
Programs Impact Summary

As of December 31, 2024

February 2025

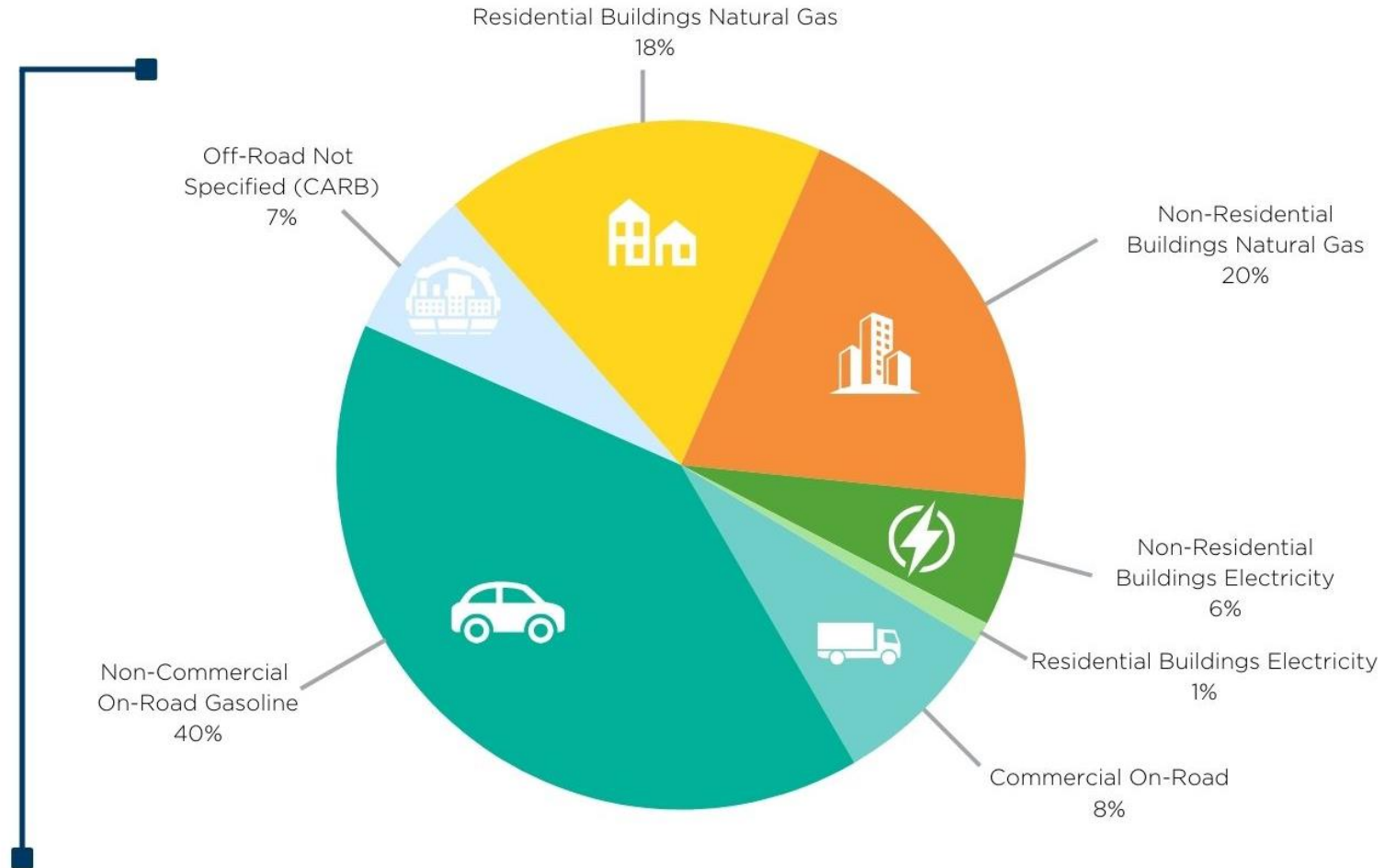


SVCE emissions down from 4 million MT CO₂e in 2015

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**2023 Total:
2.92 Million
MT CO₂e**

**Over 1 million
machines to
replace**





Programs 2024 Rearview

- 35 programs active or in planning
- \$130M committed to programs
- \$34M carved out for income-qualified customers only
- 6 major program launches in 2024 -->



**Multifamily
Affordable Housing
Electrification**



**Turnkey Single Family
Electrification Service**
(including emergency water heater)



**Commercial &
Industrial
Decarbonization**



**eHub 2.0 – Online
Resource Center**



**Income-Qualified EV
Rebates**



**Innovation Onramp
Cycle** (lower multifamily EV
charging costs to tenants)

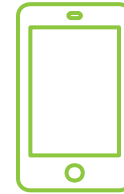


Highlights by the Numbers: Transportation



511

Level 1 or 2 chargers
installed (+234)



1,601

users managing EV loads
with GridShift app (+417)



32

multifamily properties that
installed EV charging (+22)



47

properties received EV
charging technical plans (+13)



Highlights by the Numbers: Buildings



714

customers served through
Go Electric Advisor service
(+689)



1,020

heat pump water heaters
installed (+410)



288

contractors trained
(+184)

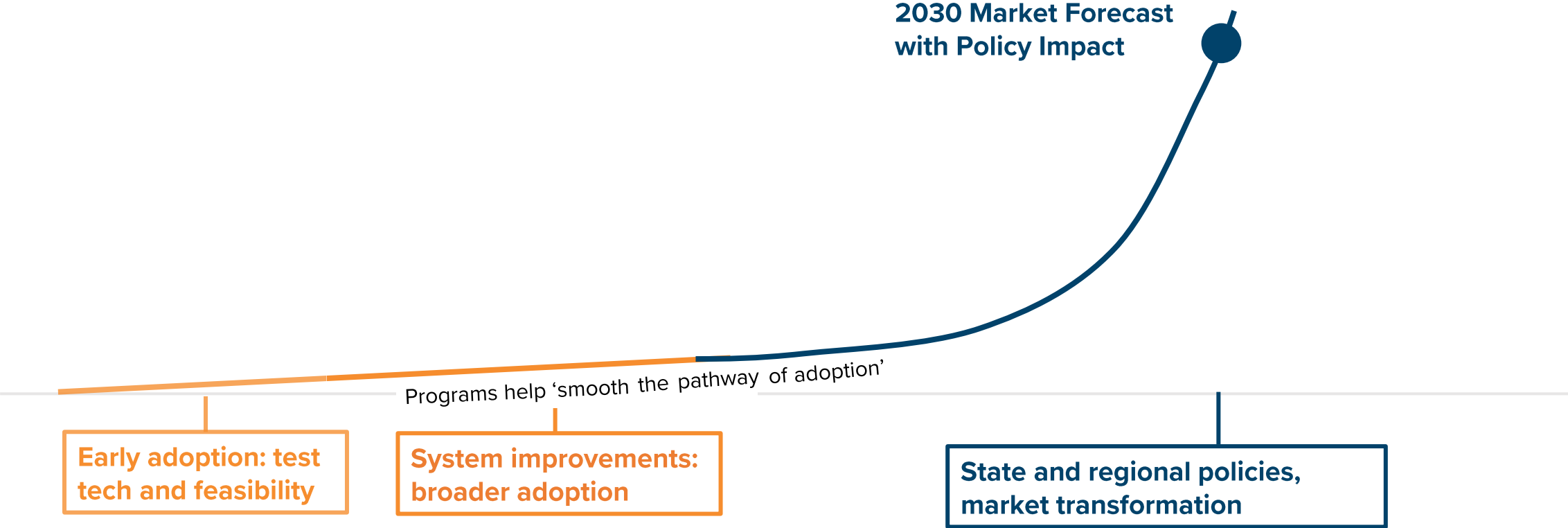


1,089

heat pump space heating and
cooling systems installed
(+709)



