



Sunnyvale

Climate Action Playbook Quarterly Update

Presentation to Sustainability Commission

February 18, 2020



Overview

- Citywide CAP Implementation Team
- GHG Emissions Inventories – 2017 and 2018
- Initiatives Underway

Climate Action Playbook Recap

- Adopted August 2019
- Targets
 - ◆ 56% by 2030
 - ◆ 80% by 2050
- CAP Budget
 - ◆ Staffing
 - ◆ Infrastructure/capital improvements
 - ◆ Consultant support for research/implementation

Playbook Strategies

- 1 Promoting Clean Electricity 
- 2 Decarbonizing Buildings 
- 3 Decarbonizing Transportation & Sustainable Land Use 
- 4 Managing Resources Sustainably 
- 5 Empowering Our Community 
- 6 Adapting to a Changing Climate 



Citywide CAP Implementation Team

Citywide CAP Implementation Team

- Approach: Incorporate CAP into city operations, policies, and programs
- Kickoff December 2019:
 - ◆ CAP as an Council Priority
 - ◆ Established standards for reporting and data collection
 - ◆ Developing protocols for metrics
 - ◆ Ongoing meetings for coordination



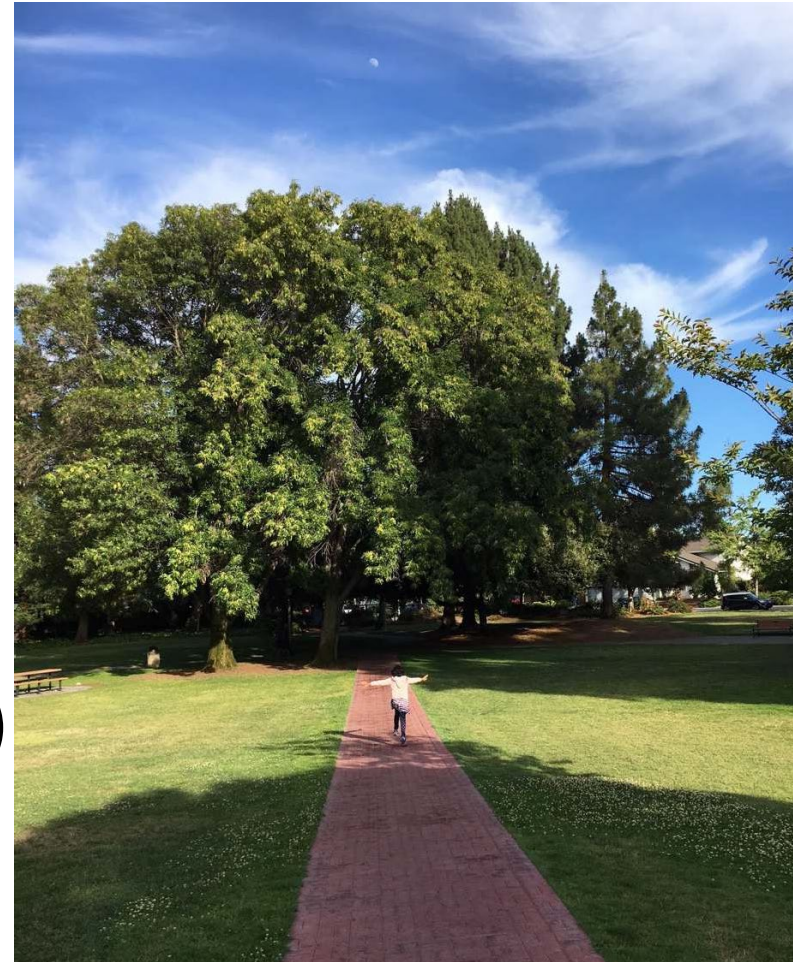
Players

- Key Departments:
 - ◆ ESD
 - ◆ DPW
 - ◆ CDD
- Key staff:
 - ◆ Assistant Directors
 - ◆ Division Managers
 - ◆ Program Managers
 - ◆ Project Managers and Specialists



