



OFFICE OF
SUSTAINABILITY

COUNTY OF SAN MATEO

Existing Building Electrification 21 Elements

Feb 16, 2023

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OFFICE OF SUSTAINABILITY

COUNTY OF SAN MATEO

The Office of Sustainability (OOS) strives to improve the sustainability of the County's operations and the greater community through work that is designed to bring solutions today while solving for tomorrow.

Major Countywide Initiatives



**SB 1383
Implementation**



**FOODWARE
AWARE**

REUSE. CHOOSE. REFUSE.

**Foodware
Ordinance**



Resilience

RICAPS
Regionally Integrated Climate Action Planning Support

**Climate Action
Planning**

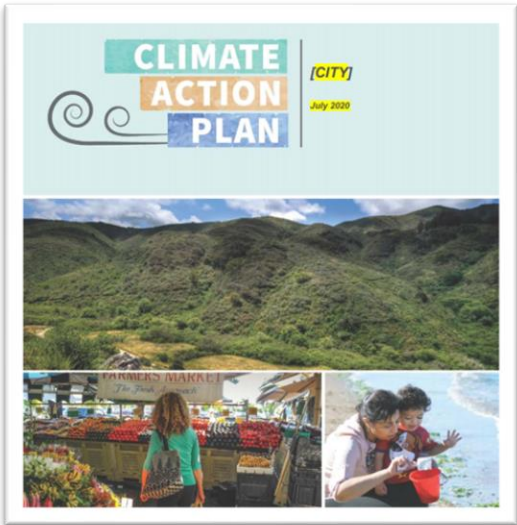
Countywide Support for Climate Action Planning



Launched
in 2011



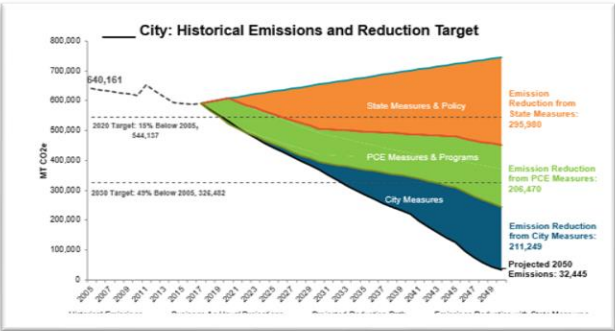
Monthly Working Group



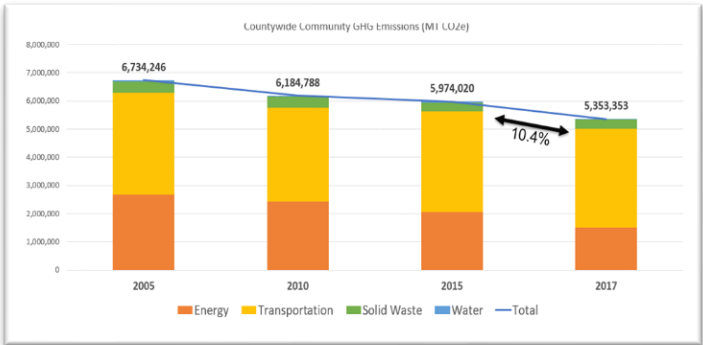
Blueprint Climate
Action Framework

Approach	Category	Emissions Impact					Activity Data Impact					Prioritization		Implementation Measures		
		2008 Emissions Inventory (MTCO ₂ e)	2018 Emissions Inventory (MTCO ₂ e)	2018 Emissions Inventory (MTCO ₂ e)	2018 Emissions Inventory (MTCO ₂ e)	2018 Emissions Inventory (MTCO ₂ e)	2018 Emissions Inventory (MTCO ₂ e)	2018 Emissions Inventory (MTCO ₂ e)	2018 Emissions Inventory (MTCO ₂ e)	2018 Emissions Inventory (MTCO ₂ e)	2018 Emissions Inventory (MTCO ₂ e)	Measure Prioritization Score (0-5)	Measure Prioritization Score (0-5)	Capital Cost (\$M)	Implementation Measure	Capital Cost (\$M)
Capital Improvements	Yes	485	95,200	10,000								5.0	Yes	Low	Land Use	\$50,000
Development Policy	Yes	142			4,362,076							5.0	No			
Development Policy	Yes	1,000			1,762,075							5.0	No			
Development Policy	Yes	251			1,075,000							5.0	No			
Development Policy	Yes	5,000			10,000,000							5.0	No			
Development Policy	Yes	48			4,000							5.0	No			
Development Policy	Yes	400			1,700,000							5.0	No			
Development Policy	Yes	7			10,000							5.0	No			
Development Policy	Yes	10,000	10,000,000									5.0	NA			

