

# RICAPS Monthly Meeting

January 28, 2025



# Agenda

**1:30-1:35** - Welcome & Agenda Review

**1:35-1:40** - Announcements

**1:40-1:50** - Implementation Groups!

**1:50-2:05** - Round Robin Updates

**2:05-2:10** - Advisory Group 2025

**2:10-2:25** - Peninsula Clean Energy: EV  
Charging Outreach

**2:25-2:45** - Peninsula Clean Energy: Building  
Electrification

**2:45-2:55** - RICAPS Tool and Resource  
Review



# Announcements



# Metropolitan Transportation Commission (MTC) Grant Wrap-up



- Four coordinated proposals submitted for San Carlos, East Palo Alto, Portola Valley, and Half Moon Bay.
- Though separate proposals, intention is to implement collectively through group RFP processes and coordinated project management.
- PCE providing bulk of required match in the form of incentives.
- Huge thank you to all jurisdiction, County, and agency staff for their support!



# Office of Sustainability Carbon Farm Survey



- Current study with Rincon about possible land management strategies that could be implemented in County Parks to increase the carbon sequestration potential
- Seeking partners involved in open space management to take questionnaire in the next few days to better understand which co-benefits from carbon sequestration are the highest priority
- County to host a virtual follow up workshop in March for those interested to discuss findings and determine next steps
- Survey description and link to follow in RICAPS announcement



# GHG Inventories

...

- Sent out 7/21 – all have been drafted and are passing through Rincon review.
- **Please do not share your full workbooks externally!**
  - Some PG&E activity data (ie electricity and natural gas) is PRIVATE information.
  - You CAN share out summaries that exclude activity data from PG&E, as well as emissions data from all sectors (including from PG&E).
  - Reach out to Rincon discuss if needed!



# Bay Area Regional Climate Action Plan- 2/11 Public Workshop & Survey!



- **Public Workshop- Preliminary Strategies for Regional Climate Action**
  - **Tuesday, Feb 11 | 5:30–7 PM**
  - **Register:** <https://tinyurl.com/BARCAPworkshop2>
  - Interpretation available in: Spanish, Chinese, Vietnamese by request (Feb 5)
- **Take our public survey & help us get the word out**
  - Open through February - 5-10 minutes to complete, \$50 giftcard raffle
  - **Survey Link:**  
[https://www.surveymonkey.com/r/BARCAP\\_Survey](https://www.surveymonkey.com/r/BARCAP_Survey)



# Implementation Groups

Avana Andrade  
Office of Sustainability





# Implementation Groups



- Create more space for project- and implementation-focused work
- Three focus areas from December meeting:
  - EV Infrastructure
  - Modeshift
  - Building Electrification



# Implementation Groups



## EV Infrastructure

- Anna Yip: Facilitator
- Melanie Jasper: Agency staff support (PCE)
- Christabel Soria-Mendoza: Atherton
- Hayley Martinez: San Mateo County
- Becky Hoag: EPA
- Quinne Wooley: San Carlos
- Andrea Pappajohn: Millbrae
- Andrea Chow: San Mateo

## Modeshift

- Avana Andrade: Facilitator
- Sue-Ellen Atkinson: Agency staff support (SamTrans)
- Bo Baney: Agency staff support (SamTrans)
- Kim Springer: C/CAG
- Matt Nichols: Half Moon Bay
- Adrienne Etherton: Brisbane
- Sigalle Michael: Burlingame
- Andrea Pappajohn: Millbrae

## Building Electrification

- Ryan Gardner: Facilitator
- Blake/Alejandra (unconfirmed): Agency staff support (PCE)
- Adrienne Etherton: Brisbane
- Hayley Martinez: San Mateo County
- Becky Hoag: EPA
- Andrea Chow: San Mateo
- Alhad Dighe: San Mateo County
- Alero Moju: San Mateo County
- Kim Springer: C/CAG



## Jurisdiction Round-Robin: Verbal share out

- On a scale of cat, how are you today?
- Do you have urban forestry goals? If so, what are they? How far have you progressed in this goal?
- What updates, challenges, or announcements do you have for the group?



# Advisory Group 2025

- Goals for the group in 2025
- Opportunity to provide input on Implementation Group and meeting structure & direction
- Current esteemed members:
  - Sigalle Michael - Burlingame
  - Ori Paz - Menlo Park
  - Rachael Londer - Menlo Park
  - Matthew Nichols - Half Moon Bay
  - Andrea Chow - San Mateo
  - Elizabeth Brooks - Pacifica
  - Adrienne Etherton - Brisbane
  - Andrea Pappajohn - Millbrae
  - Vicki Sherman - Redwood City
- Would others like to join?