Early investment unlocks improvements and momentum essential to scale



Program Highlights



Home Rebates



Contractor Training



EV Programs



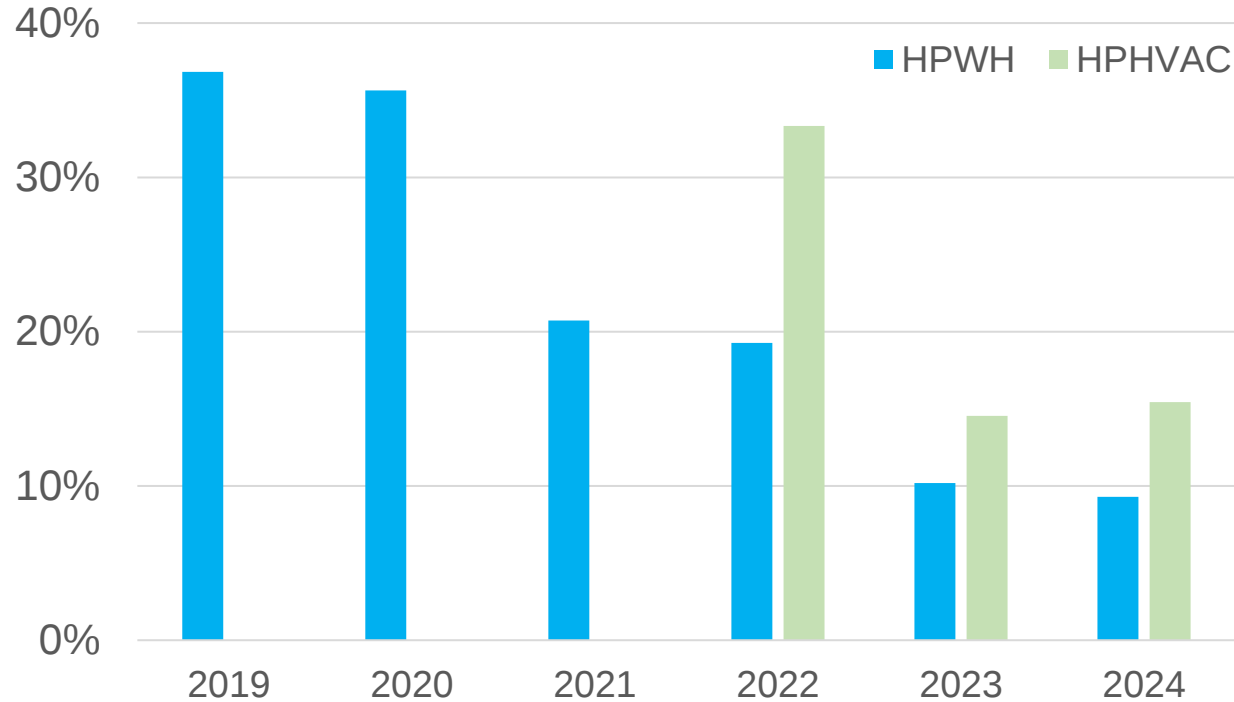
Program – Home Rebates



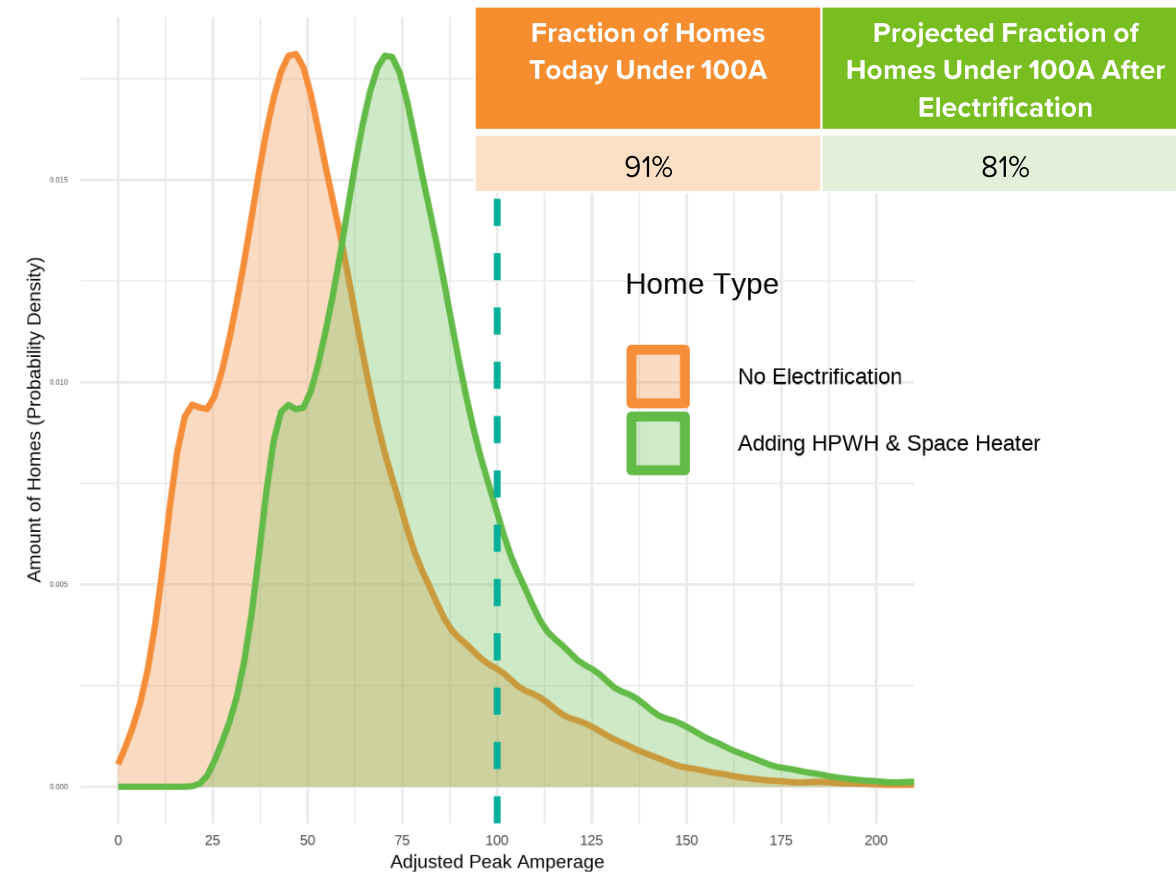


Proving out that panel upsizing is only needed <20% could save SVCE customers ~\$750M