Menu of Measures



Forecasting Tool



Community GHG Inventories

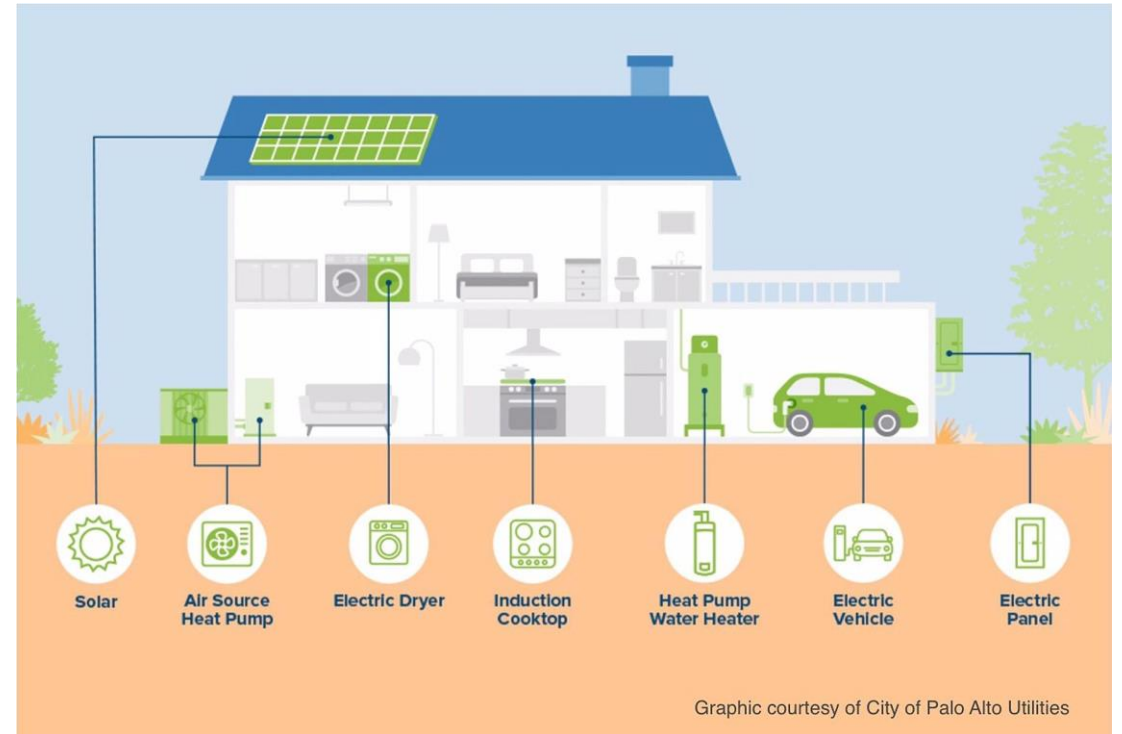


Why is Building Electrification Important

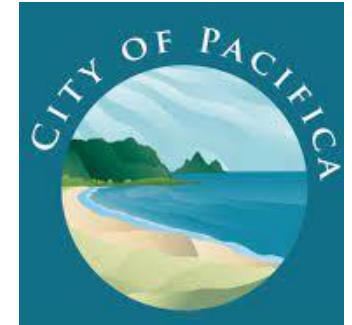
- Peninsula Clean Energy provides clean electricity
 - (100% carbon free)
- Electrifying buildings is critical in reaching climate goals
- Significant resilience and public health benefits

