



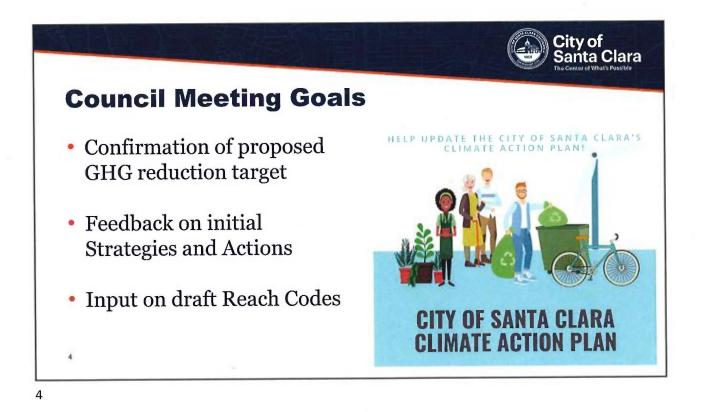
#### Background

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#### Why the Update?

- Address new State requirements
- Extend City's GHG reduction goals through 2030, consistent with AB32 targets
- Qualified CAP provides CEQA streamlining benefits

CITY OF SANTA CLARA **Climate Action Plan Update** 





## **Consulting Team**

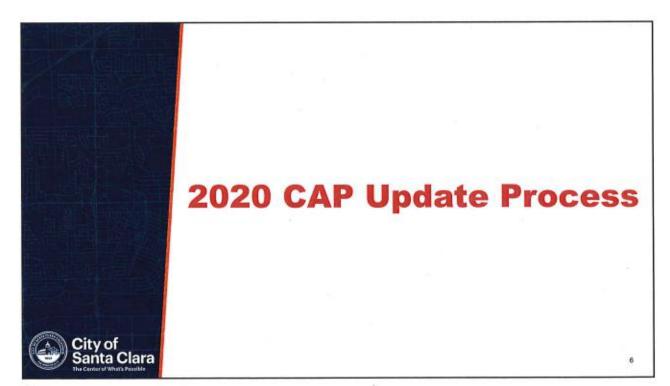
Firm

#### Project management Cascadia Consulting Group | Andrea Martin . . Women-owned firm empowering clients to direct their own evaluation progress toward sustainability, resource conservation, climate resilience, low impact development, and waste reduction goals. Raimi + Associates | Walker Wells forecasting Mission-driven planning, urban design, policy, and research Target setting firm providing a range of consulting services that support Public engagement . healthy, sustainable, and equitable communities. David J. Powers & Associates | Shannon George **CEQA** lead

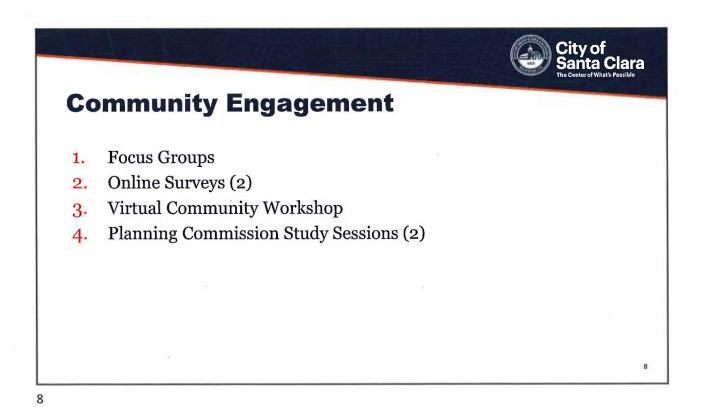
Environmental planners specializing in providing comprehensive environmental consulting and impact analysis services.

## **Project Role**

- Strategy development and
- Implementation planning
- Climate Action Plan drafting
- Greenhouse gas emissions









- Reduce vehicle miles travelled.
- Promote electric vehicles. .
- Improve transportation network for cyclists and pedestrians.
- Improve regional mobility and mobility options.
- Promote voluntary/incentive-based measures.