SVCE Rebate Programs: % Panels Upsized

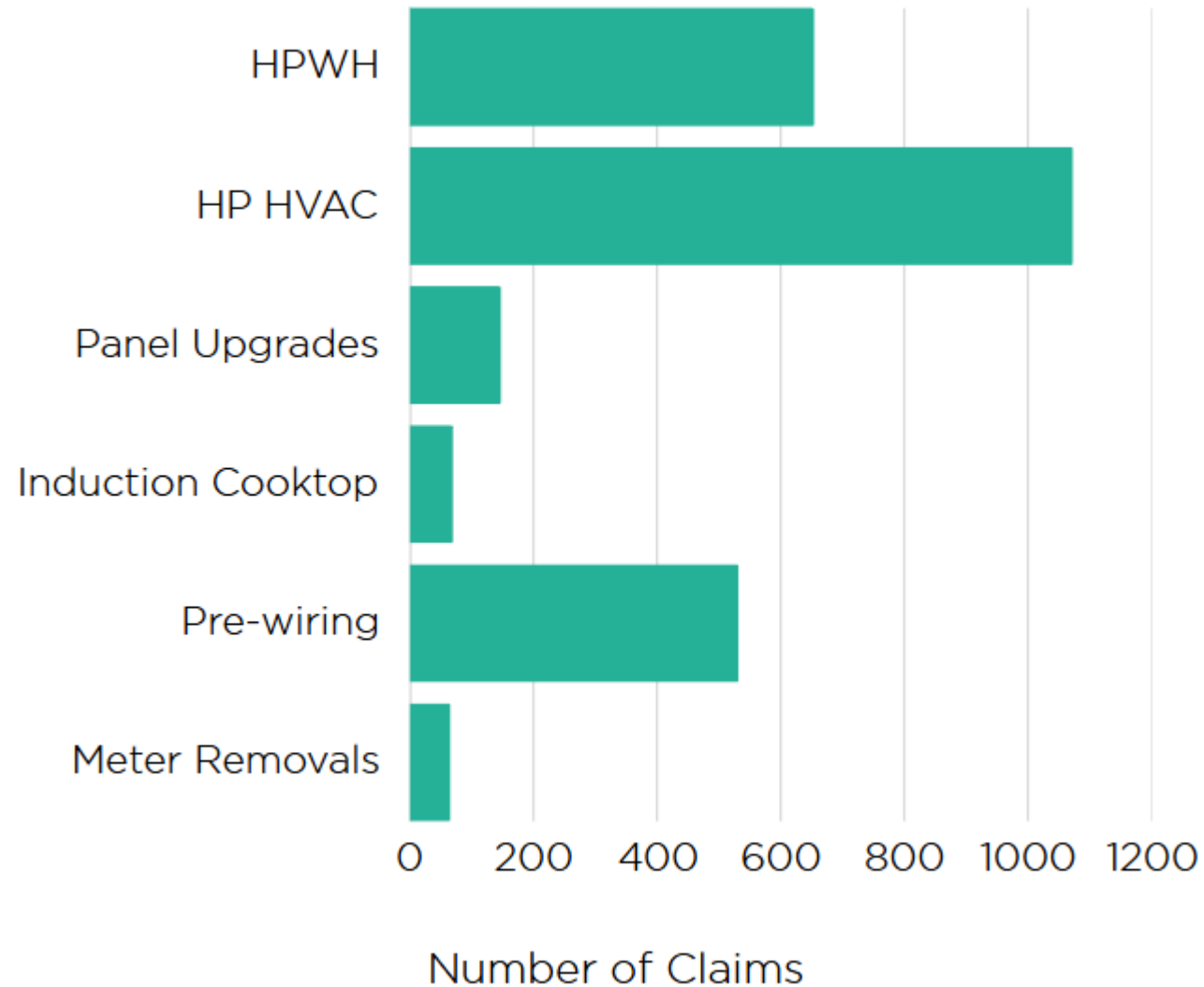


Distribution of Household Peak Energy Usage





HP HVAC is most popular rebate in Home Rebates, and customers are prewiring when doing other install work