# EV Charging Outreach

January 28, 2025

Melanie Jasper  
Peninsula Clean Energy



# Peninsula Clean Energy EV Ready

## EV Ready Program:

Increase access to EV Charging

- Program incentives
- Technical assistance

**250+**

customer sites  
evaluated

**1300+**

ports installed

**2000+**

ports in  
installation



We are looking for your help to reach more customers!

# Over 60% of Projects at Multifamily

92 Smart Level 2  
Outlets Condos in East  
Palo Alto



64 Chargers - Condos in Menlo Park

Video: <https://evercharge.com/sharon-park-testimonial>

Hundreds more  
outlets on the way!



# Public, Hospitality, Workplace Charging

Hotel in San Bruno  
20 Ports



Second Harvest  
Employee Parking  
5 Ports

Ravenswood and  
Foster City  
School Districts  
60+ Ports



Brisbane Park  
and Ride  
10 Ports



# Installations to date

City	Ports Installed	Total Incentives
BELMONT	137	\$648,180
BRISBANE	30	\$150,000
BURLINGAME	111	\$891,187
COLMA	4	\$20,000
DALY CITY	13	\$52,000
EAST PALO ALTO	108	\$273,000
FOSTER CITY	20	\$102,000
HALF MOON BAY	6	\$30,000
HILLSBOROUGH	12.5	\$60,000
MENLO PARK	114	\$479,065
MILLBRAE	28	\$122,000
PACIFICA	3	\$20,000
REDWOOD CITY	243.5	\$1,107,777
SAN BRUNO	26	\$712,000
SAN CARLOS	21	\$91,516
SAN MATEO	393.5	\$1,279,855
SOUTH SAN FRANCISCO	57	\$1,531,000

Please contact Melanie, [mjasper@peninsulacleanenergy.com](mailto:mjasper@peninsulacleanenergy.com) to help us market to more property owners in your area!

# Future Opportunities – DC Fast Charging

If our goal is to add fast charging in San Mateo County...

Should we be pursuing CEC Fast charging funding? How do we best add value here?

Group discussion:

- Has anyone previously hosted DC fast charging stations? Please share
- Who is interested in identifying sites in their area? Should they be on private or public land?

# Resources

Program Website:

<https://www.peninsulacleanenergy.com/business/rebates-offers-business/ev-ready-program/>

To apply for technical assistance:

<https://pceev.clearesult.com/home>

To market EV ready in your area contact Melanie:

[mjasper@peninsulacleanenergy.com](mailto:mjasper@peninsulacleanenergy.com)



