



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 



Sunnyvale

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



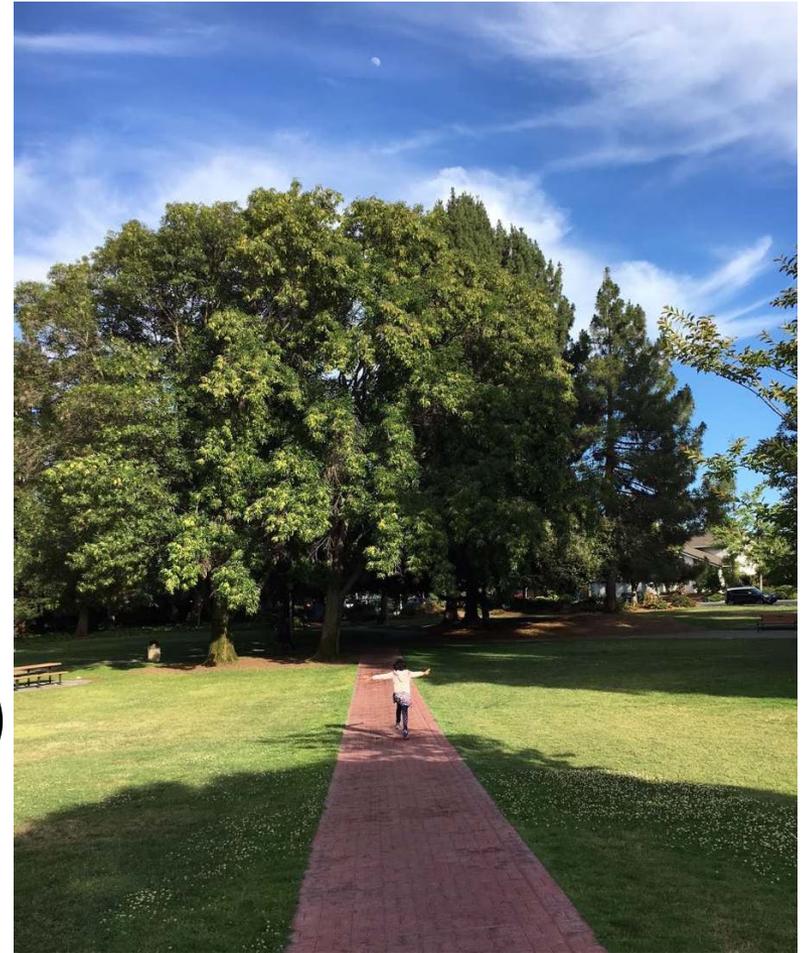
Players