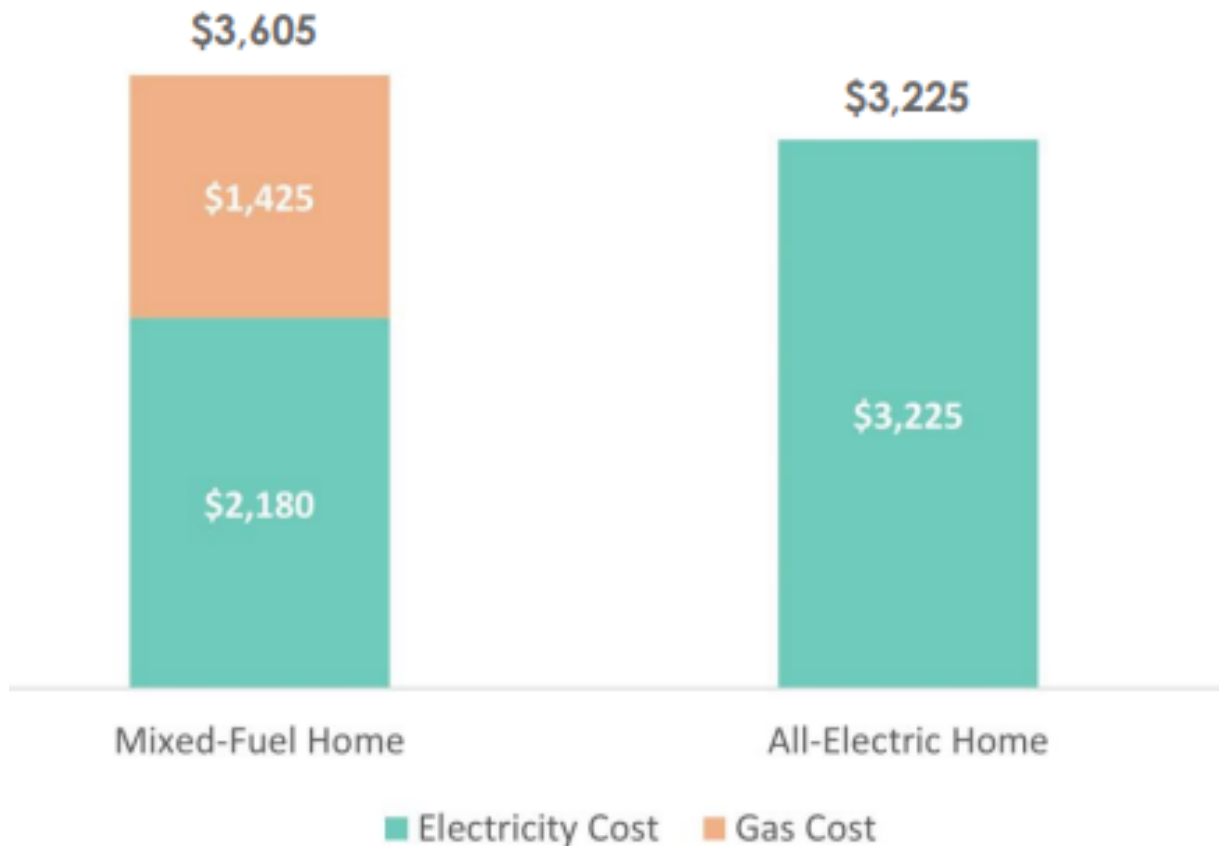




Electrifying saves customers money on their operating expenses



Annual Energy Costs of Mixed-Fuel vs.
All-Electric Single-Family Home



- Analysis shows \$32/month for all-electric – requires customers switch to an electrification-friendly rate
- Early HPWH analysis showed ~\$30/yr savings – under very different rate structures
- Varies by customer



Program – Contractor Training



Roberto Moya
Comfort Advisor,
Air Care Heating & Cooling, Inc.

Training Incentive: \$500 to complete online course

Collaboration Bonus: \$500 for each project they install for SVCE customers

Installation Incentive: Up to \$5,000 to install in their own home/business



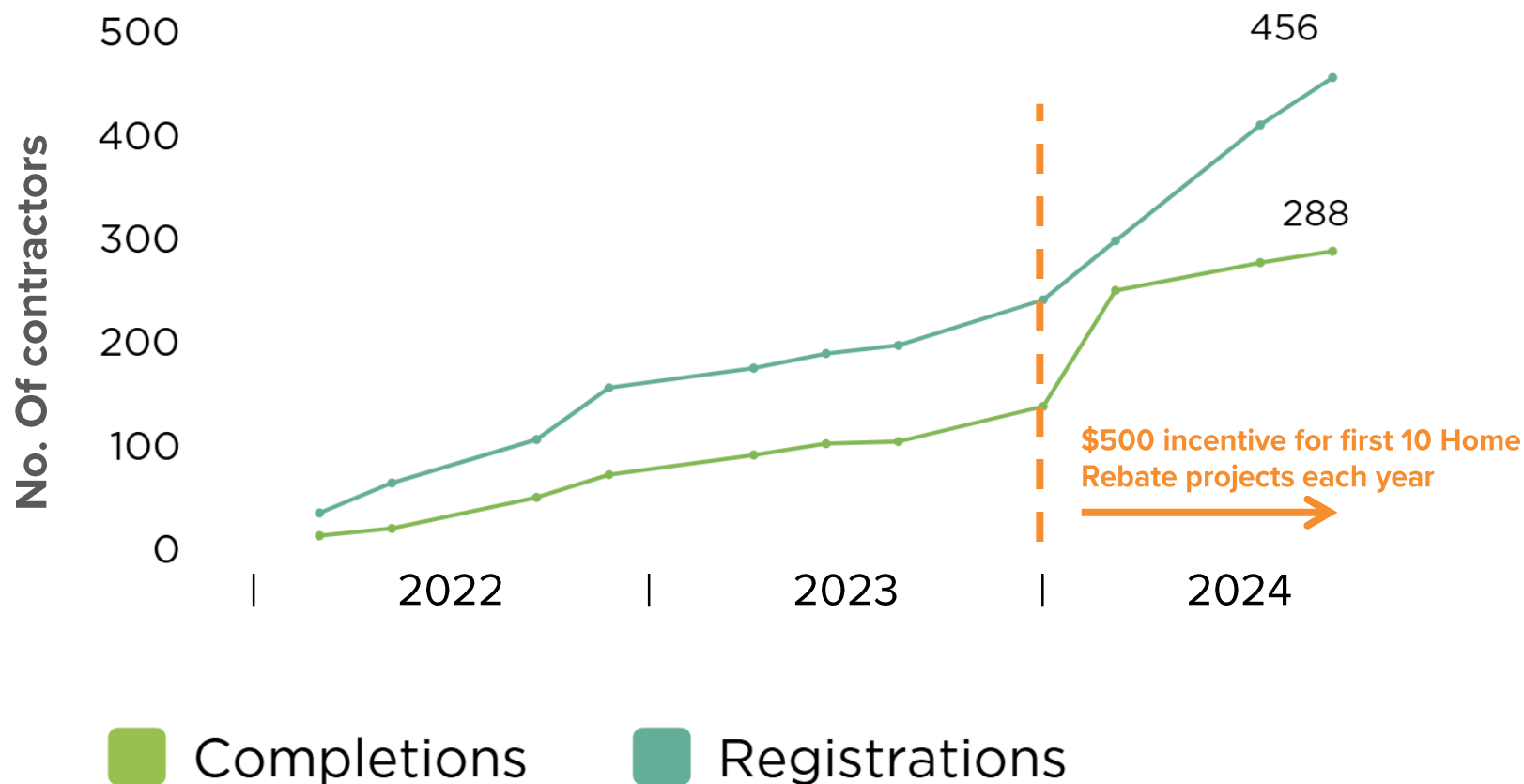
Johnny Kim
Owner,
JK General Construction



