Agnes B. Lobscheid,[1] and Brett C. Singer[1,2,] 2014

Cooking with Gas Can Harm Children

Children living in a home with a gas cooking stove have a 42% increased risk of current asthma and a 24% increased lifetime risk of asthma.



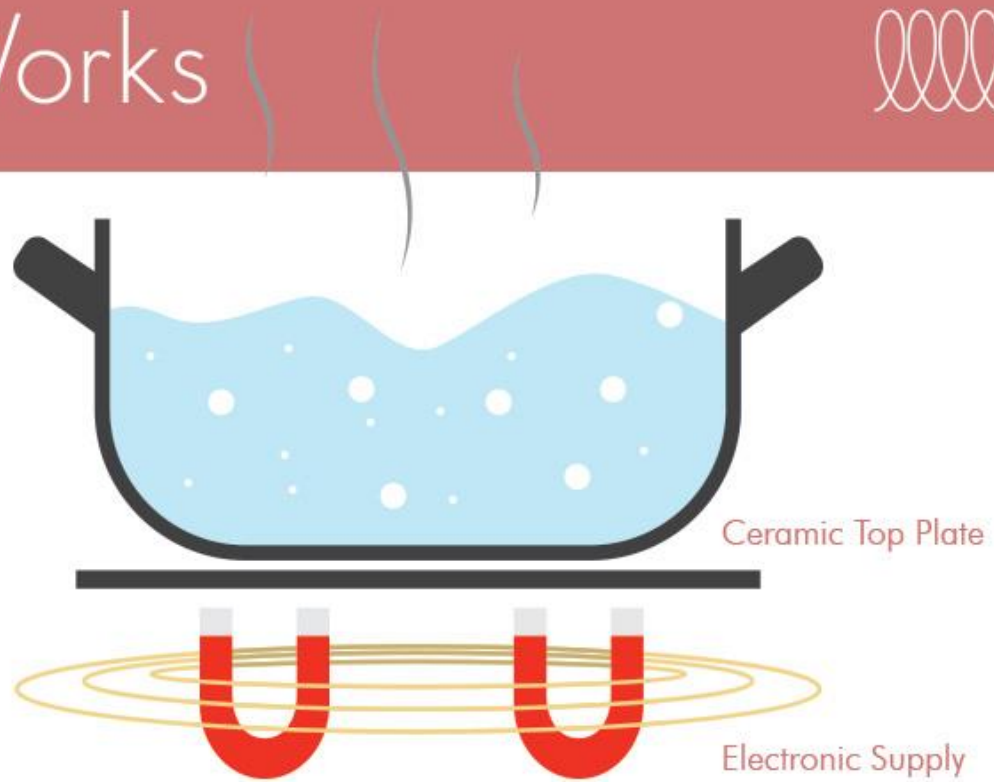
Cooking with Gas Can Harm Children: Cooking with gas stoves is associated with increased risk of childhood respiratory illnesses, including asthma Andee Krasner, MPH* and T Stephen Jones, MD, MPH

How an Induction Cooktop Works

1. Friction from the magnetic field vibrates the molecules of the induction pan, cooking your food

2. Magnetic friction occurs between the range & the induction pan

3. The range generates a high frequency alternating magnetic field



Induction Cooking Increasing Choice of Top Chefs

Frigidaire FGIF3036TF - Electric Induction Cooktop

- Number of Elements: 4
- Cooktop Controls: Digital Button 1-9 (and power boost)
- Oven Type: Convection
- Tested Elements*: 9.4” 3.6 kW; 7.0” 2.8 kW
- Retail Price: $1,199

*Maximum Input Rate (kW) in power boost mode

GE Profile PHS930SL2SS - Electric Induction Cooktop

- Number of Elements: 4+1 warmer
- Cooktop Controls: Digital Touchpad 0-100% (5% Increments)
- Oven Type: Convection
- Tested Elements*: 11.0” 3.7 kW; 8.0” 2.5 kW
- Retail Price: $2,399

*Maximum Input Rate (kW)

Samsung NE58K9560WS - Electric Induction Cooktop

- Number of Elements: 4
- Cooktop Controls: Digital Rotary (Analogue Look)
- Oven Type: Dual-Fan Convection
- Tested Elements*: 11.0” 3.3 kW; 7.0” 1.8 kW
- Retail Price: $2,199

*Maximum Input Rate (kW) in power boost mode

Whirlpool WFE515S0ES1 - Electric Resistance Glass-Ceramic Top

- Number of Elements: 4
- Cooktop Controls: Rotary Dial 1-9
- Oven Type: Standard Non-Convection
- Tested Elements: 9.0” 2.5 kW; 6.0” 1.2 kW
- Retail Price: $579

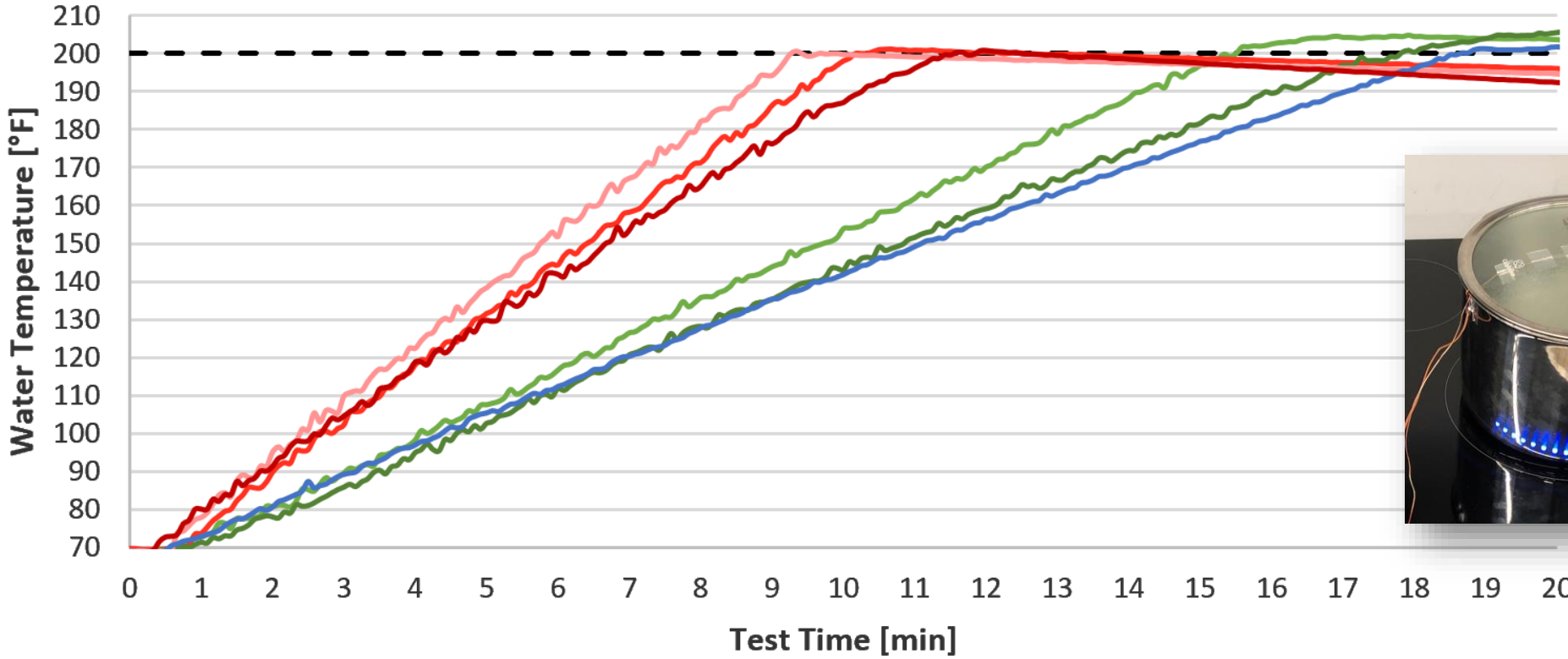
Frigidaire FFEF3016USB - Electric Resistance Coil