# New PCE Residential Electrification Services

January 28, 2025

Alejandra Posada  
Peninsula Clean Energy

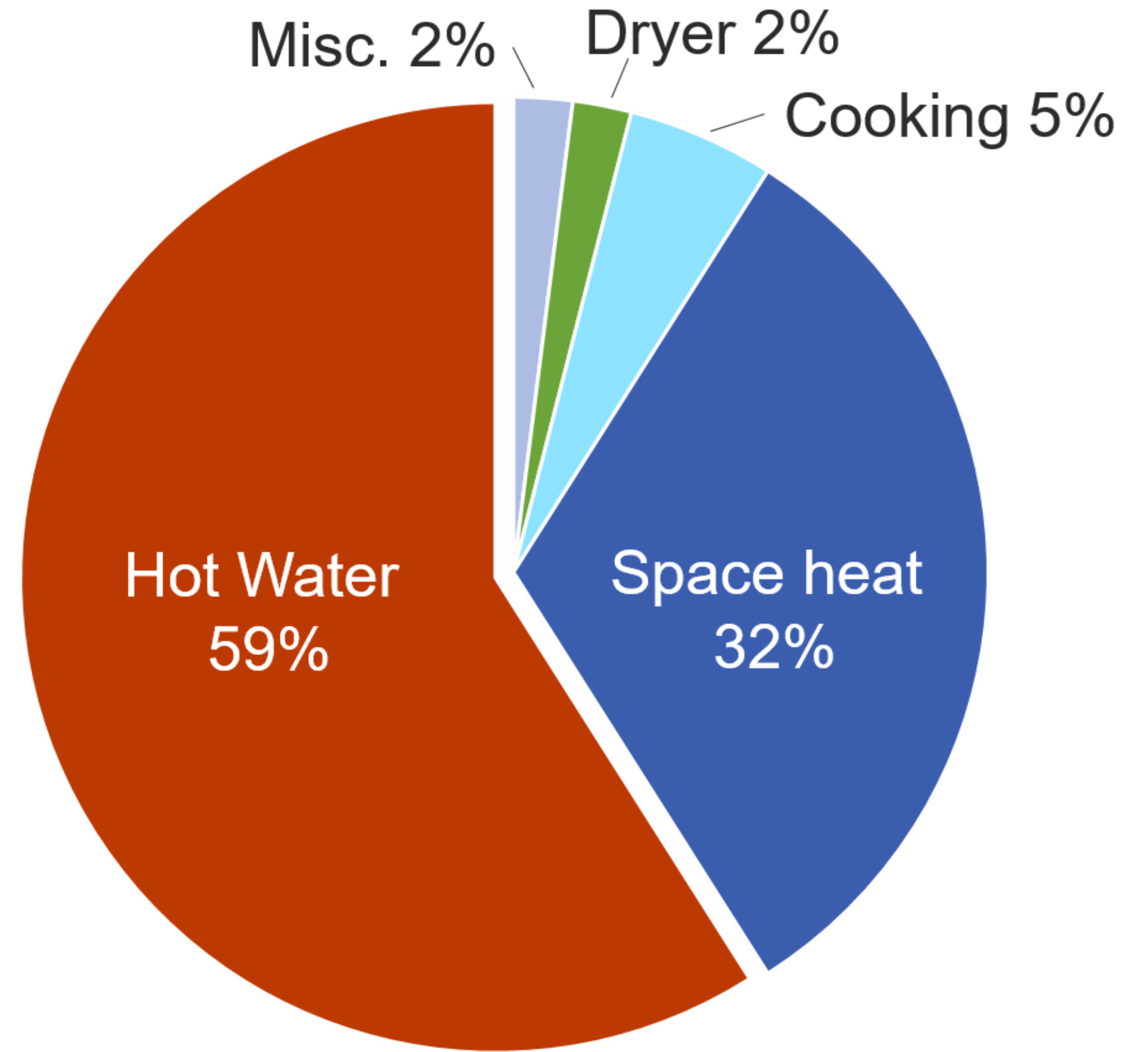


# PCE Home Upgrade Services

January 28, 2025



# How do we use fossil fuels in buildings?



Average Gas Usage in CA Homes

# Replace Gas with Electricity, Clean the Air



# Benefits of electric appliances

- Functional and often has enhanced features
- Efficient (uses less energy)
- Safer and better for air quality





# What are barriers to using electric appliances?

- Lack of Awareness
- Cost
- Complexity



# PCE Home Upgrade Services

A suite of services to help residents electrify their homes – from DIY to full-service



Rebates



Financing

New



Advising & Support



Full-Service Installation



Emergency Water Heater Replacement

# Rebates and Financing from PCE



Heat Pump Water Heater

\$2,500 rebate



Heat Pump Space Heating & Cooling

\$1,500 rebate



Zero Percent Loan

\$10,000 Loan

**Additional:** \$1,000 for CARE/FERA, \$1,000 for electrical panel upgrade

# New tool to find all rebates

ZIP Code\*

e.g. 94061

City\*

Select...

Rent/Own\*

Select...

Household Income\*

\$ 37,750

Tax Filing Type\*

Select...

Household Size\*

Select...

We'll use this to find incentives you're eligible for

→ Get Results



[offers.peninsulacleanenergy.com](https://offers.peninsulacleanenergy.com)

# Advising & Support

- **In-house call center**
  - Better customer experience
  - Support on programs
- **Electrification Advisor**
  - Personalized 1-on-1 support
  - Scheduled service



# Full-Service Installation

- **Free upgrades for income-qualified residents**
  - Whole-home electrification at no-cost
  - Income-qualified homeowners only
- **Incentives and fixed pricing for all other residents**
  - PCE-backed installation with select vetted contractors
  - Fixed pricing and incentive support



# Eligibility Criteria Full-Service Installation

- PCE residential customer
- Owner of residence
- Single-family home (up to a fourplex)
- Install at least a heat pump water heater OR heat pump HVAC replacing gas equipment

## Additional criteria for no-cost upgrades only

- Owner and occupant of residence
- Income at or below 80% of area median income
- Residence below 2,000 sqft
- Must not own multiple properties
- **Investable assets must not exceed \$500,000<sup>1</sup>**

<sup>1</sup>Investable/liquid assets include education/custodial accounts, individually-owned retirement accounts, stocks, options, bonds, mutual funds, managed accounts, hedge funds, structured products, ETFs, cash accounts, annuities, and cash value life insurance.