New collaboration bonus drove increased interest in training



No. of Contractors in SVCE's Contractor Training Program

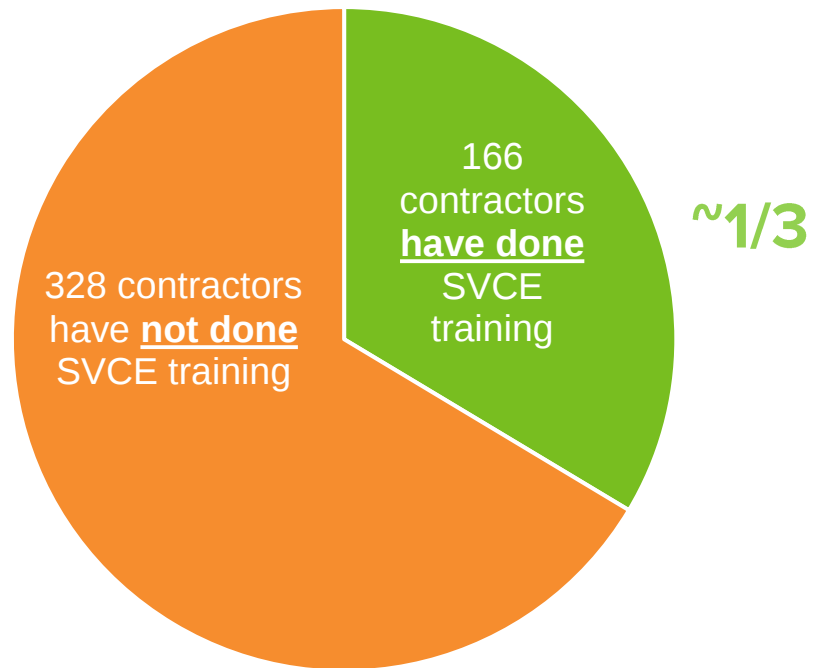




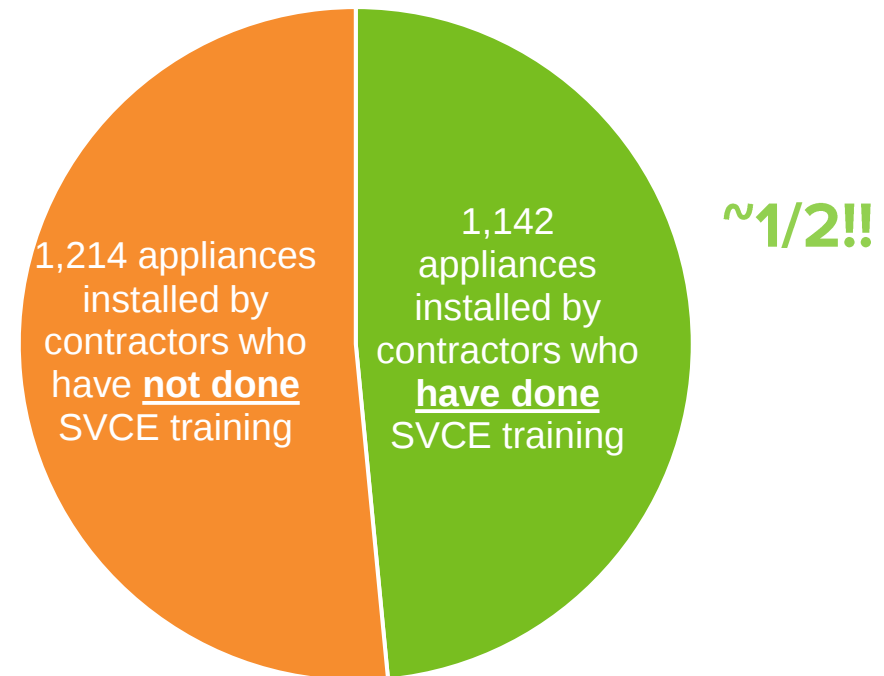
Contractor Training graduates installed half of appliances that went through SVCE's Home Rebates program



Total # Contractors



Total # Appliances





Hearing from contractors that they are able to deliver rapid electrification



Gas to HPWH: <1 day



Gas to HP HVAC: <3 days

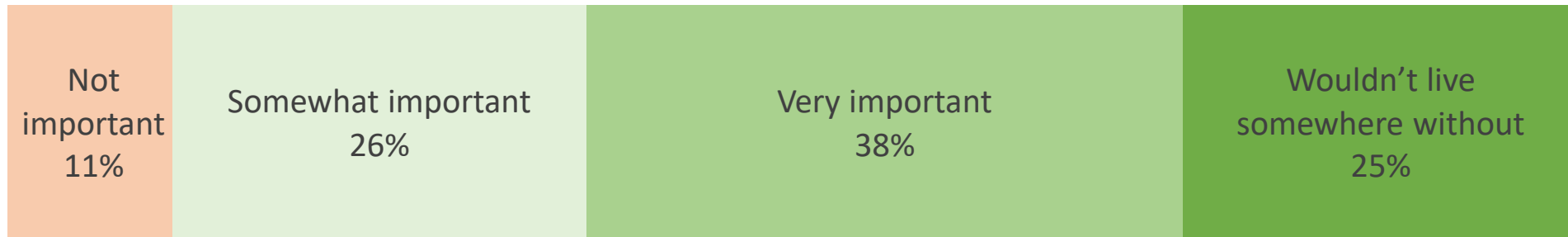


Program – EV charger technical assistance and incentives





Access to home charging continues to be important



Percent of Multifamily EV Owner Respondents (n=171)

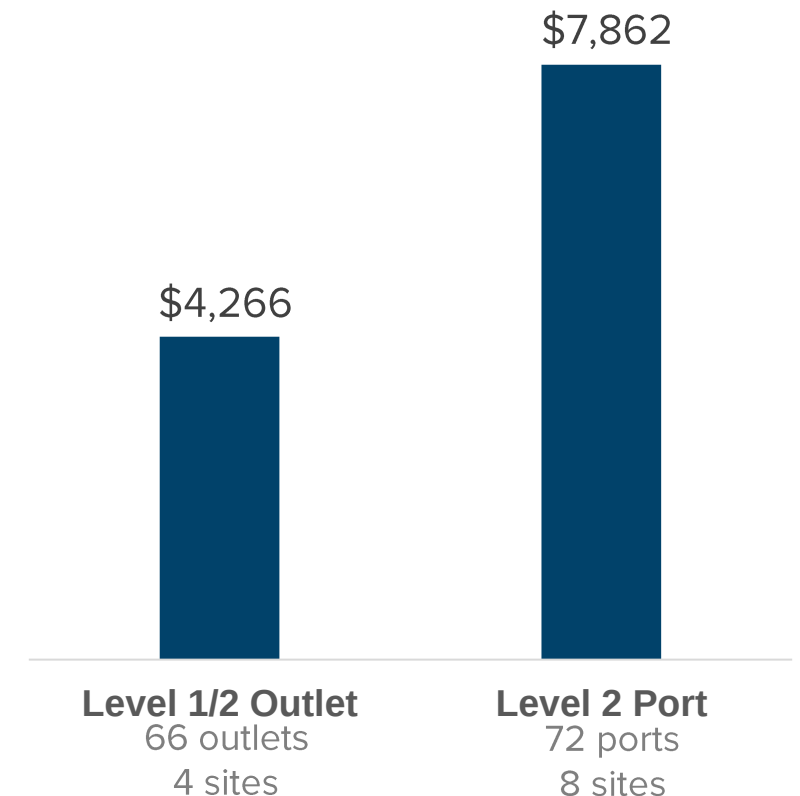


SVCE's program is supporting lower cost solutions that can scale while meeting customer needs



- Lower power solutions have lower costs
- These solutions can charge 30-50 miles overnight
- SVCE survey results show:
 - ~2/3 of multifamily residents drive <25 miles/day
 - ~90% drive <50 miles/day

SVCE Program Median Per Port Installation
Cost for Level 1 and 2 EV Chargers at
Multifamily Sites





Next up: scaling and more scaling

- **Continue focus on accelerating utilization of active programs**
- **Start planning programs to support BAAQMD rules**
- Grow marketing, more community and CBO engagement, and improved language access
- Based on evaluation results, pivot/close some programs