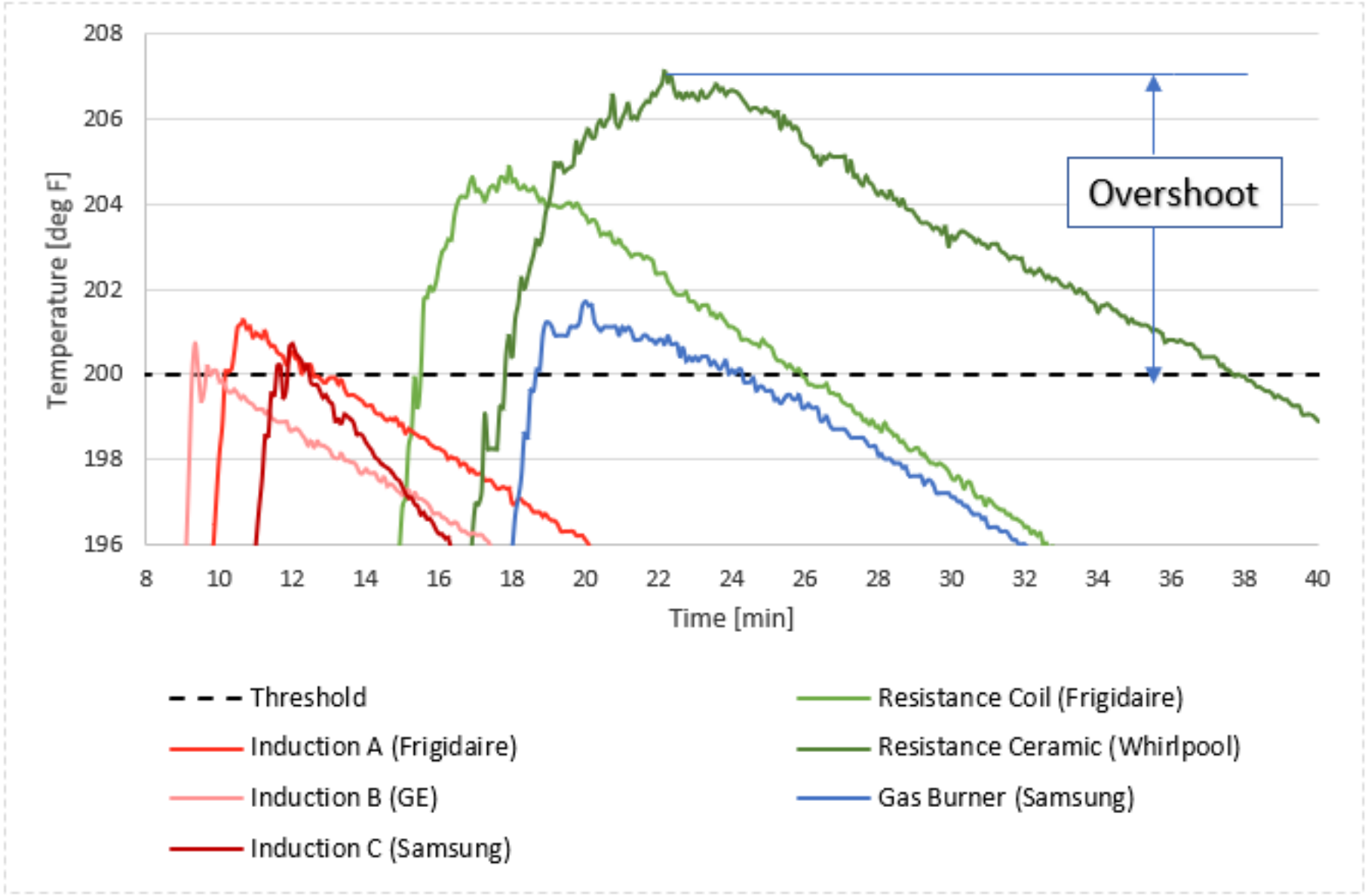
- Number of Elements: 4
- Cooktop Controls: Rotary Dial 1-9
- Oven Type: Standard Non-Convection
- Tested Elements: 8.0” 2.4 kW; 6.0” 1.5 kW
- Retail Price: $579

Samsung NX58H5600SS – Gas Burner Range

- Number of Burners: 5
- Cooktop Controls: Analog rotary dials
- Oven Type: Convection
- Tested Burners: 3.8” 17 kBtu/h; 2.9” 9.5 kBtu
- Retail Price: $799