Progress Reporting

- GHG Inventories – March 2020
- Scorecard 2019 in fall 2020
 - ◆ GHG inventory
 - ◆ CAP implementation
- Quarterly Updates to Commission (next May 2020)
- Status updates on City Top 30 Projects Page



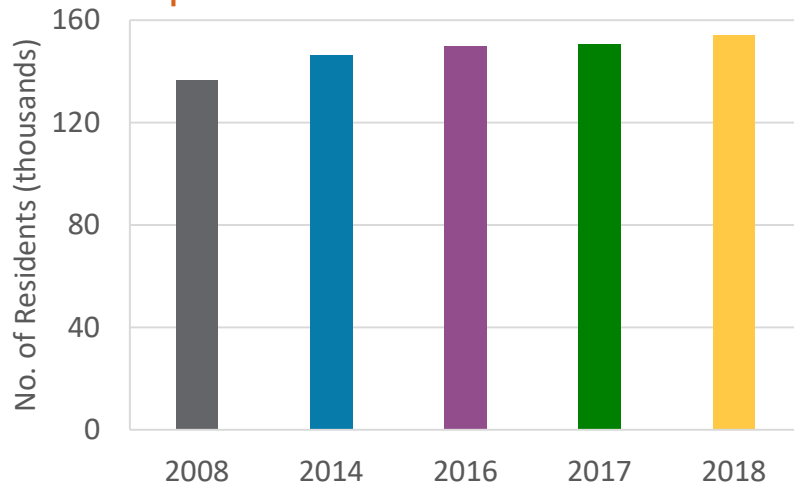


Annual GHG Inventory Updates for 2017 and 2018

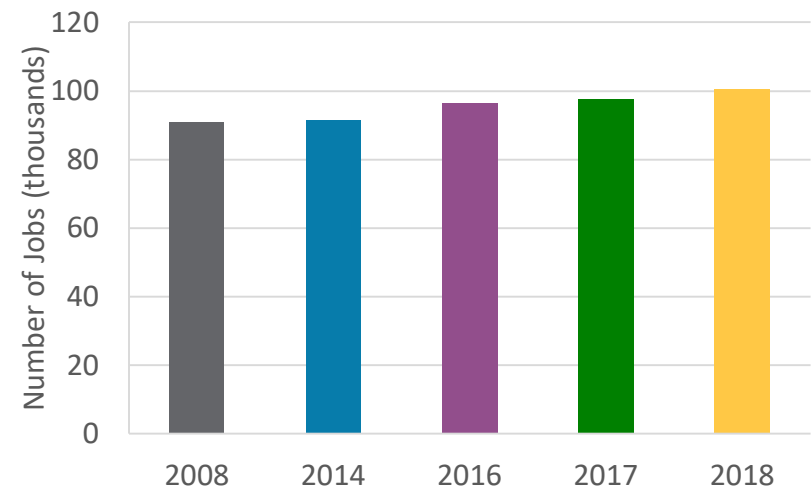
CAP Move 5.H

Context for Understanding GHG Emissions Trends

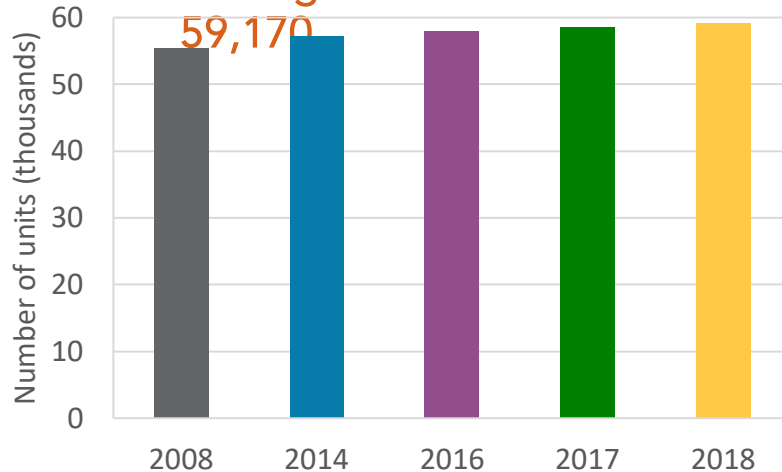