# Emergency Water Heater Replacement

- For failing gas water heaters
- Hot water back within 48 hours
- Installation by PCE vetted contractor, Fuse Service
- No-cost for income-qualified homeowners





# Meeting different customer needs

## Customer A:

- Wants to choose their own contractor or DIY
- Want to compare multiple quotes / get lowest price
- Wants to select exact equipment



Rebates & Financing



Advising & Support

## Customer B:

- Just wants to “get it done” and not do a lot of research
- Is okay having less control of equipment and contractor selection
- OR is eligible for no-cost upgrades



Full-Service Installation

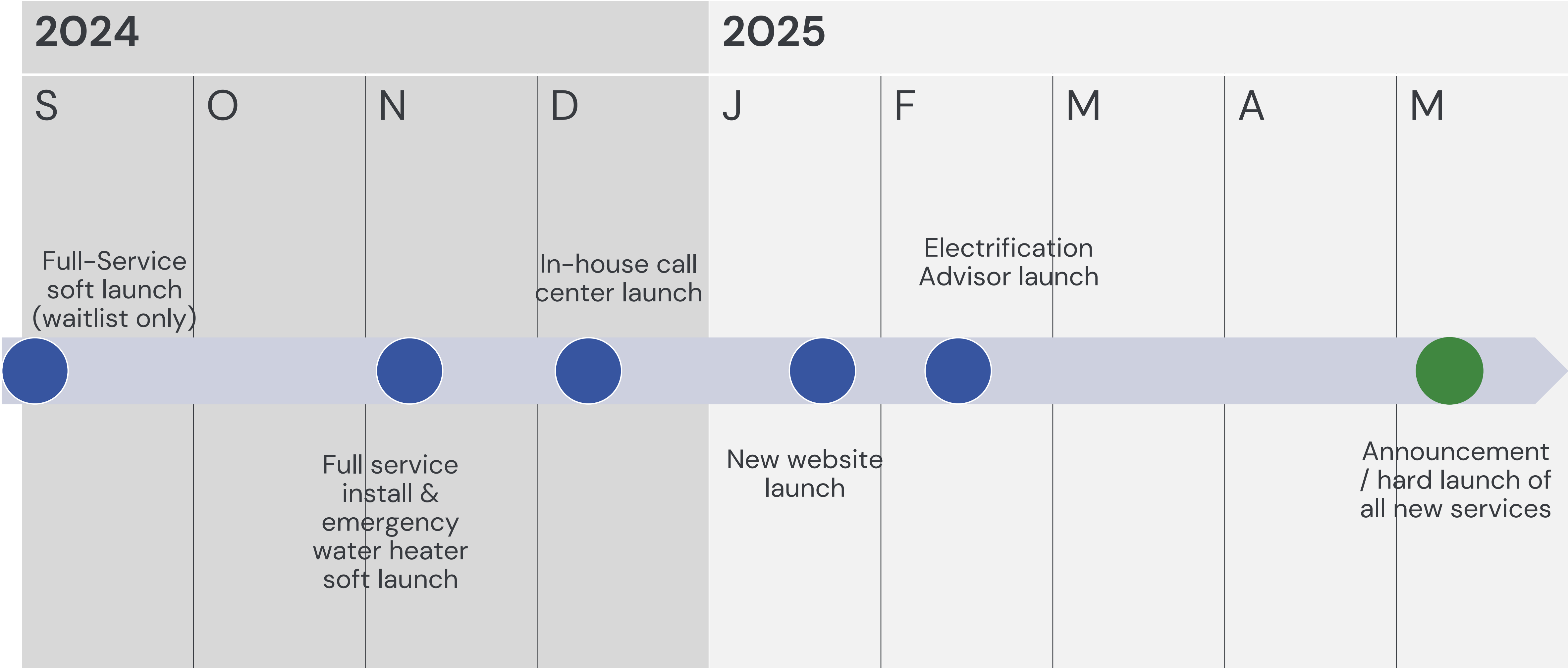
## Customer C:

- Water heater fails, needs hot water asap



Emergency Water Heater Replacement

# New Home Upgrade Services Timeline





# Thank you

Alejandra Posada

[aposada@peninsulacleanenergy.com](mailto:aposada@peninsulacleanenergy.com)



*Did you know we  
can help you with  
that?*

# **RICAPS Tool and Resource Review**

**January 28, 2025**

Anna Yip  
Rincon Consultants



# Available Tools and Resources



- GHG Inventory
- Forecast & SPARQ Tool
- Menu of Measures
- Building Electrification Model
- Methane Gas Catalogue Tool
- Electric First Policy
- CAP Template and CAP Support