Water Heat-Up Rate*





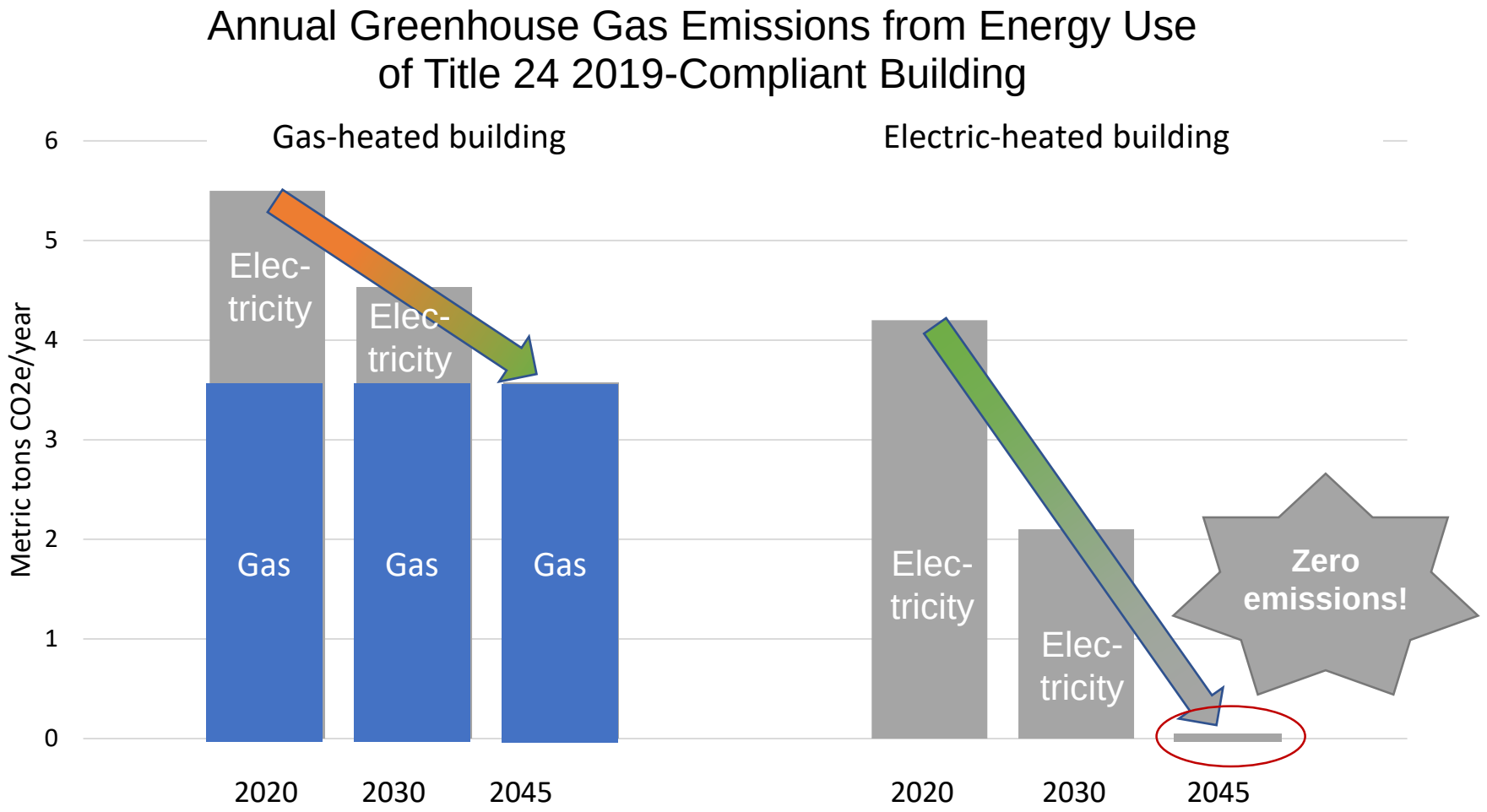
*calculated based on a single high-input element or burner heating 12 lb of water from 70 to 200F in an 8 qt pot

Figure 10: Temperature Overshoot Results for 12-lb of Water

Benefits of Induction:

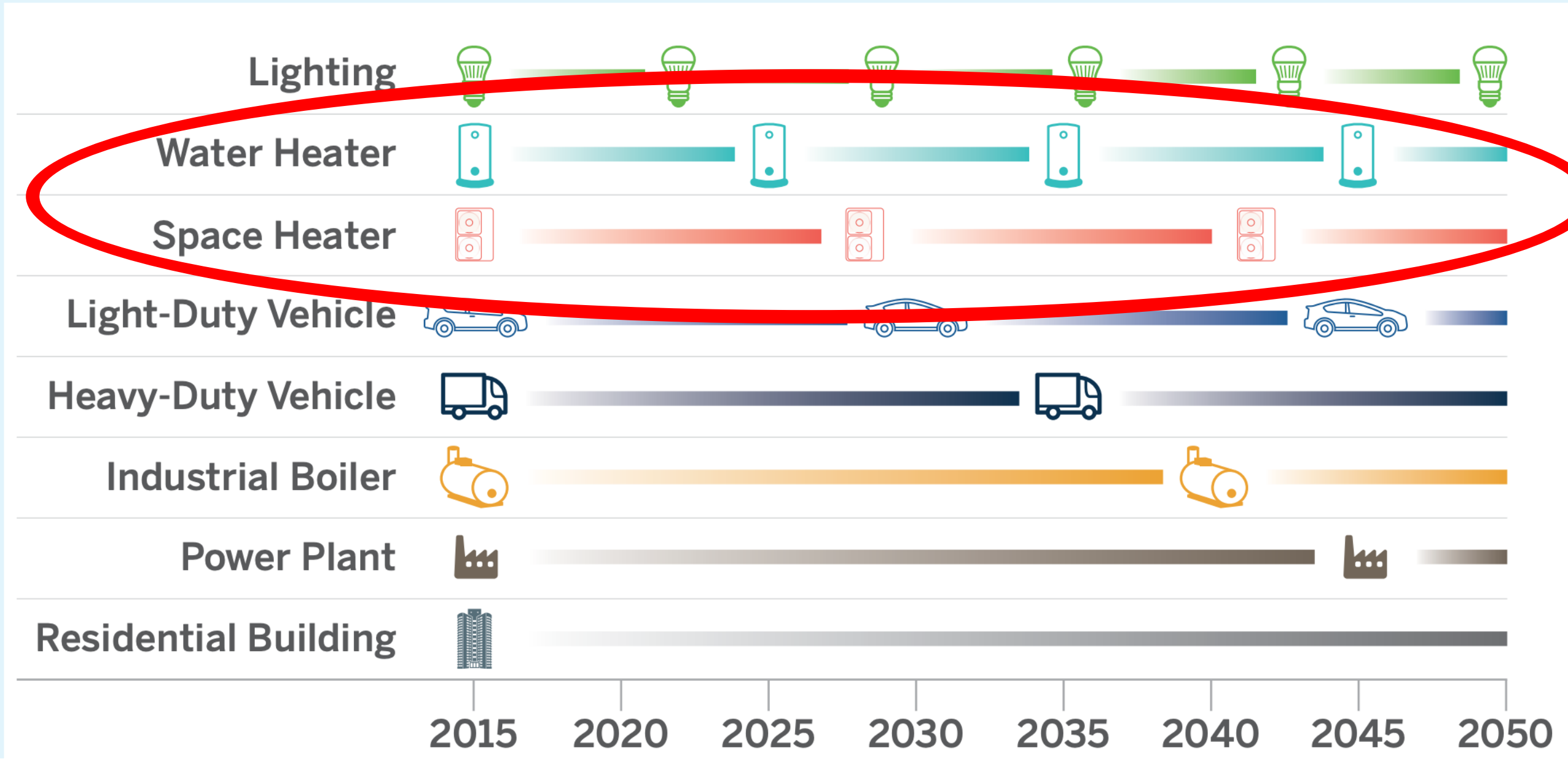
Fast
Flexible
Modular
Efficient
Controllable
Safer
Easier to Clean
Less Heat Released to the Kitchen