2018 Population: 153,900



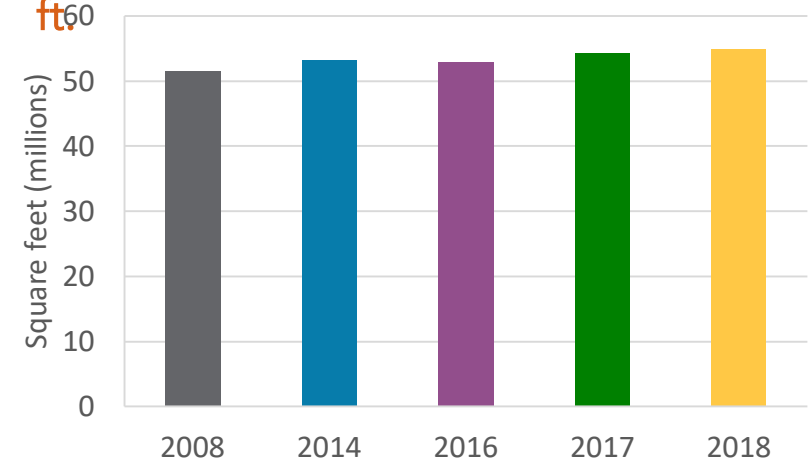
2018 Jobs: 100,370



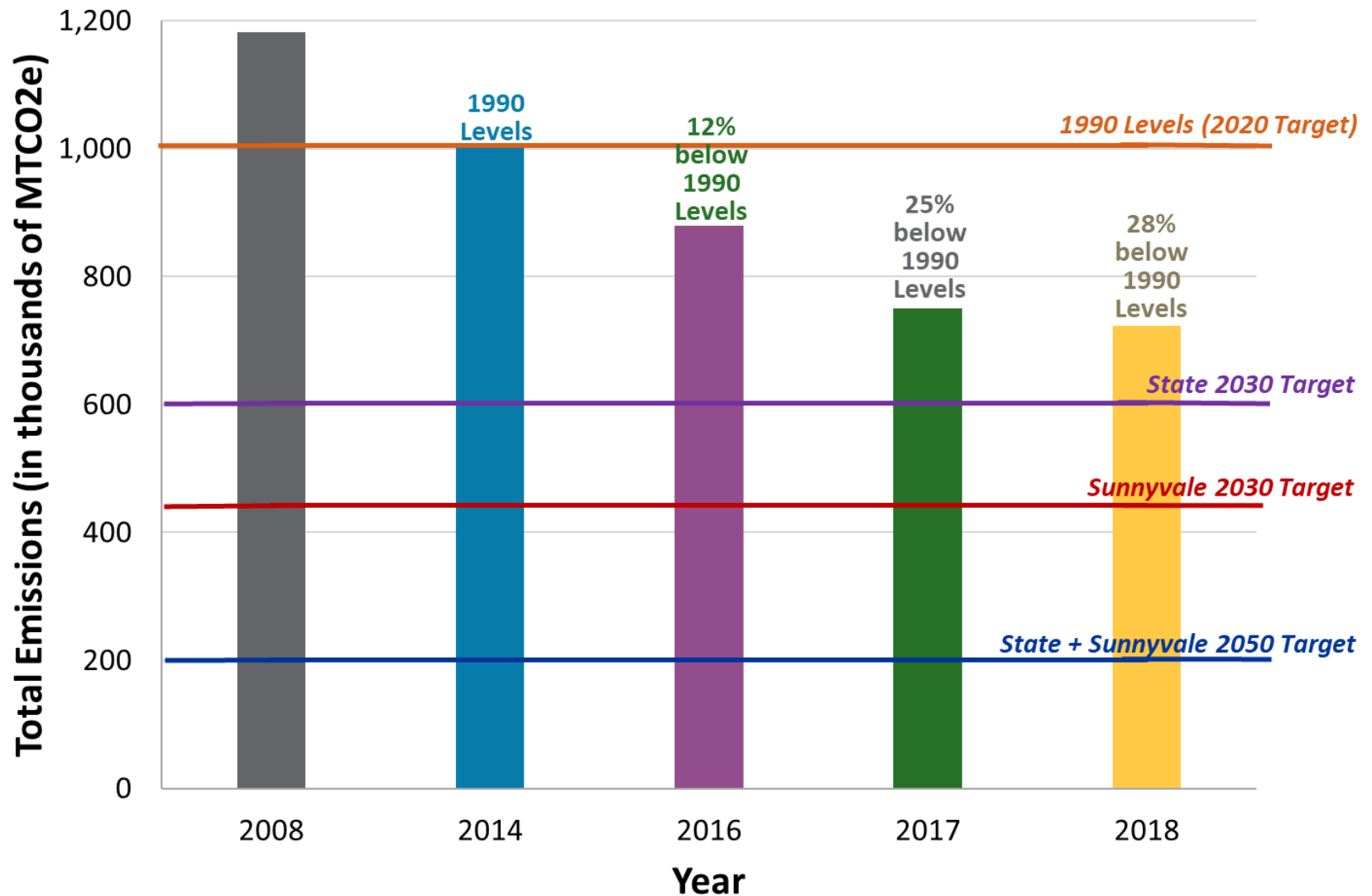
2018 Housing Units: 59,170



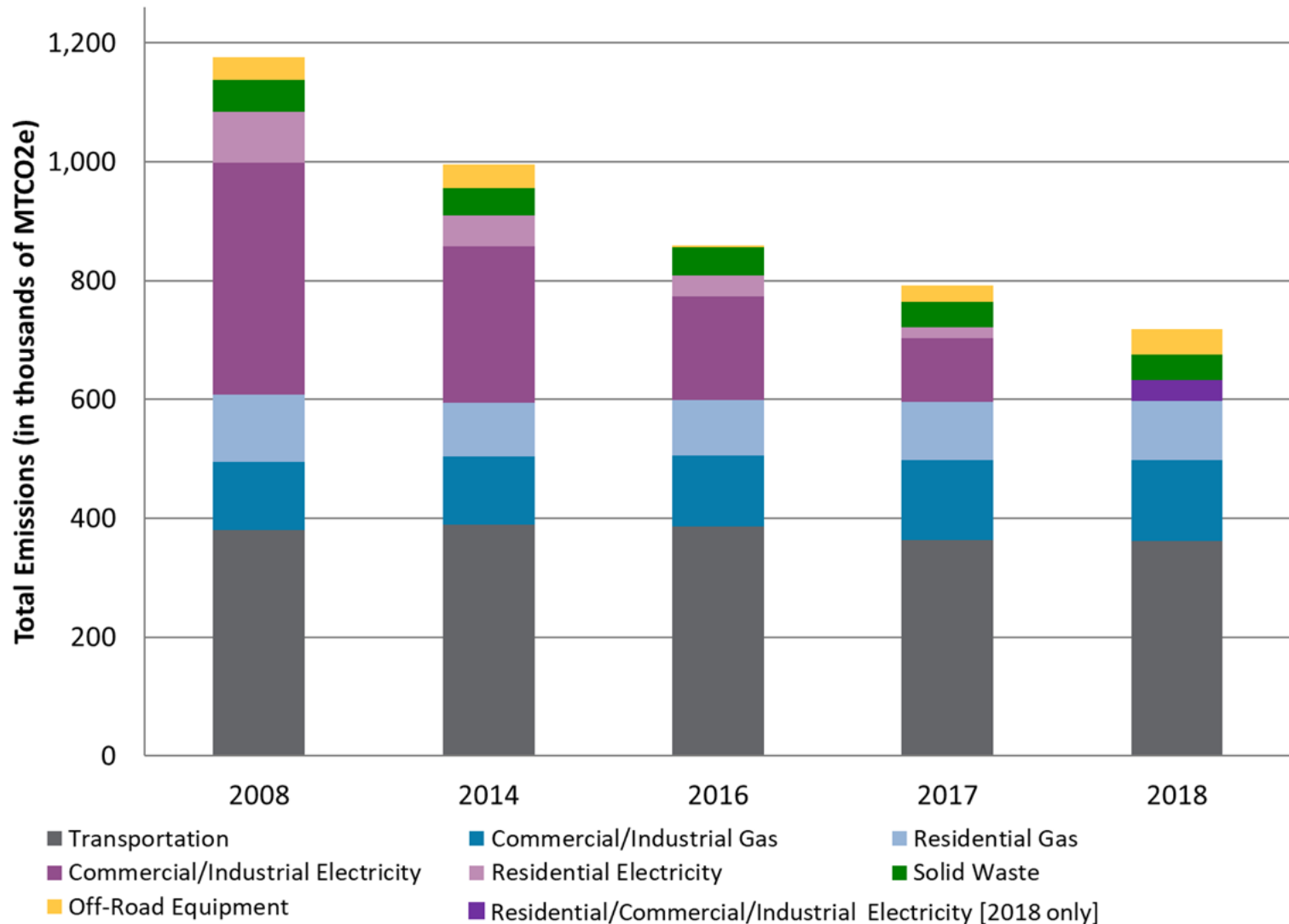
2018 Commercial Space: ~55 million sq. ft.