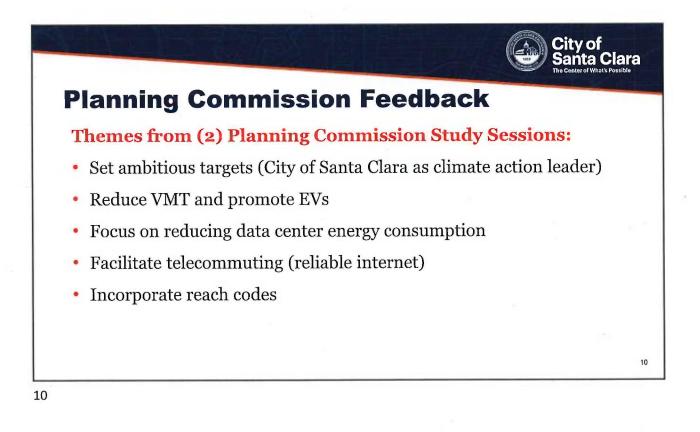


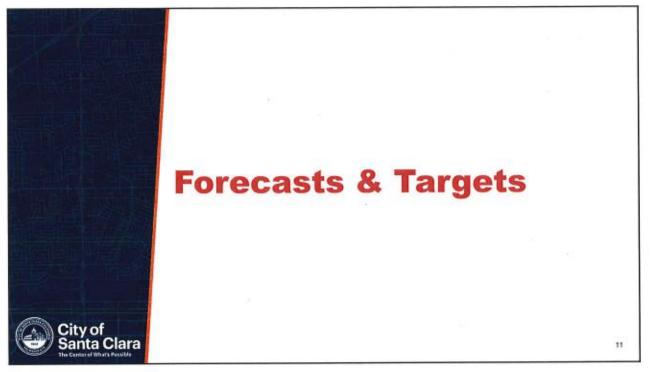
Threats

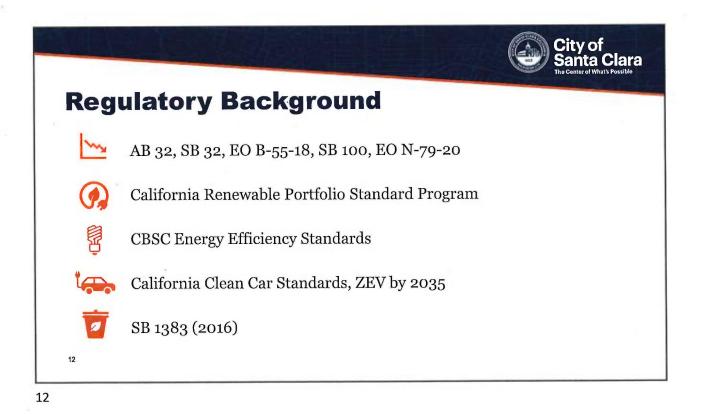
**Barriers** 

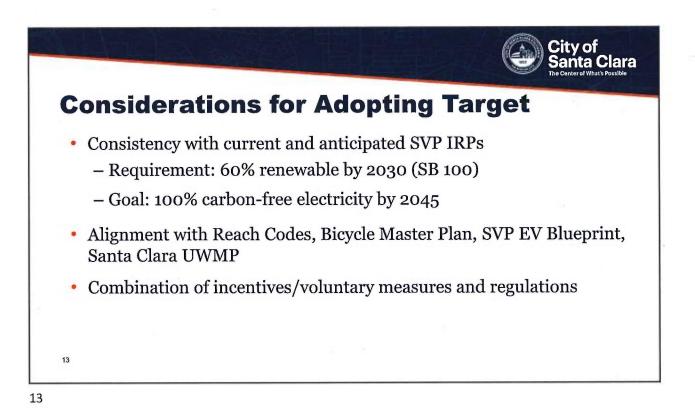
Goals

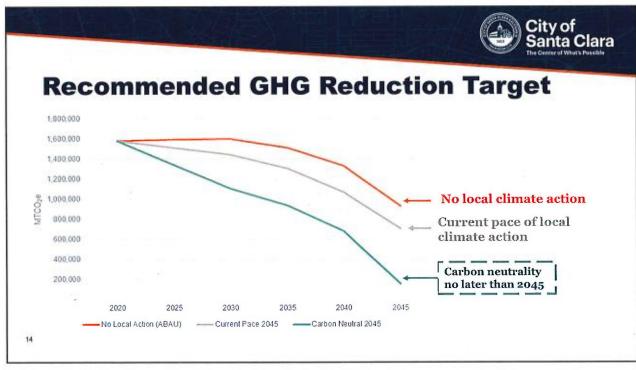
Actions

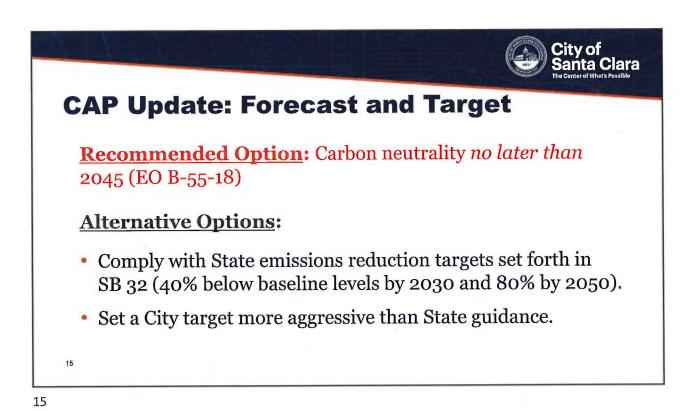


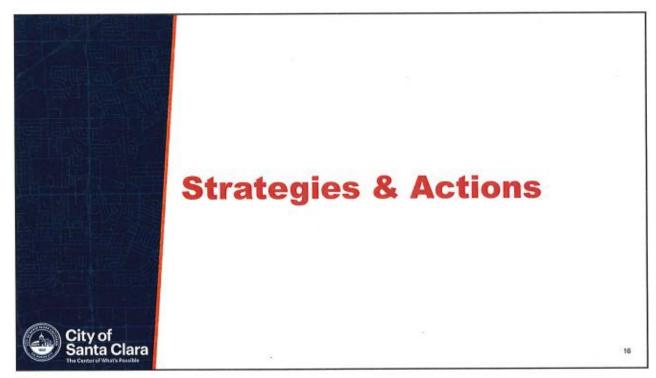


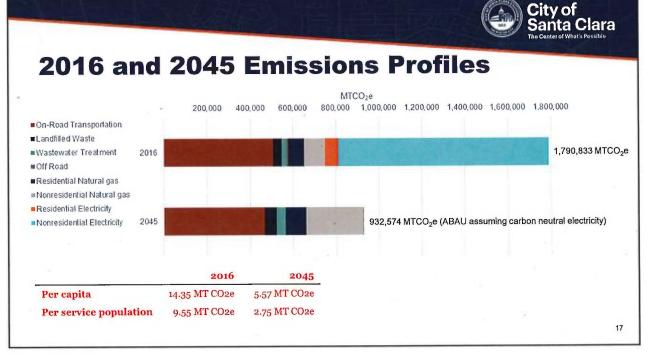




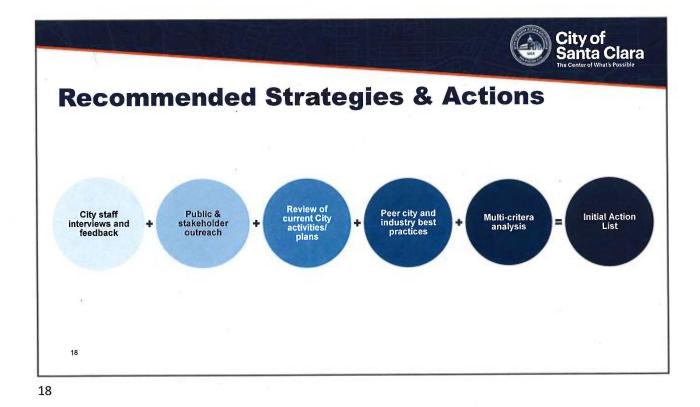








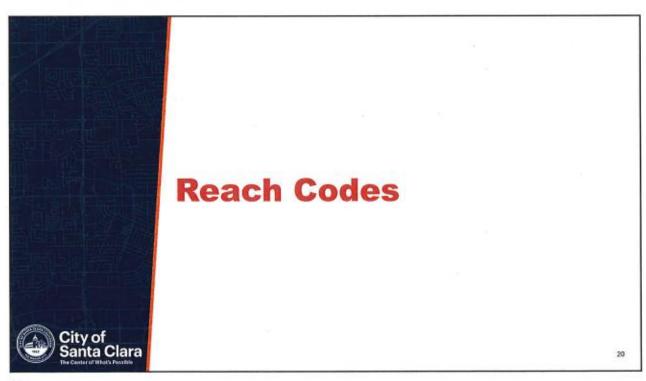






# **Recommended Strategies**

<ul> <li>Shift to electric fuels in new and existing buildings to achieve zero-net carbon buildings</li> <li>Manage energy demand and improve energy efficiency</li> <li>Maximize renewable energy generation and storage capacity</li> </ul>