Electric Heat Offers Pathway To Zero Emissions



NRDC analysis, climate zone 13 (Fresno)
with rooftop solar. Including methane leakage

Stock Turnover



Electric Buildings are …

Cheaper
More Equitable
Healthier
More Climate Friendly
Safer

CPUC Decarbonization Plans

1. All Electric Rates
2. Programs:
   - Incentives (eg Rebates)
   - Financing (eg Loans for all-electric customers)
   - Emerging Technology
3. Market Transformation

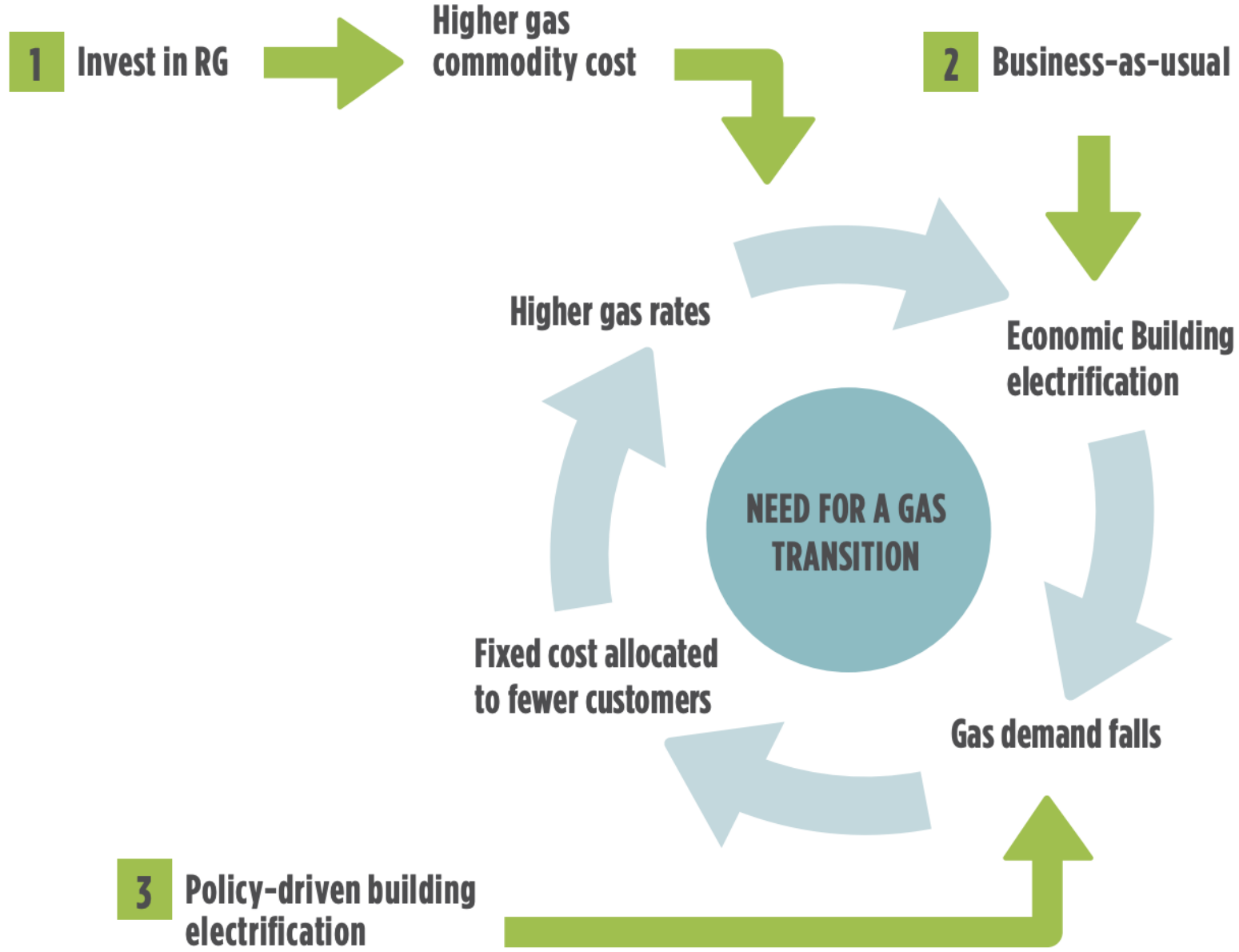
Overall: Focus goals on GHG emission rather than energy reduction.

PG&E and CCA Programs

Rising Gas Costs Lead to Downward Spiral of Gas System

FIGURE 2. *Spiraling From Increasing Gas Rates to Economic Electrification.*

Source: E3



Takeaways

- Public policy and rising gas costs are driving building electrification
  - First local governments
  - Then State
- By end of 2020 much of the Bay Area and Silicon Valley will have adopted building electrification policies
  - 40% of Californians will live in a jurisdiction that has adopted
- This will lead to increasing gas rates as ratepayers leave the system
- This will make electrification more affordable and more ratepayers will leave
- This will further raise rates

Where is your portfolio in this cycle?

Join us!

Buildingdecarb.org/join

Get To Know Your Peers

Lunch is Served…

Presentations Resume @ 12:40

Asim Tahir

District and Renewable Energy Lead

Google

SILICON VALLEY CLEAN ENERGY

Watt Do You Think?

Interactive polling provided through your smartphone!

Please navigate to:

www.zeetings.com/SVCE

SAN JOSÉ CLEAN ENERGY

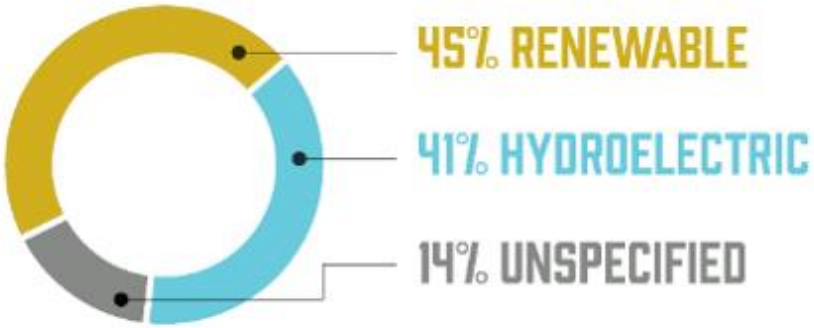
Watts For Lunch

SAN JOSE CLEAN ENERGY

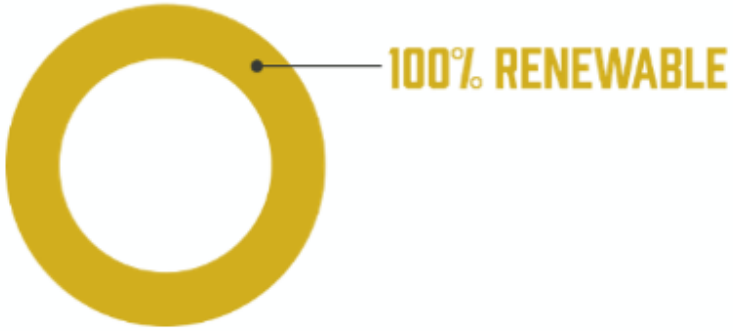
A Program of the City of San José

SJCE CELEBRATING ONE YEAR OF SERVICE

GreenSource



TotalGreen



SERVING

332,500

CUSTOMERS

SAVING OUR COMMUNITY

$3 MILLION

EACH YEAR

YOUR ENERGY CHOICES

GREENSOURCE

86% CARBON-FREE

45% RENEWABLE

TOTALGREEN

1,250+ CUSTOMERS

100% CARBON-FREE

100% RENEWABLE

OUR IMPACT

OUR CLEANER POWER HAS REDUCED SAN JOSE GREENHOUSE GAS EMISSIONS BY **18%**

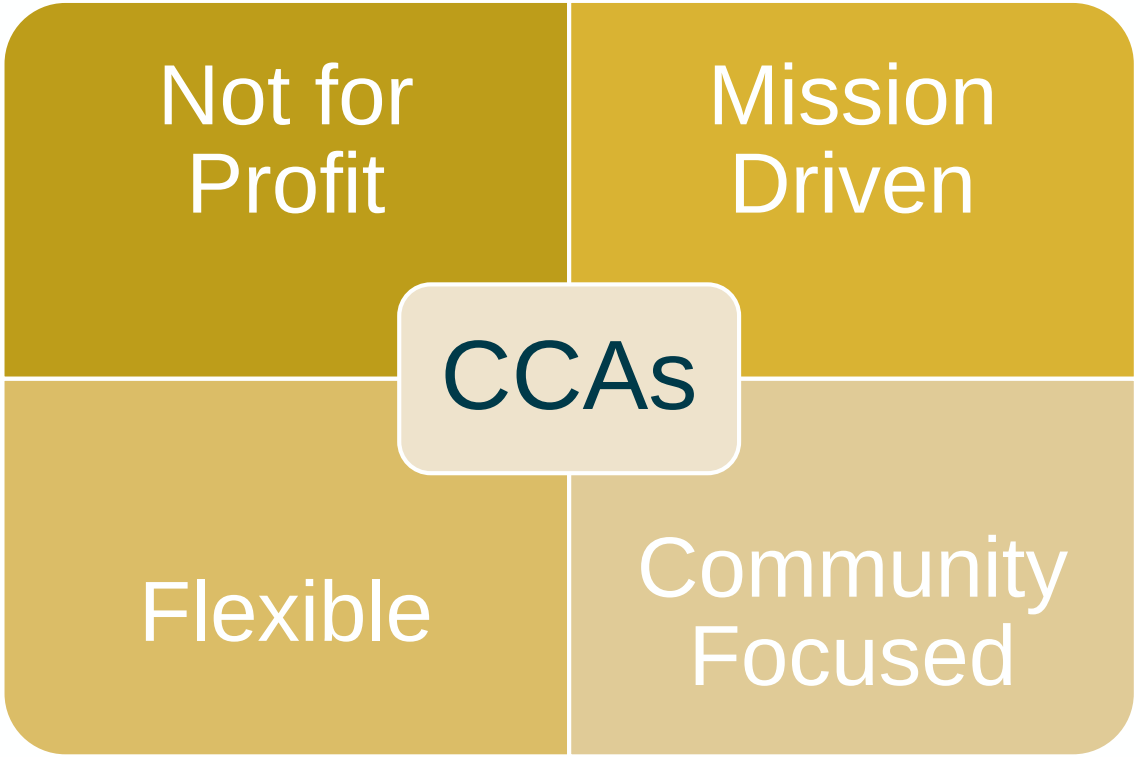
WE'RE PARTNERING WITH THE CALIFORNIA ENERGY COMMISSION TO ADD **1,500** NEW PUBLIC ELECTRIC VEHICLE CHARGING STATIONS BY 2024

SAN JOSE CLEAN ENERGY

CCA UNIQUE ADVANTAGE

- Can offer lower costs for extended term
- No profit requirement

- Rates not regulated by CPUC
- Significant long-term renewable procurement
- Can innovate on new structures and technologies



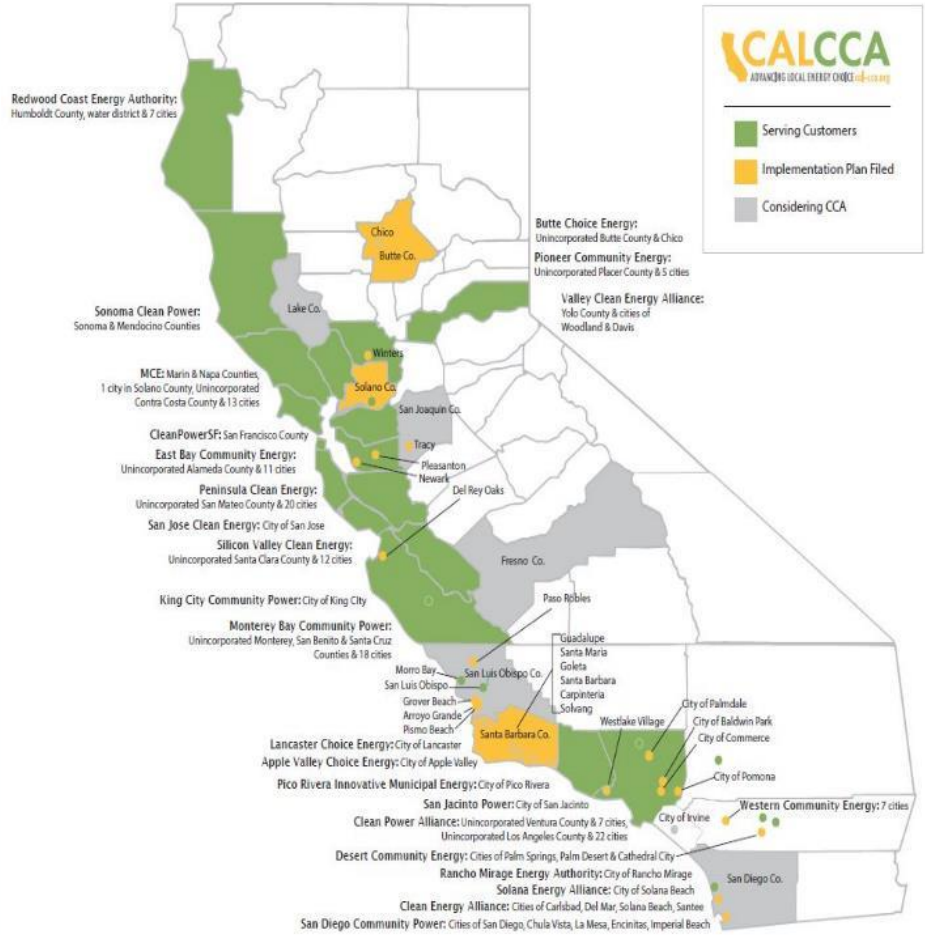
- Motivated to reach 100% renewable energy and reduce emissions