Programs Launching in 2025



On-Bill Financing Pilot



Income-Qualified E-bike Rebates



App to Help Customers Stack Incentives



Demand Flex / Virtual Power Plant

SVCE programs are working to push for the "state of the world" we need to build



Lower costs and up-front capital required, compared to fossil options



Approaches that work for *all* customer groups



Effective products and installation best practices



Easy install process (time and effort)



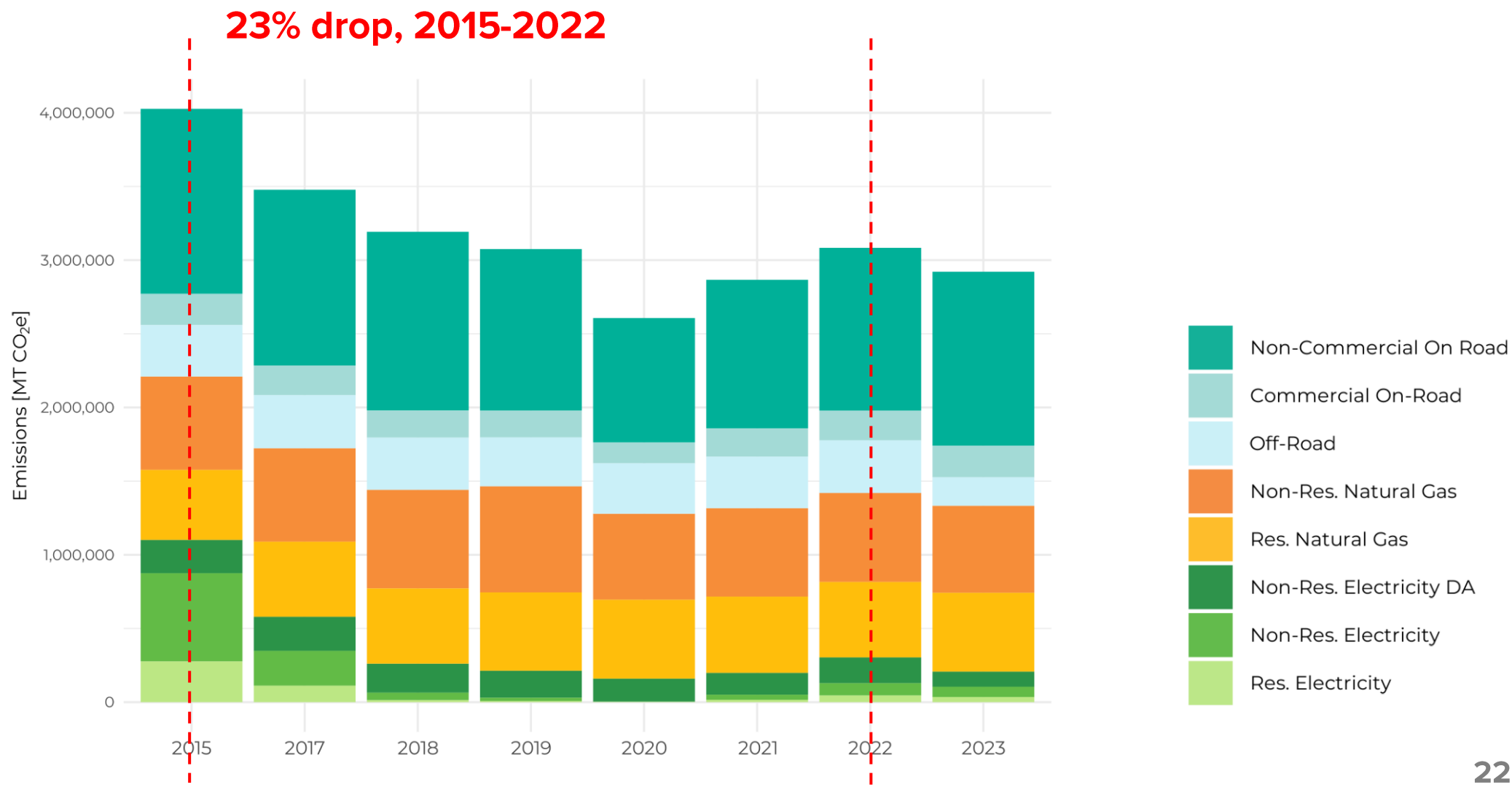
Contractors that promote electrification



Appendix



SVCE Emissions





Impacts by the Numbers: Transportation



\$3.5M

incentives paid for
EV charger
installations (+1.9M)



511

Level 1 or 2
chargers installed
(+234)



20

DC Fast Charger
ports installed
(+10)



1,601

users
managing EV
loads with
GridShift app
(+417)



32

multifamily
properties that
installed EV charging
(+22)



47

properties received
EV charging
technical plans
(+13)



10

public fleets receiving
electrification planning
support
(+5)



Program Impacts by the Numbers: Buildings



714

customers served
through Go Electric
Advisor service
(+689)



\$5.6M

incentives paid
out for building
electrification
(+\$3.9M)



1,020

heat pump water
heaters installed
(+410)



1,089

heat pump space
heating and
cooling systems
installed (+709)



390K

unique web visits to
eHub online
(+128K)



4,200

customers used
all-electric rate
(+3,350)



288

contractors
trained
(+184)