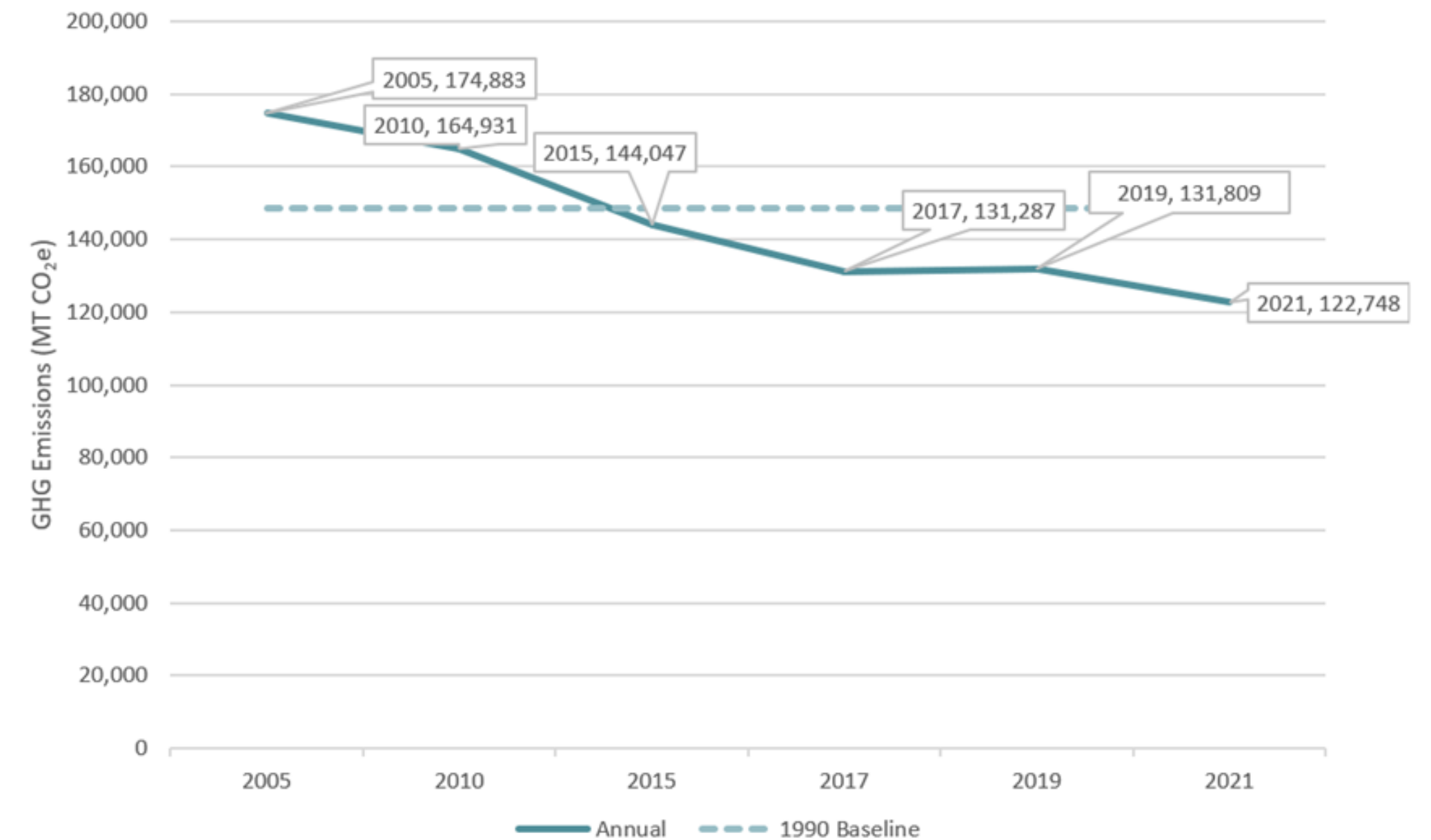
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**GHG Emissions Over Time**