- Economic development and community benefit goals

SAN JOSE CLEAN ENERGY

NEW TARIFF DEVELOPMENTS

- By end of 2020, SJCE plans to develop a Green Tariff offering that will work across CA CCA territories
- SJCE will work with partners as part of the American Climate Cities Challenge



WORLD RESOURCES INSTITUTE

REBA
Renewable Energy Buyers Alliance

ROCKY MOUNTAIN INSTITUTE

SAN JOSE CLEAN ENERGY

CALEVIP- EV CHARGING INFRASTRUCTURE

- $14 million in rebates available starting May/June 2020
  - Public, multi-family housing & workplace locations in San Jose
  - ~1,400 new Level 2 ports
  - ~100 new Direct Current Fast Charging ports
- Leveraged $10M from California Energy Commission
- 25% of rebates to go to sites in Disadvantaged and Low-Income Communities

CALIFORNIA ENERGY COMMISSION

Center for Sustainable Energy®

SILICON VALLEY CLEAN ENERGY

PENINSULA CLEAN ENERGY

SAN JOSE CLEAN ENERGY

SILICON VALLEY POWER CITY OF SANTA CLARA

CITY OF PALO ALTO UTILITIES

SAN JOSE CLEAN ENERGY

PROGRAM GUIDING PRINCIPLES

1. Maximize greenhouse gas reduction opportunities
2. Align with Climate Smart San José
3. Promote equity, affordability and support disadvantaged communities
4. Produce community benefits
5. Maintain or improve the financial stability of SJCE

SAN JOSE CLEAN ENERGY

PROGRAM AREAS

- Vehicle Electrification
- Building Electrification
- Distributed Energy Resources
- Energy Efficiency
- Program Specific Rates
- Resiliency

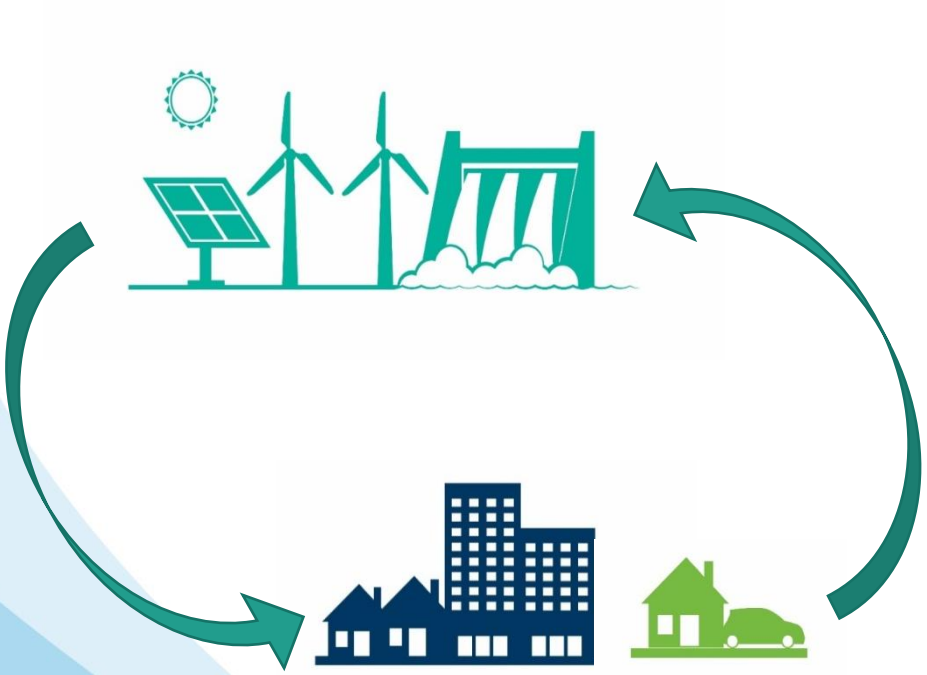
SAN JOSE CLEAN ENERGY

Don Bray

Director of Account Services and Community Relations

SVCE Update

Vision for 2030 & Beyond



- High penetrations of affordable renewable energy plus firm low-carbon resources
- All-electric buildings & vehicles
- Unprecedented demand flexibility via connected and controllable loads
- Rapid deployment of storage – behind-the-meter, utility-scale, stand-alone and with solar
- Emergence of distribution system-level markets and dynamic pricing programs