- 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





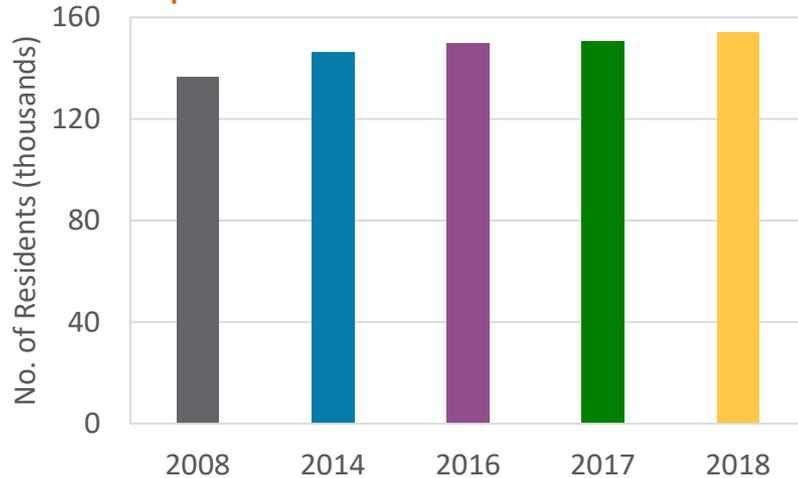
Sunnyvale

Annual GHG Inventory Updates for 2017 and 2018

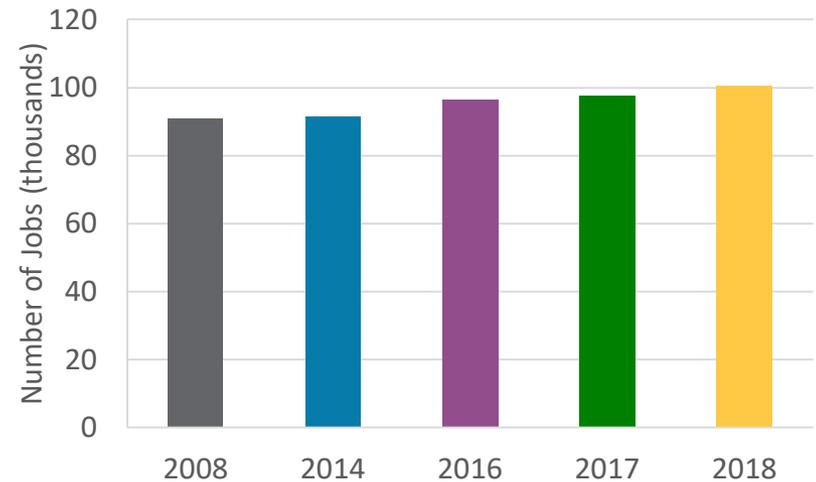