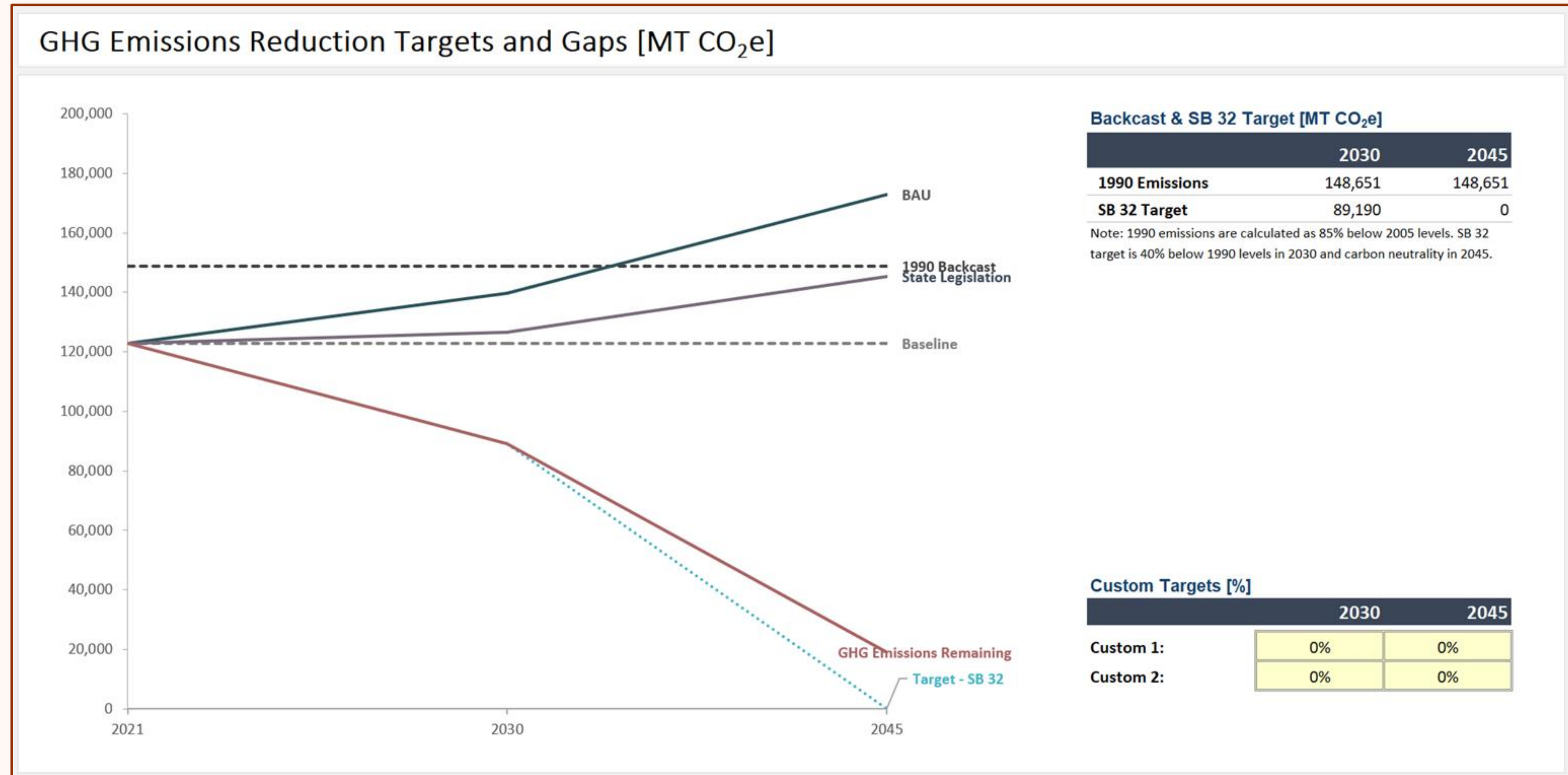
Year	Annual GHG Emissions (MT CO <sub>2</sub> e)
1990	148,651
2005	174,883
2010	164,931
2015	144,047
2017	131,287
2019	131,809
2021	122,748



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Select Measure/Action	Action ID #	Pillar	Action Text	2030 Potential Emission Reduction Impact (% Impact of Sector Emissions)	2045 Potential Emission Reduction Impact (% Impact of Sector Emissions)
Measure T-1					
	Action T-1.1	Structural Change	Develop and implement an Active Transportation Plan to decrease VMT by [x]% in 2030, and [x]% in 2045, increasing active transportation mode share from X% to [4%-10%] in 2030 and [8%-15%] in 2045;  Develop an Active Transportation Plan by 2024 (designed for x% VMT reduction) focused on reallocating parking and vehicle roadways to active transportation infrastructure. The Plan should include: - An analysis of existing bicyclist and pedestrian conditions and infrastructure with a focus on identifying areas currently isolated due to freeways and busy roads; - A survey of recent bicycle and pedestrian collisions; - A prioritized list of bikeways to install including shared-use paths, buffered bike lanes, bike boulevards, and separated bikeways; - A schedule for reducing vehicle speed limits at prioritized locations; and - A prioritized list of projects for accelerated completion by 2030.	1%-2% of on-road transportation emissions	1%-4% of on-road transportation emissions
	Action T-1.2	Structural Change	Provide Pedestrian Network Improvement: Increase sidewalk coverage to improve pedestrian access, building (x) miles of new sidewalks, while improving (x) miles of degraded or damaged sidewalks. Ensure sidewalk is contiguous, and links with existing and planned pedestrian facilities, and that network prioritizes pedestrian safety.	Up to 6% reduction in VMT from Study Area Quantifiable, dependent on existing sidewalk length in study area.	Up to 6% reduction in VMT from Study Area. Quantifiable, dependent on existing sidewalk length in study area.
	Action T-1.3	Structural Change	Construct or Improve Bike Boulevard, connecting to a larger existing bikeway network, expanding the network by (x) miles. Bicycle boulevards are a designation within a Class III bikeway that create safe, low-stress connections for people biking and walking on streets. Prioritize low-income and underserved areas, and communities with lower rates of vehicle ownership and fewer transit options.	Up to 0.2% of GHG emissions and VMT from vehicles on roadway. Quantifiable, based on percent of plan/community on VMT to have bicycle Boulevard	Up to 0.2% of GHG emissions and VMT from vehicles on roadway. Quantifiable, based on percent of plan/community on VMT to have bicycle Boulevard
	Action T-1.4	Structural Change	Expand Bikeway Network: increase the length of a city or community bikeway network by (x) miles, which is an interconnected system of bike routes, cycle tracks, bike paths, and bike lanes. Connect bike lanes to transit hubs. Bikeway network must either be Class I, II, or IV infrastructure.	Up to 0.5% of GHG emissions from vehicle travel in the plan/ community. Quantifiable, based on bikeway miles in plan/ community,	Up to 0.5% of GHG emissions from vehicle travel in the plan/ community. Quantifiable, based on bikeway miles in plan/ community,
	Action T-1.5	Structural Change	Implement Pedal (not electric) Bikeshare Program: Establish a bikeshare program (either docked or undocked) to provide users, equivalent to (x) percent of community access to bikeshare system, with on-demand access to bikes for short term rentals.	Up to 0.02% of GHG emissions and VMT from vehicle travel in the plan/ community. Quantifiable,	Up to 0.02% of GHG emissions and VMT from vehicle travel in the plan/ community. Quantifiable,