Community Accomplishments - 2019

2.3 Billion Pounds

Carbon emissions avoided by providing clean energy

$21.5 Million

On-bill savings for SVCE customers

4 Million MWh

Carbon-free energy delivered

19.8%

Community-wide emissions reductions from 2015 baseline

$775,000

Payments to solar customers for surplus generation

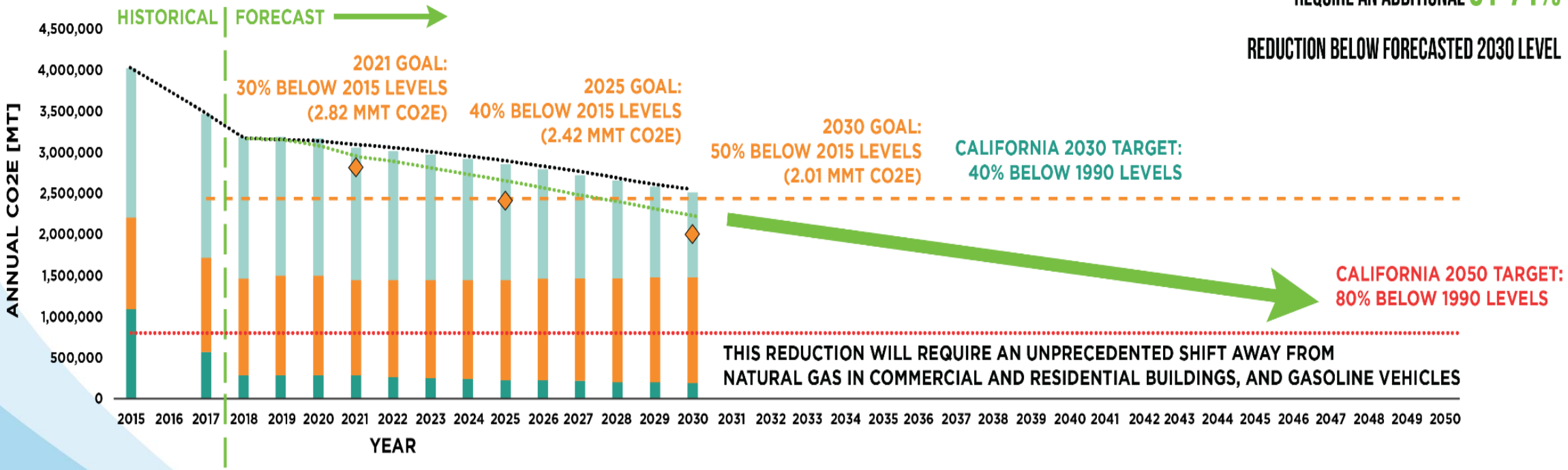
$8+ Million

Committed investment in local electrification programs

Results Oct 2018 – Sept 2019

Emissions Progress & Goals

ACHIEVING CA'S 2050 GHG GOAL WILL REQUIRE AN ADDITIONAL 61-74% REDUCTION BELOW FORECASTED 2030 LEVEL



ELECTRICITY (SVCE, PG&E, DIRECT ACCESS)

NATURAL GAS

TRANSPORTATION

CA 2030 GOAL

CA 2050 GOAL

GHG: WITH PROGRAMS

SVCE GHG GOAL

GHG: BUSINESS-AS-USUAL

SVCE Energy Supply

2018 Power Content Label	Net Purchases (MWh)	Percent of Total Retail Sales (MWh)
Specific Purchases		
Renewable	1,939,985	54%
Biomass & Biowaste	38,676	1%
Geothermal	270,127	8%
Eligible Hydroelectric	100,286	3%
Solar	410,503	12%
Wind	1,120,393	31%
Coal		0%
Large Hydroelectric	2,051,000	46%
Natural Gas		0%
Nuclear		0%
Other		0%
Total Specific Purchases	**3,990,985**	**100%**
Unspecified Power (MWh)		**0%**
Total	**3,990,985**	**100%**
Total Retail Sales (MWh)	**3,561,280**	

Projects In Development

Solar + Storage Projects

Recurrent Energy "RE Slate," Kings County, CA
82.5 MW / 99 MWh

EDF "Big Beau Solar," Kern County, CA
70 MW / 88 MWh

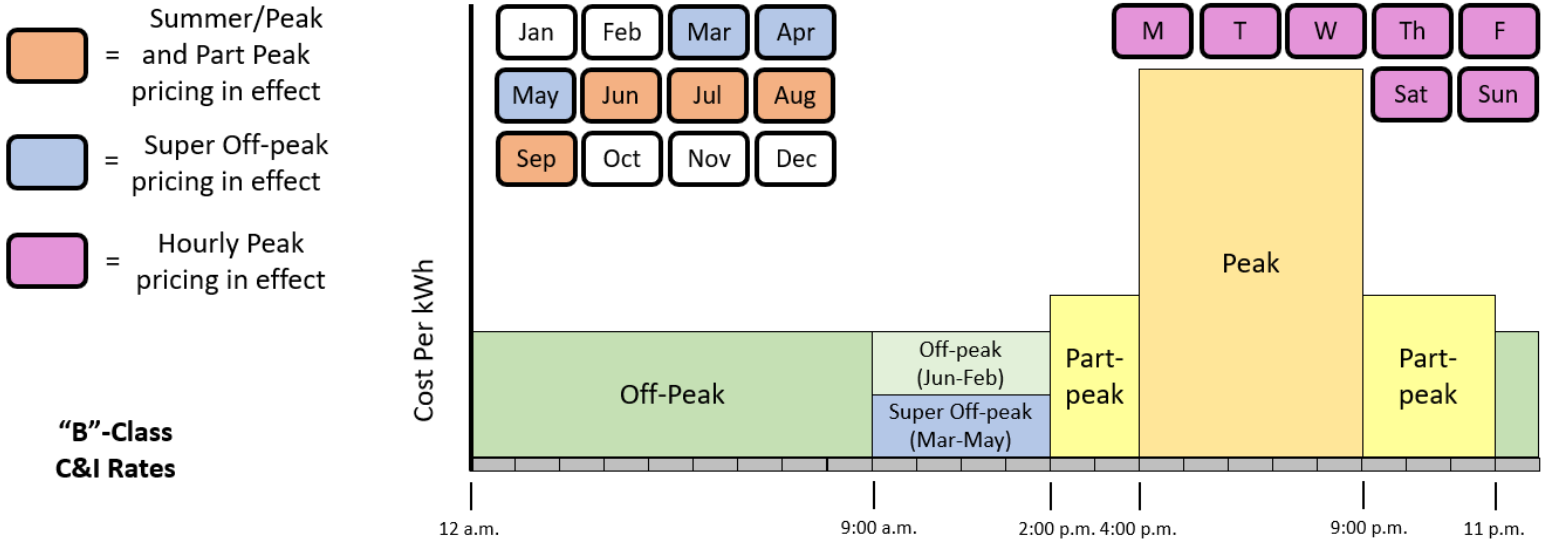
Geothermal Projects

ORNI 50, LLC "Ormat" Binary Geothermal, Mono County, CA
7 MW

C&I Transition to "B" Rates

- Now voluntary, soon mandatory . . .
- A1, A6, A10, E19, E20, and Standby rates sunsetting, replaced by "B" rate equivalent
- Peak pricing hours shifting from Noon to 6 PM to 4 PM to 9 PM, 7 days a week
- Summer season shortened to four months

New TOU (B)



Carbon-Free Electricity Choices

GreenStart

Default option – carbon free and lower cost than PG&E

- 50% wind + solar, 50% hydropower

GreenPrime

Voluntary option - $0.008/kWh premium to GreenStart

- 100% renewable wind + solar, Green-e Certified

GreenPrime Direct (new)