CAP Move 5.H

Context for Understanding GHG Emissions Trends

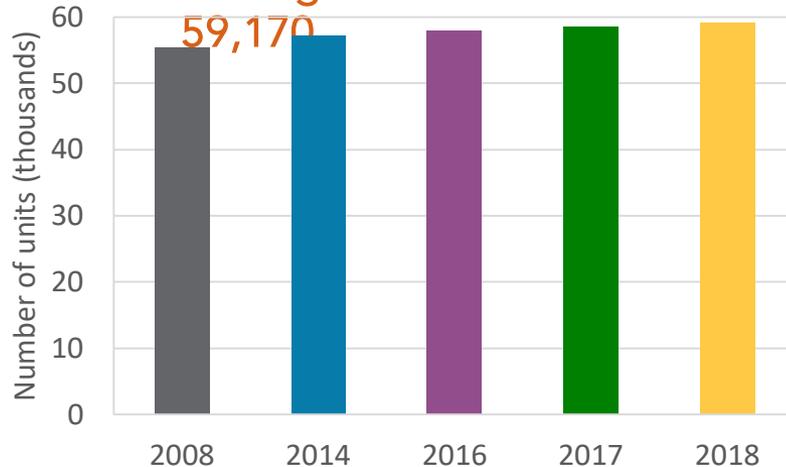
2018 Population: 153,900



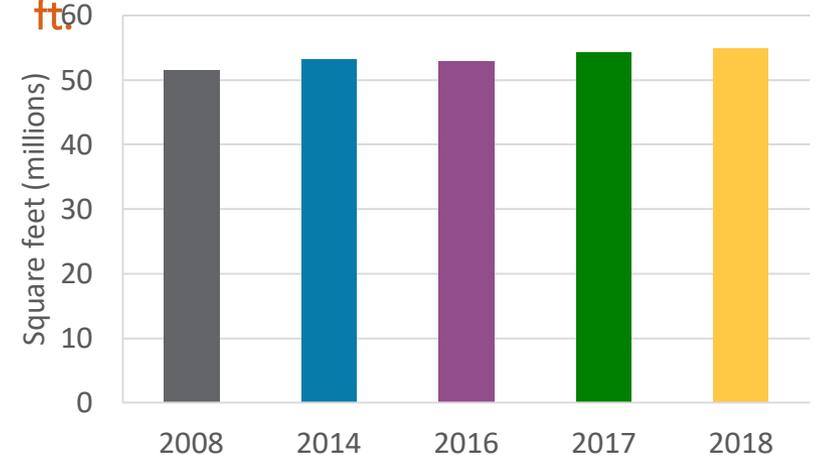