<ul> <li>Transition vehicles to electric alternatives</li> <li>Expand use of non-SOV transportation modes</li> <li>Advance sustainable land use</li> </ul>
<ul> <li>Increase waste diversion</li> <li>Reduce landfilled food waste</li> <li>Enhance sustainable production and consumption</li> </ul>
<ul> <li>Increase tree canopy cover</li> <li>Enhance ecosystem resilience</li> <li>Improve water supply &amp; conservation</li> </ul>
<ul> <li>Improve community resilience</li> <li>Prepare for climate change</li> </ul>



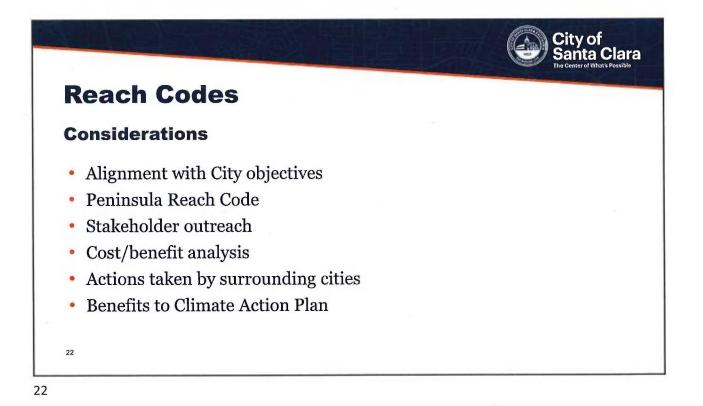


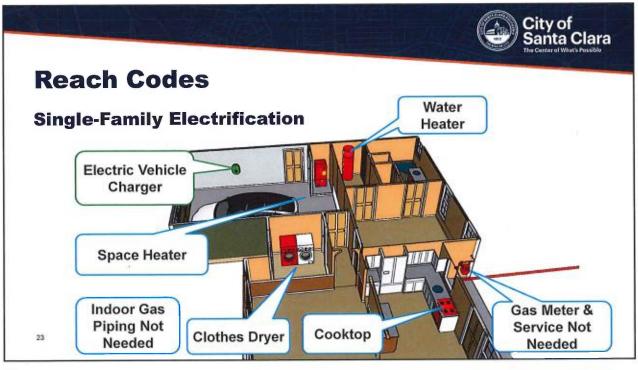
#### **Reach Codes**

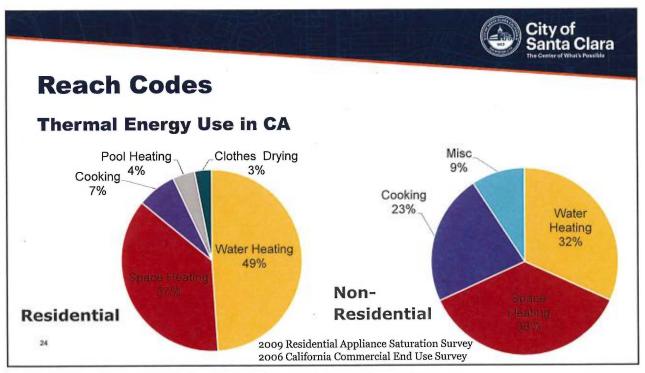
#### Background

- Locally adopted Building Codes that exceed State standards
- Implementation Tool for Climate Action Plan
- Address electrification of new construction:
  - Buildings
  - Transportation electric vehicle (EV) charging infrastructure

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# **Reach Codes**

#### **Options for New Construction**

Code Type	How it Works
Natural Gas Ban*	No gas hookup allowed (via Land Use Code)
All-Electric Required*	Appliances must be electric (via Energy Code)
All-Electric Preferred	<ul> <li>Allows mixed-fuel buildings with high energy performance:</li> <li>additional energy efficiency measures</li> <li>battery storage</li> <li>electric-ready (pre-wiring)</li> </ul>
	* Exceptions where necessary