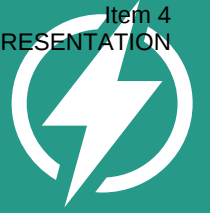


60

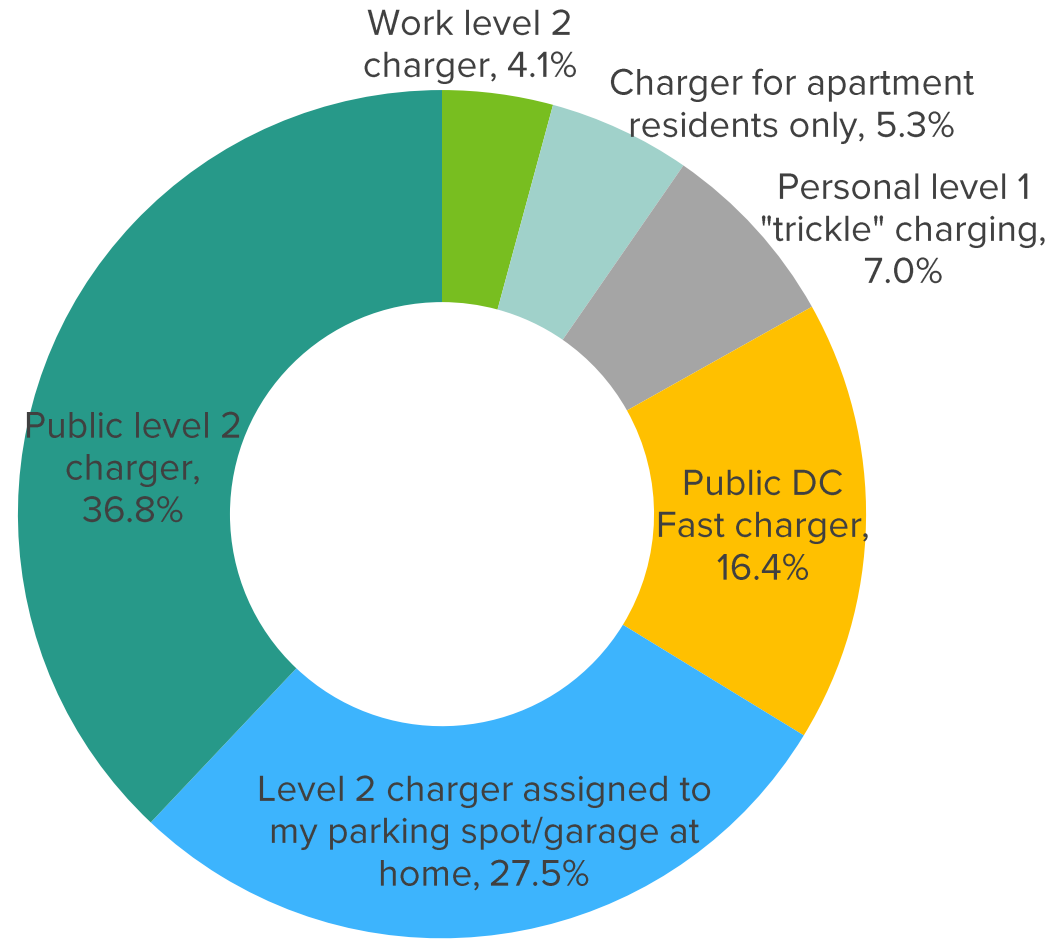
induction
cooktops or
ranges installed



Many multifamily residents with an EV still rely on public L2 chargers



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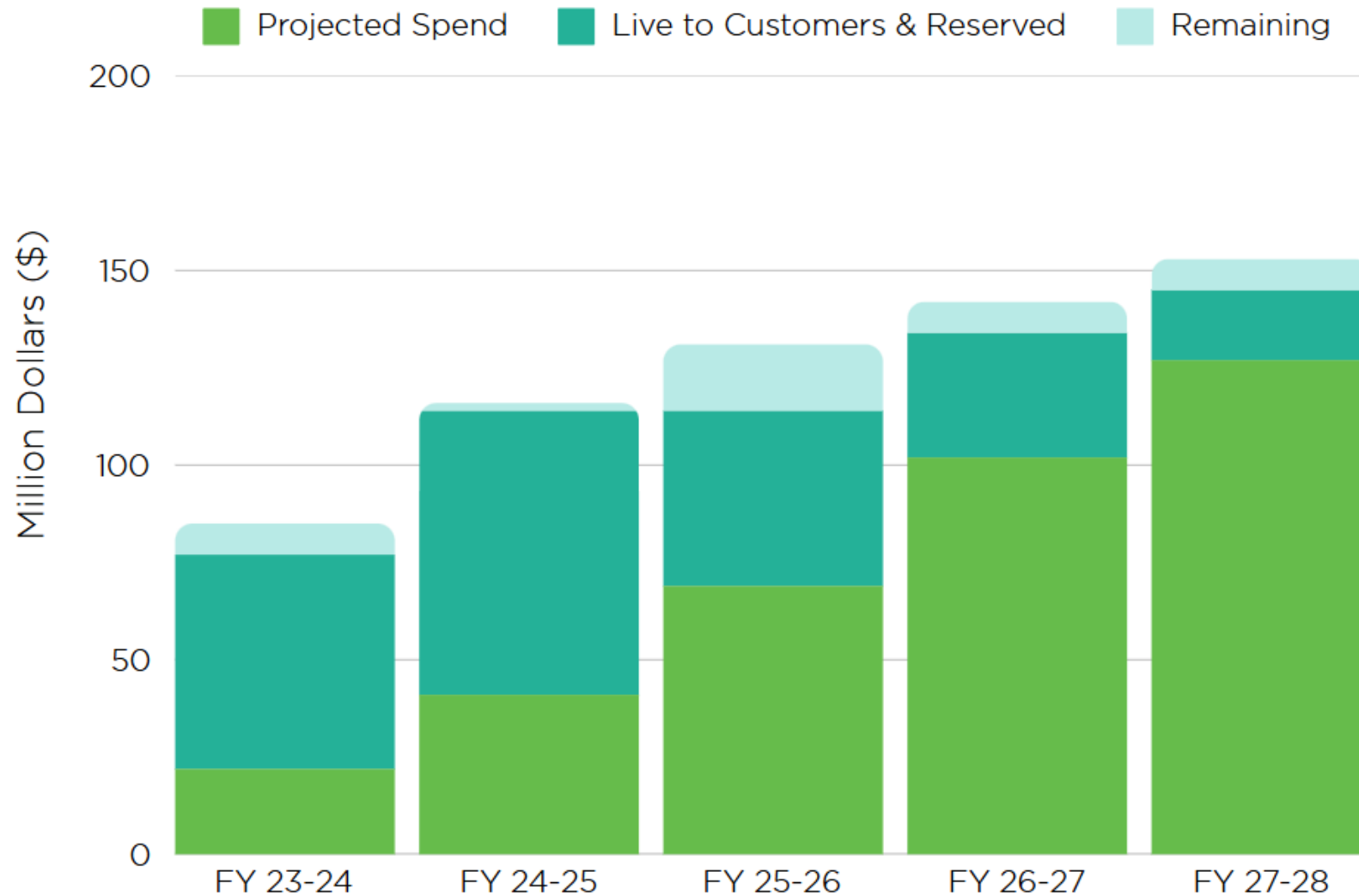


Charging Types Used by Multifamily EV Drivers (n=171)



By end of FY25 will have launched full program set; plan in place to spend current budget in next 3 FYs

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2025 Local Agency Action Planning

*Resources to support the transition to
pollution-free buildings and transportation.*