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Building Electrification Emission Reductions Calculations							
Emission Reduction Summary by Sector [MT CO <sub>2</sub> e]							
Sector	Measure	Subsector	Yes/No	2030	2030.	2045	2045
New Building Electrification	Energy Performance Standard/2025 Building Code	Single-family	No	0		0	
		Multi-family	No	0		0	
		Nonresidential	No	0	0	0	0
	Local Zero NOx Rule - New Appliances	Single-family	Yes	3,006		4,732	
		Multi-family	Yes	420		720	
		Nonresidential	Yes	265	3,691	946	6,398
	BAAQMD Zero NOx Rule - New Furnaces and Water Heaters	Single-family	Yes	1,283		13,798	
		Multi-family	Yes	299		2,387	
		Nonresidential	Yes	11	1,593	238	16,423
	Two-Way AC	Single-family	Yes	5,072		0	
		Multi-family	Yes	158		0	
		Nonresidential	Yes	2,523	7,754	13,339	13,339
	Local Zero NOx Rule - Existing Furnaces	Single-family	Yes	9,697		4,885	
		Multi-family	Yes	466		235	
		Nonresidential	Yes	1,059	11,222	16,430	21,549
	Local Zero NOx Rule - Existing Water Heaters	Single-family	Yes	3,590		0	
		Multi-family	Yes	904		0	
		Nonresidential	Yes	425	4,918	2,017	2,017
BAAQMD Zero NOx Rule - Existing Furnaces and Water Heaters	Single-family	Yes	7,809		62,590		
	Multi-family	Yes	1,472		7,795		
	Nonresidential	Yes	561	9,842	633	71,017	
Heat Pump at Point of Building Sale	Single-family	Yes	7,450	7,450	25,621	25,621	
	Single-family	Yes	65		262		
	Multi-family	Yes	0	65	0	262	
Existing Building Electrification	Cooking Electrification at Kitchen Renovation						
<b>Total</b>				<b>46,535</b>	<b>46,535</b>	<b>156,626</b>	<b>156,626</b>



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San Mateo County Municipal Electrification  
Roadmap