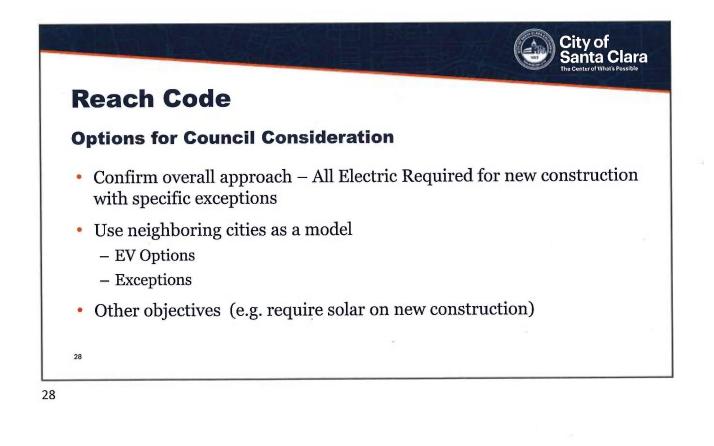
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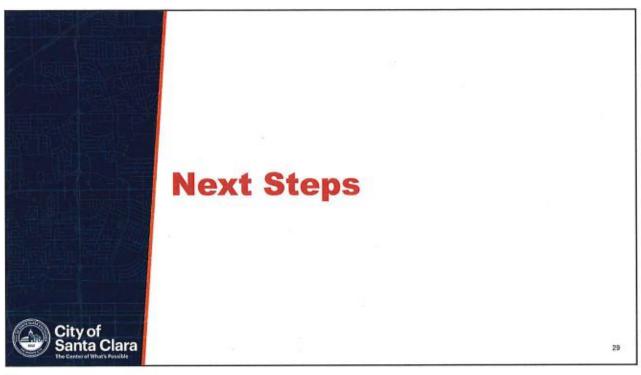
Туре	Single Family	Multifamily <20 parking spaces	Multifamily >20 parking spaces	Office Building	Other Commercial
EV Installed	1997	Contraction of the second		10% of spaces	6% of spaces
EV Ready (Level 2)	1 space	1 space	25% of spaces		5% of spaces
EV Ready (Level 1)	1 space		75% of spaces	10% of spaces	
EV Capable				30% of spaces	

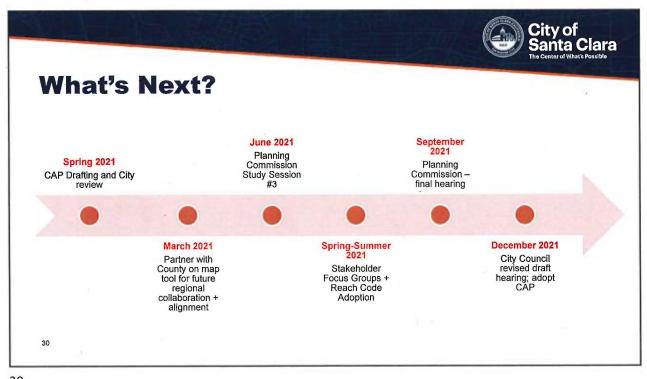


## **Reach Code Adoption Status**

Jurisdiction	Reach Code Type						
	No Reach	Electric Preferred	All-Electric*	Natural Gas Bans*	EV Infrastructure		
Campbell			X (Res)		Х		
Cupertino			X		Х		
Gilroy	Х						
Los Altos			Х				
Los Altos Hills			X (Res)				
Los Gatos			X (Res)		Х		
Milpitas		Х			Х		
Morgan Hill				Х			
Mountain View			Х		Х		
Palo Alto		X (NonRes)	X (Res)		Х		
San Jose				Х	Х		
Saratoga			х				
Sunnyvale			х				









## **Discussion:**

- **Confirm** the proposed emissions reduction target
- **Provide feedback** on the initial actions list
- **Provide input** on draft Reach Codes (as they relate to CAP)

Santa Clara GHG Emissions 2020-2045 1,800,000 1,600,000 1,400,000 1,200,000 1,000,000 MTCO2e 800,000 600,000 400,000 200,000 2045 2040 2020 2025 2030 2035 Carbon Neutral 2045 No Local Action (ABAU) - Current Pace 2045

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