February 2025

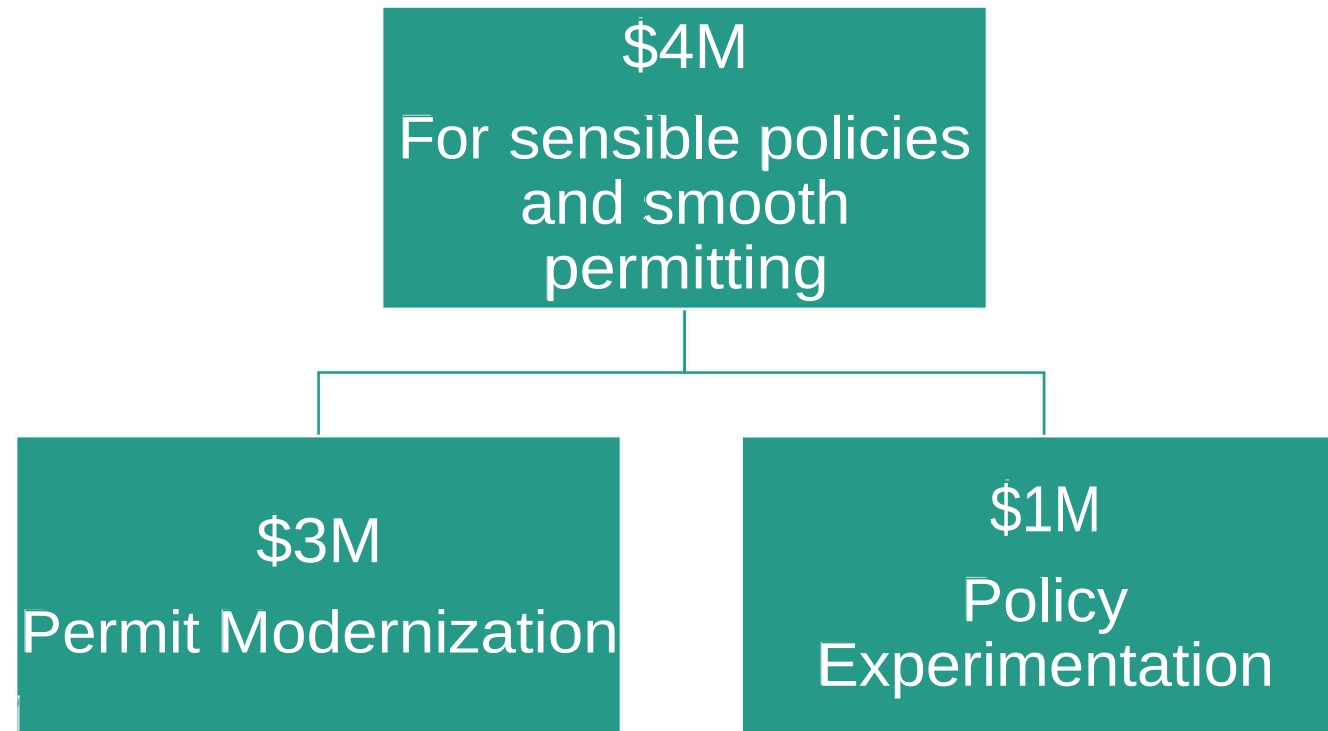
Objective

Provide the Board with a status update on agency electrification readiness planning

SVCE and Member Agency Partnership

SVCE rebates and federal tax credits can reduce the financial cost of electrification. Local codes and permitting can increase adoption at the best time and with less friction.

SVCE is launching two complementary programs to provide our member agencies \$4M in technical resources and grants to enable sensible local policies and smoother local permitting.



Each agency selects from a menu of options to help their community more easily make this transition.

There are three tiers of action.

Foundational Practices	Advancing Practices	Leading Practices
<i>Choose 3</i>	<i>Foundational + Choose 3 Advancing</i>	<i>Advancing + Choose 4 Leading</i>
Distribute info about BAAQMD, incentives, etc. with each permit	Train on avoiding unnecessary service upgrades	Allow plumbers to perform minor electrical work to streamline HPWH installations per CSLB
Implement Permit Concierge	Participate in meeting(s) on certified contractors network	BAAQMD ramp up (includes electrification readiness) on remodels
Provide staff training on building electrification technologies	Free permit pilot with outreach campaign	Require disclosures about gas appliances at time of sale
Enhance pre-application support materials	Insert comments in plans encouraging rewiring during other work	Implement certified contractors program
		Incentive-based remodels for electrification
		Adopt real-time permitting for HPWHs
		Require heat pumps at time of AC install or replacement

Action Planning Progress Update

Member Agency	Action Plan Status	Actions Planned		
		Foundational	Advancing	Leading
Campbell	Finaled	2	2	5
Cupertino	Finaled	1	3	3
Gilroy	Finaled	2	2	2
Los Altos	Finaled	3	3	4
Los Altos Hills	Finaled	2	2	4
Los Gatos	Finaled	2	3	4
Milpitas	Finaled	2	4	4
Monte Sereno	Finaled	1	1	5
Morgan Hill	Finaled	1	3	5
Mountain View	Finaled	3	5	4
Saratoga	Finaled	2	1	5
Sunnyvale	Finaled	1	4	7
County of Santa Clara	Finaled	3	3	6

Member agencies are already leading the way!

- 1. Cupertino is beginning the process to conduct a community survey, with SVCE contractor assistance, to gauge opinions on new policies.**
- 2. Gilroy has engaged with an SVCE consultant to better communicate with customers on permitting.**
- 3. Many agencies are now in the process of distributing rewiring handouts at permit counter.**

Thank you!



svcleanenergy.org



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Appendix

The Impact of Local Government Action

Sensible action now can make this transition easier and cheaper. For example, if every jurisdiction...

- Adopted rewiring requirements it could lead to **tens of thousands of electric-ready homes by 2030**.
- Required bidirectional AC at the time of replacement, it could add **~20,000 heat pumps by 2029** and **save residents \$ millions in redundant costs**.

Note: These are meant to be illustrative examples. Assumptions in the appendix.

The Impact of Your Leadership - Assumptions

Sensible action now can make this transition easier and cheaper. For example, if every jurisdiction...

- Adopted rewiring requirements it could lead to **tens of thousands of electric-ready homes by 2030.**
- There are at least 5000 permits drawn per year in our service territory that could reasonably require pre-wiring. This could mean at least 25,000 electric-ready homes by 2030. Given the variety of ways these policies could be written, we are not stating a certain number, but rather an order of magnitude.
- Required bi-directional AC at the time of replacement, it could add **~16,000 heat pumps by 2029** and **save residents \$ millions in redundant costs.**
- According to the market saturation study that SVCE conducted, there are ~100,000 ducted AC systems in our territory and they last ~20 years. Assuming an even annual turnover, that is ~5 replacements per year and ~20,000 by 2029 if policies went into effect in 2025.

BAAQMD Update

1. BAAQMD will report to the Board in December on market readiness, including costs, technology, workforce, and tenant protections.
2. SVCE is coordinating the 7 Bay Area CCAs to develop scalable solutions that support our communities.
3. South Coast Air Quality Management District passed similar phase out rules, but starting with larger water heaters and including new construction.
4. CA Air Resources Board – the current [proposal](#) would make phaseout gas water heaters statewide starting in 2027.

SVCE is providing a comprehensive set of resources to help each agency meet its goals.

Available
to All

Resources Available	Permit Modernization	Policy Experimentation
1:1 consultation w/SVCE staff (Board member & agency staff)	X	X
Tailored action plan for each jurisdiction	X	X
Technical, legal, and staff support resources	X	X
Access to national-level climate change trainings	X	X
Stipend for part-time, one-year fellow	X	X
Expanded consultant support to implement leading-edge initiatives	X	X

Available
to
Leadership
Cohort