Voluntary option – available to large customers

- 100% renewable PPA ‘sleeve’; volume & term-based commitment

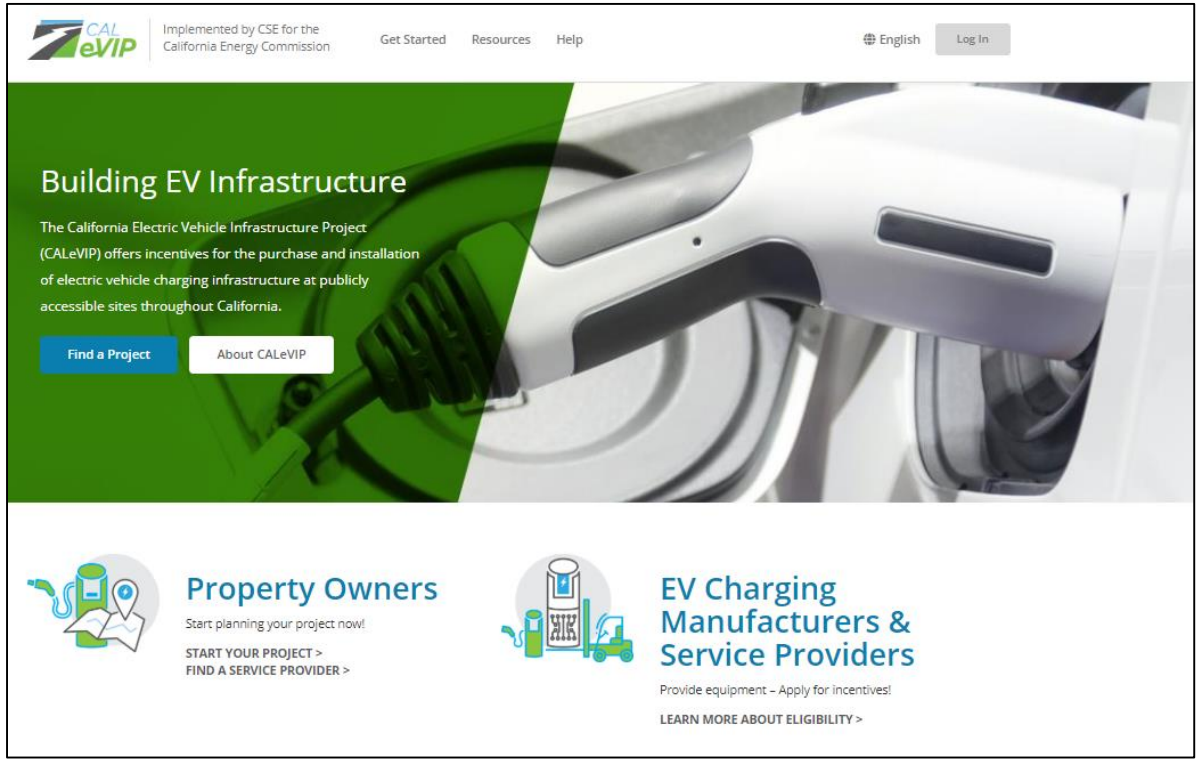
Eco-Investment Discount Program

- Opportunity to apply percentage of SVCE generation bill amount toward decarbonization, electrification, or demand flexibility projects at local facilities

	Illustrative – for discussion purposes only*		
Commitment Term	3 Years (e.g. 2020-2022)	5 Years (2020-2024)	7 Years (2020-2026)
Co-Investment Percentage*	4%	7%	10%
Representative Co-Investment Amount (full term)*	$150,000	$500,000	$900,000

CALeVIP Overview

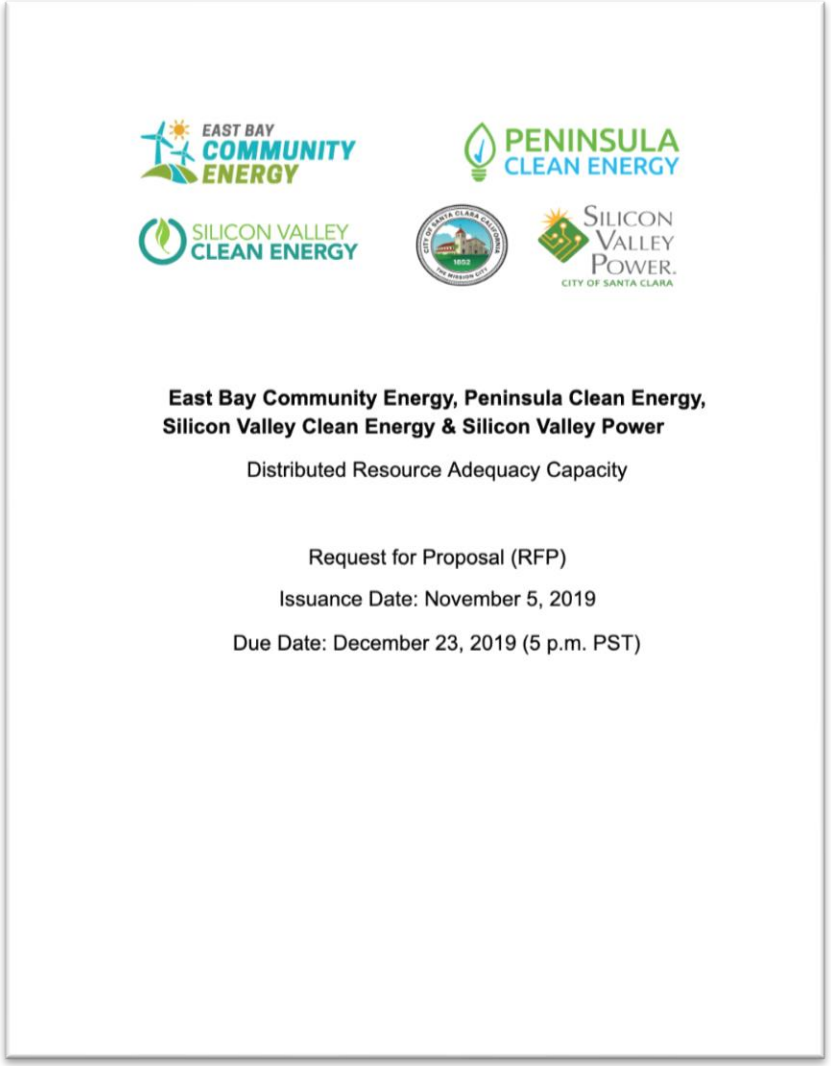
- $12M from CEC and SVCE, in SVCE territory
- CALeVIP broadly targets public DCFC and public/private L2
- Additional $2M from SVCE for Fleet, DCFC near MFH, and MFH/SMB tech assistance
- Likely late-spring launch
- CALeVIP incentives are first-come, first-served – so be ready!



SILICON VALLEY CLEAN ENERGY

Supporting Community Resilience

- Four public agencies jointly released RFP for 30+MW of battery storage at homes and businesses, to support community resilience
- Batteries will form a "virtual power plant" to provide grid services to SVCE when not in use for back-up power
- Currently evaluating 19 proposals
- Final program details Spring 2020
- **Program scheduled to launch in summer 2020**


East Bay Community Energy, Peninsula Clean Energy, Silicon Valley Clean Energy & Silicon Valley Power

Distributed Resource Adequacy Capacity

Request for Proposal (RFP)

Issuance Date: November 5, 2019

Due Date: December 23, 2019 (5 p.m. PST)

Thank You!!!

SILICON VALLEY CLEAN ENERGY

SVCleanEnergy.org

844-474-SVCE (7823)

General Info:
info@svcleanenergy.org

SAN JOSE CLEAN ENERGY

SanJoseCleanEnergy.org

833-432-2454

General Info:
info@sanjosecleanenergy.org