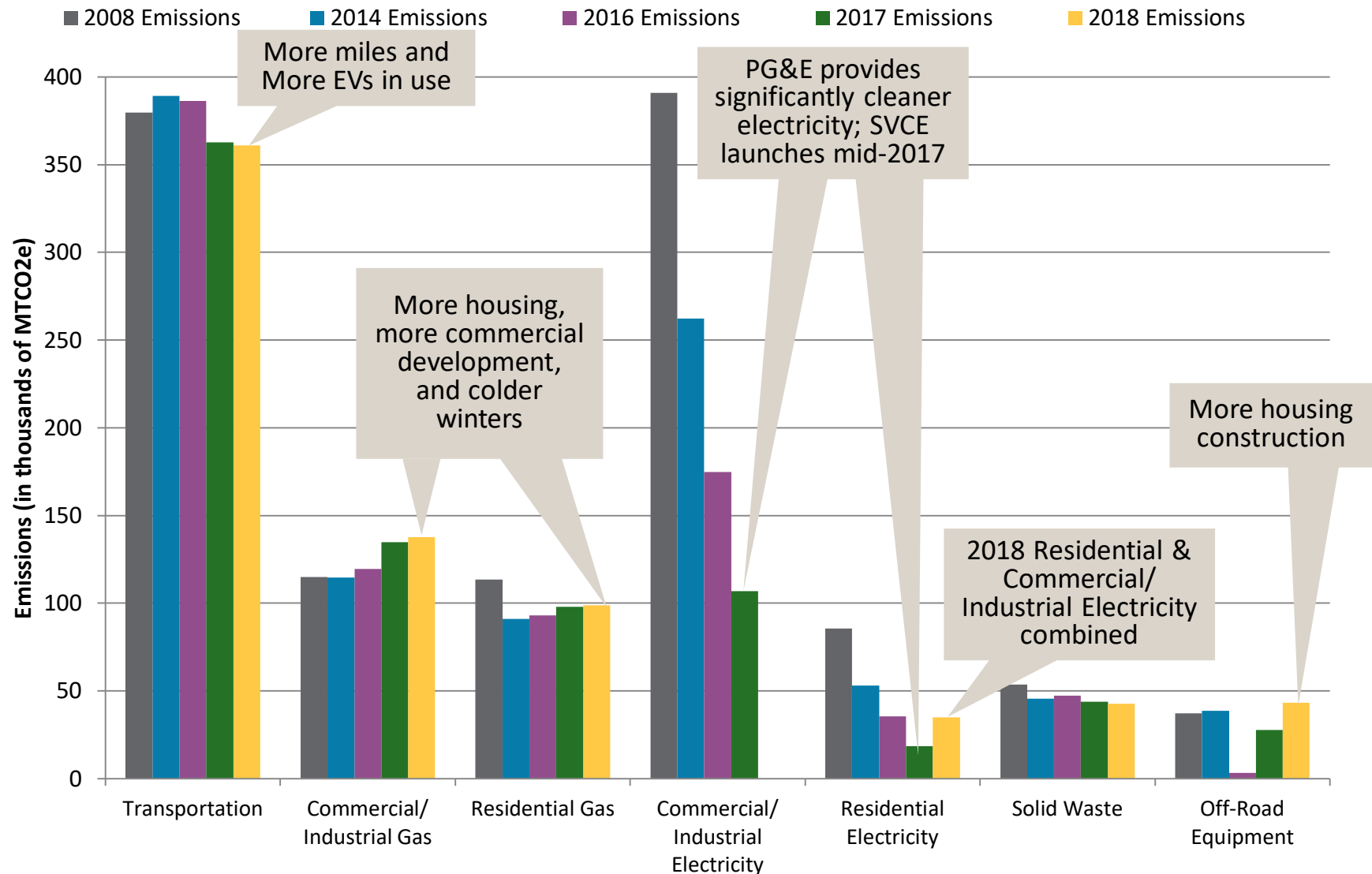
Total Emissions by Year



Emissions By Sector and Year



Sector-by-Sector Comparison





CAP Implementation Updates

Initiatives Underway

Strategy 2: Decarbonizing Buildings

Play 2.2

- **Move 2.D:** All-Electric New City Buildings
 - ◆ WPCP Cleanwater Center
 - ◆ City Hall
- **Move 2.C:** All-Electric Technology
 - ◆ SVCE heat pump water heater pilot
 - ◆ Induction cooktop loaner program (April 2020)



Edwina Benner Plaza, first all-electric multi-family residential development in Sunnyvale.

Play 2.3

- **Move 2.E:** Streamlining Electrification
 - ◆ Green Building
 - ◆ Reach Codes

Reach Code Schedule



JAN 2020 **Selection of Study Options**



FEB 2020 **Cost Effectiveness Study**



MAR 2020 **Stakeholder Input**



APR 2020 **Draft Code Amendments**



MAY 2020 **Council Action**



JUL 2020 **Effective Date of Reach Code**

Initiatives Underway

Strategy 3: Decarbonizing Transportation & Sustainable Land Use

Play 3.3

- **Move 3.K: Community EV Education**
 - ◆ Speaker Series event (Nov. 2019)
 - ◆ Dedicated program (May 2020)
- **Move 3.J: EV Charging Infrastructure**
 - ◆ Leverage SVCE/State funding
 - ◆ Priority zones for public charging
 - ◆ Charging coming to Corps Yard and New Civic Center