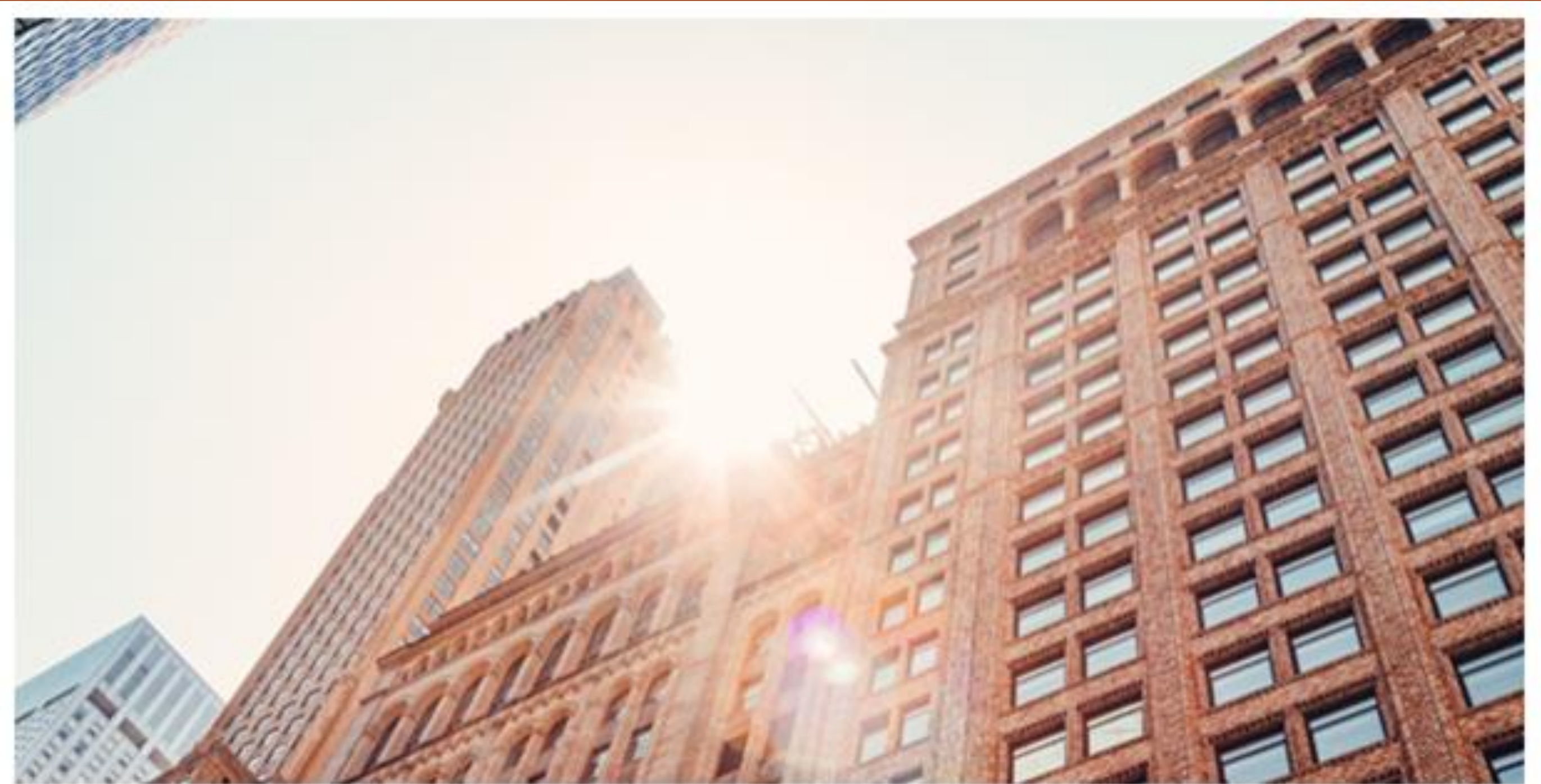
Methane Gas Catalog Tool



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Municipal Buildings Electric First Preferred Policy




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## Climate Action Plan Template

City/County Association of Governments  
of San Mateo County

Technical assistance from DNV  
May 2021  
Version 9.5

**Instructions:**  
The following pages of this document contain the draft semi-standard language for the Climate Action Plan (CAP) Template. This can be provided to your consultant if you're using one. Individual cities should use the semi-standard language as a starting point for making modifications to customize information and projections for their specific communities. For sections where semi-standard language is not provided, comments are embedded to provide more guidance on how to complete these sections.

Green highlights provide guidance about how to use the document.  
Yellow highlights indicate sections and text that cities must customize.  
Blue highlights with italic text indicate information that will be designed in sidebars or call-out boxes.

The following fields are designed to allow cities to find and replace (Ctrl+h) to customize:

Field (include brackets)	Replacement text (for example)
[CITY]	San Mateo
[CITY's]	San Mateo's
[BaselineYear]	2005
[TargetYear]	2030
[Target%]	50%

**Changes to this document since Version 9.4:**

- Changed "50 percent reduction in emissions" to "at least 50 percent reduction in emissions" throughout the document.
- Added "Funding and Financing Climate Action Plans Report" to the Appendix F: Summary of Funding Sources.
- Incorporated references to gasoline consumption and added a gasoline sales graph.
- Made family icons gender neutral.
- On page 42, changed "State Level Actions" to also include county-level actions throughout the section.
- Added a disclaimer to Appendix B.4 and fixed two mistakes in the graphics.

These and a few other new changes are indicated in the comments. Search on "version 9.5" to find them.



Thank you!