Reach Codes

- New Construction Reach Code
- Existing Building Reach Code



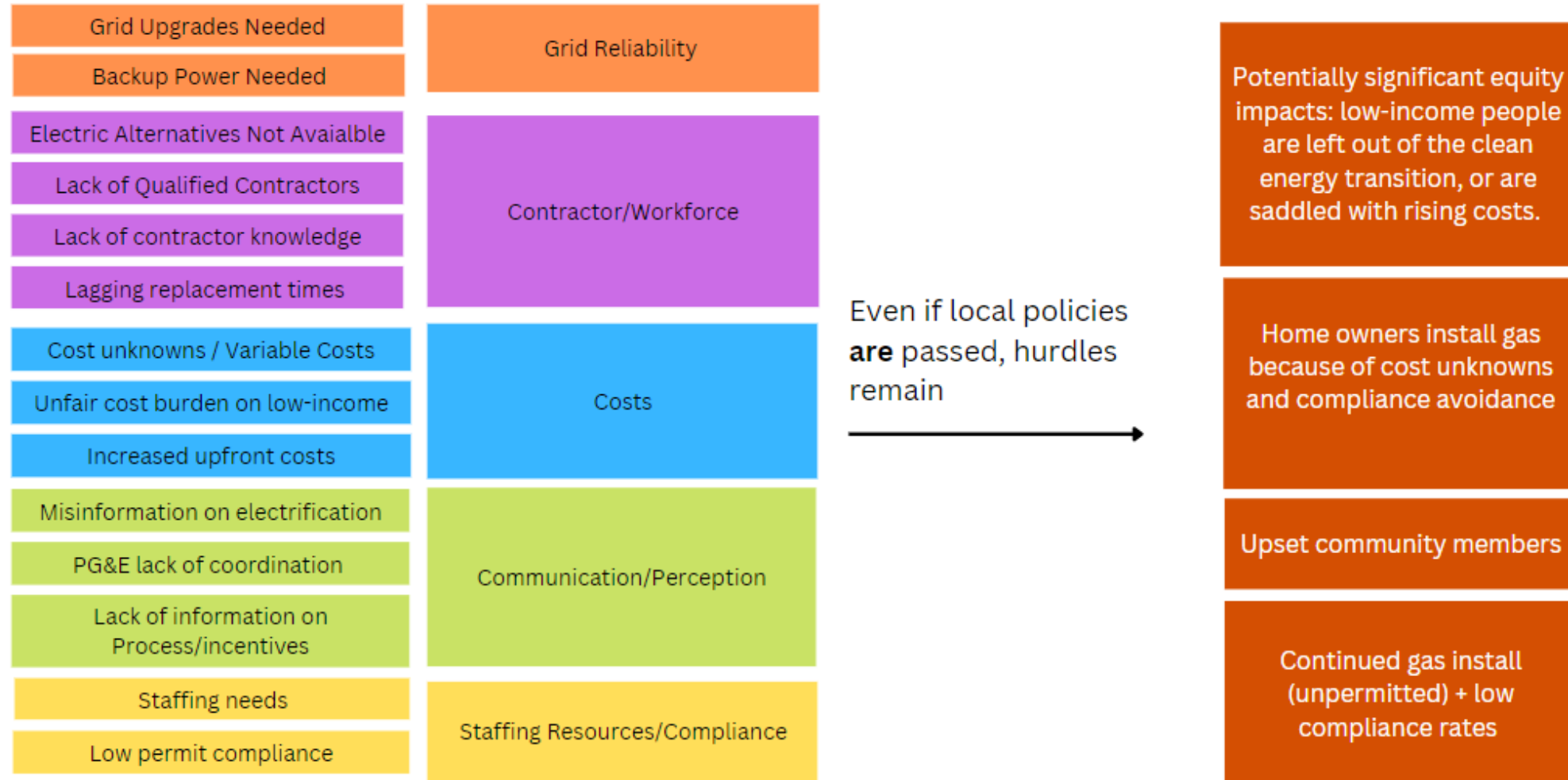
Reach Codes



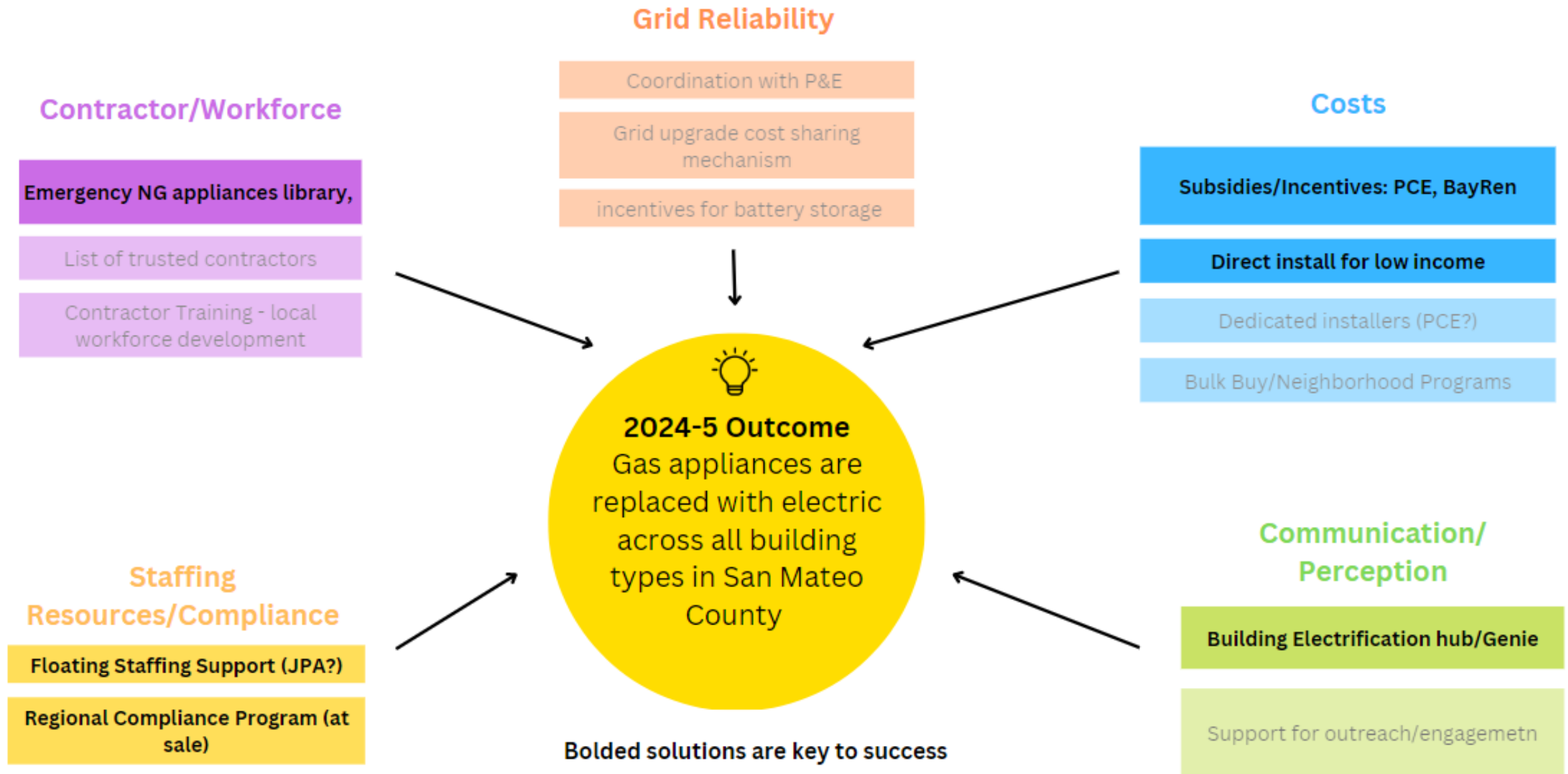
Reach Codes

Hurdle >> Outcome Map

Hurdles block the strategy outcome needed for existing building electrification



Hurdles >> Solutions



Solutions were sourced from Cities during last RICAPS meeting

Current Programmatic Resources



Local Governments Empowering Our Communities



BUILDING
DECARBONIZATION
COALITION



PENINSULA
CLEAN ENERGY



TECH CLEAN
CALIFORNIA



THE SWITCH IS ON



SAN MATEO COUNTY
ENERGY WATCH

Inflation Reduction Act

Lowering Costs for Americans, Tackling Climate Change, and Reducing our Deficit

Training and Resources for Staff

- BayREN Trainings
- Peninsula Clean Energy

The screenshot displays a web interface for 'Events & Training'. At the top, there's a header with the title 'Events & Training' in green. Below it, a 'Refine:' section includes a dropdown menu set to 'Building Department Staff', another dropdown for '- Type -', and a search bar. A tag 'Building Department Staff' with an 'x' to remove it is shown below the dropdowns. A row of four buttons follows: 'Upcoming' (light blue), 'Past' (teal), 'Search by Date' (green), and 'On Demand' (dark blue). The main content area features a 'TRAINING' tag and a date badge for 'MAR 01'. The event title is 'BayREN and Energy Code Ace C&S Training: 2022 Single-family Standards, HERS-Verified Quality Insulation Installation (QII)'. The date and time are 'Wed, 03/01/2023' from '9 a.m. - 10:30 a.m.'. A 'Register' button with an external link icon is at the bottom. To the right, it specifies the event is 'Online' and lists 'TOPICS' as 'QII, CF1R, HERS, Energy Code' and 'AUDIENCE' as 'Building Department Staff, Building Professionals, Contractors'.