- **Move 3.L: City Fleet**
 - ◆ Replace 16 vehicles with EVs in 3 years



Electric vehicle expo at Sustainability Speaker Series, November 2019.

Initiatives Underway

Strategy 3: Decarbonizing Transportation & Sustainable Land Use

Play 3.2

- **Move 3.E: Active Transportation Plan**
 - ◆ Ongoing community engagement
 - ◆ Launch Spring 2020
- **Move 3.C: Transportation Demand Management**
 - ◆ Hiring Transportation Planner
 - ◆ Program improvements, monitoring, reporting



Initiatives Underway

Strategy 4: Managing Resources Sustainably

Play 4.1

- **Move 4.A: Food Cycle Program**
 - ◆ Expansion to additional customers
 - ◆ Food processing at WPCP
- **Move 4.B: Processing Improvements**
 - ◆ Mandatory organics diversion
 - ◆ NextGen SMaRT Station®



Initiatives Underway

Strategy 5: Empowering Our Community

Play 5.1

- **Move 5.A:** Grassroots engagement
 - ◆ Peer-to-peer program
- **Move 5.B:** Online resources
 - ◆ SVCE's Customer Resource Center (April 2020)
- **Move 5.D:** Sustainability Speaker Series
- **Move 5.C:** Social media engagement



Gourmet Earth Day 2020



- Induction Cooking Demos
- Zero Waste Cooking
- FoodCycle, Food Rescue, Composting
- Recipe for Electrifying Your Home
- Bike Rodeo