» Events & Training

Refine:

Building Department Staff ▾ - Type - ▾

Building Department Staff x

Upcoming Past Search by Date On Demand

TRAINING

MAR 01

BayREN and Energy Code Ace C&S Training: 2022 Single-family Standards, HERS-Verified Quality Insulation Installation (QII)

Wed, 03/01/2023
9 a.m. - 10:30 a.m.

Register ↗

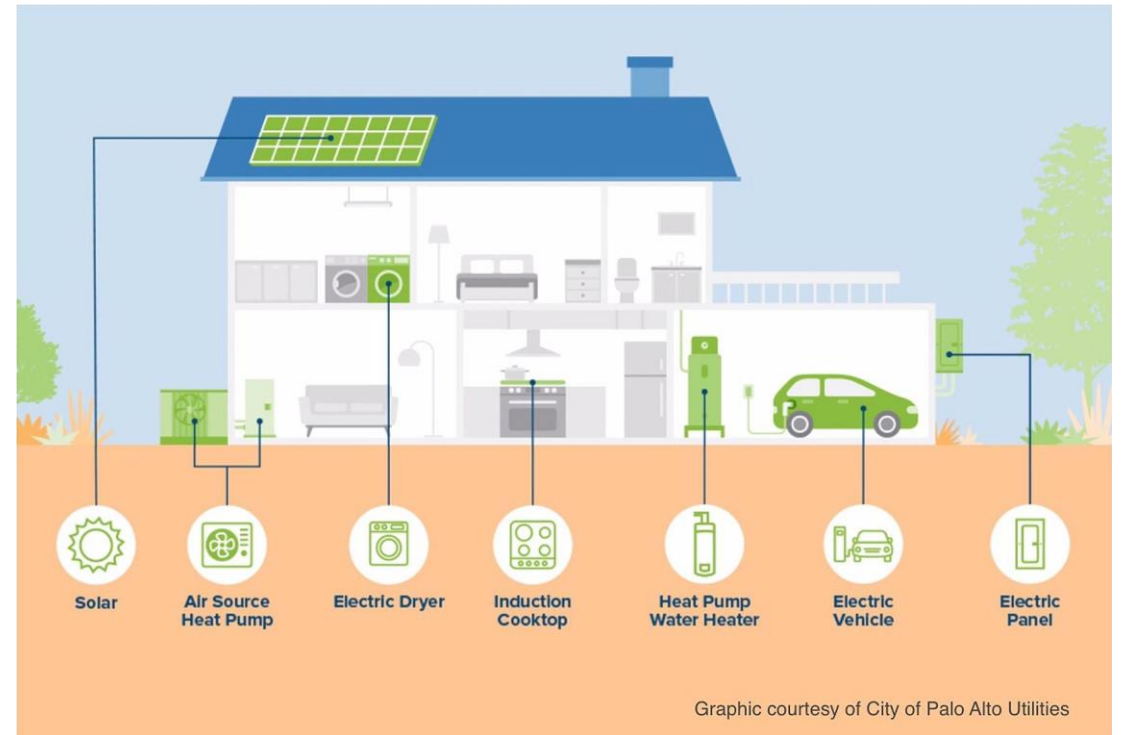
Online

TOPICS
[QII](#), [CF1R](#), [HERS](#), [Energy Code](#)

AUDIENCE
Building Department Staff
Building Professionals
Contractors

OOS Initiatives

- Single Family Case Studies
- Naturally Occurring Affordable Housing Pilot
- Home Electrification Listening Session for Real Estate Professionals



Next Steps

- What experience do you have with this topic?
- What aspects of this topic would you like to learn more about?
- Would you like to participate in a follow up conversation to learn more or contribute feedback to proposed solutions?



THANK YOU!

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