2018 Jobs: 100,370



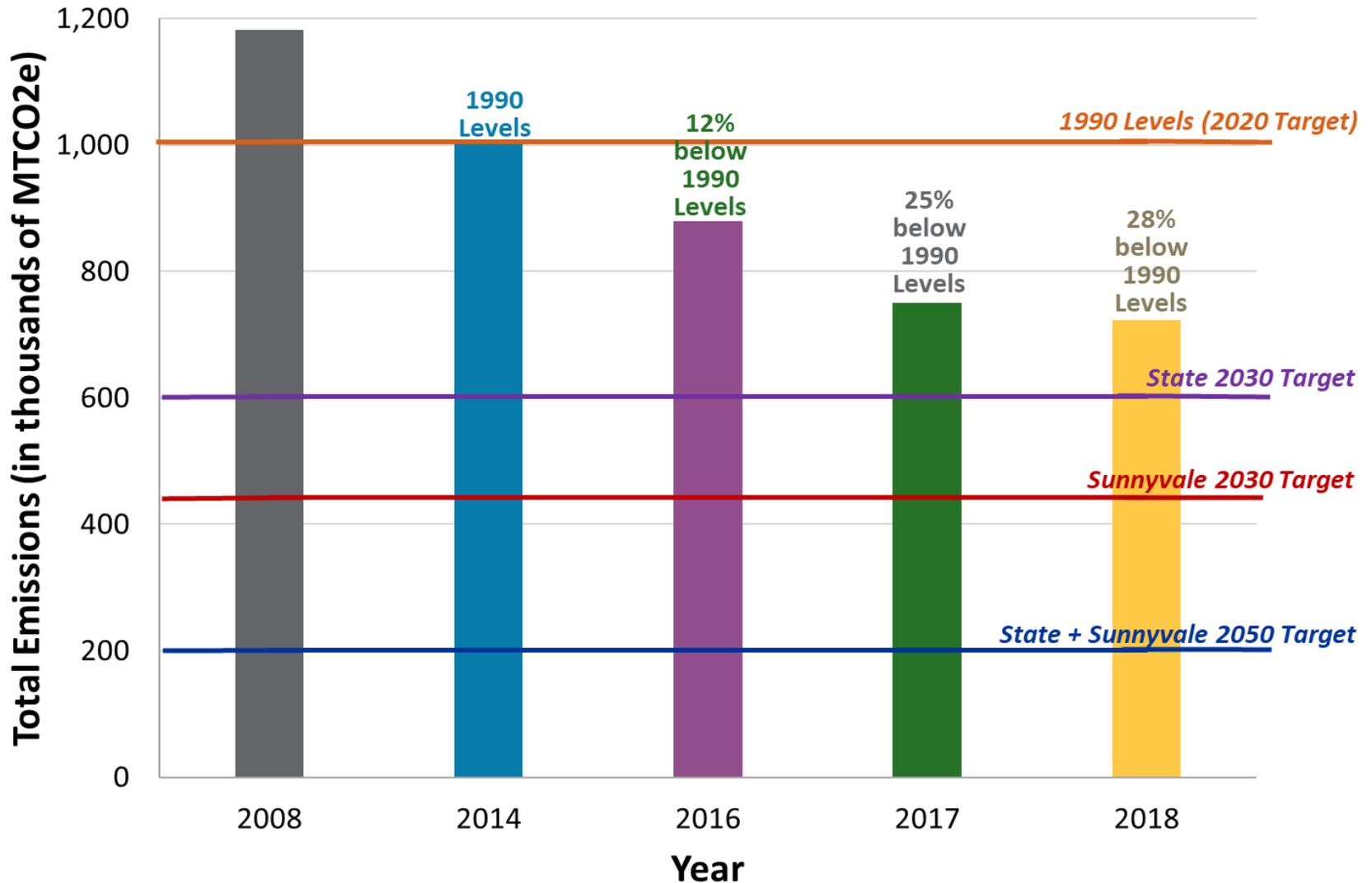
2018 Housing Units: 59,170



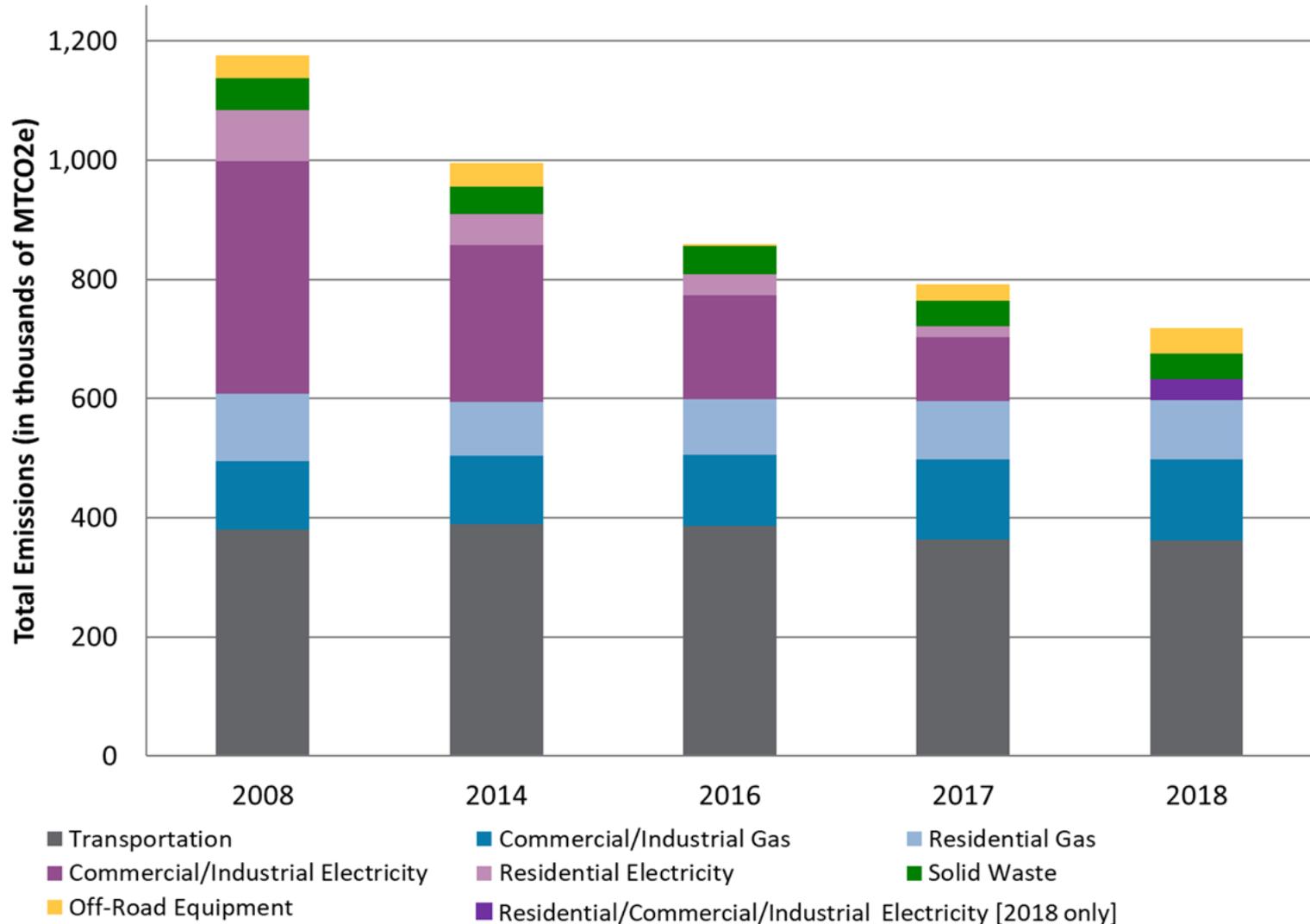
2018 Commercial Space: ~55 million sq. ft.



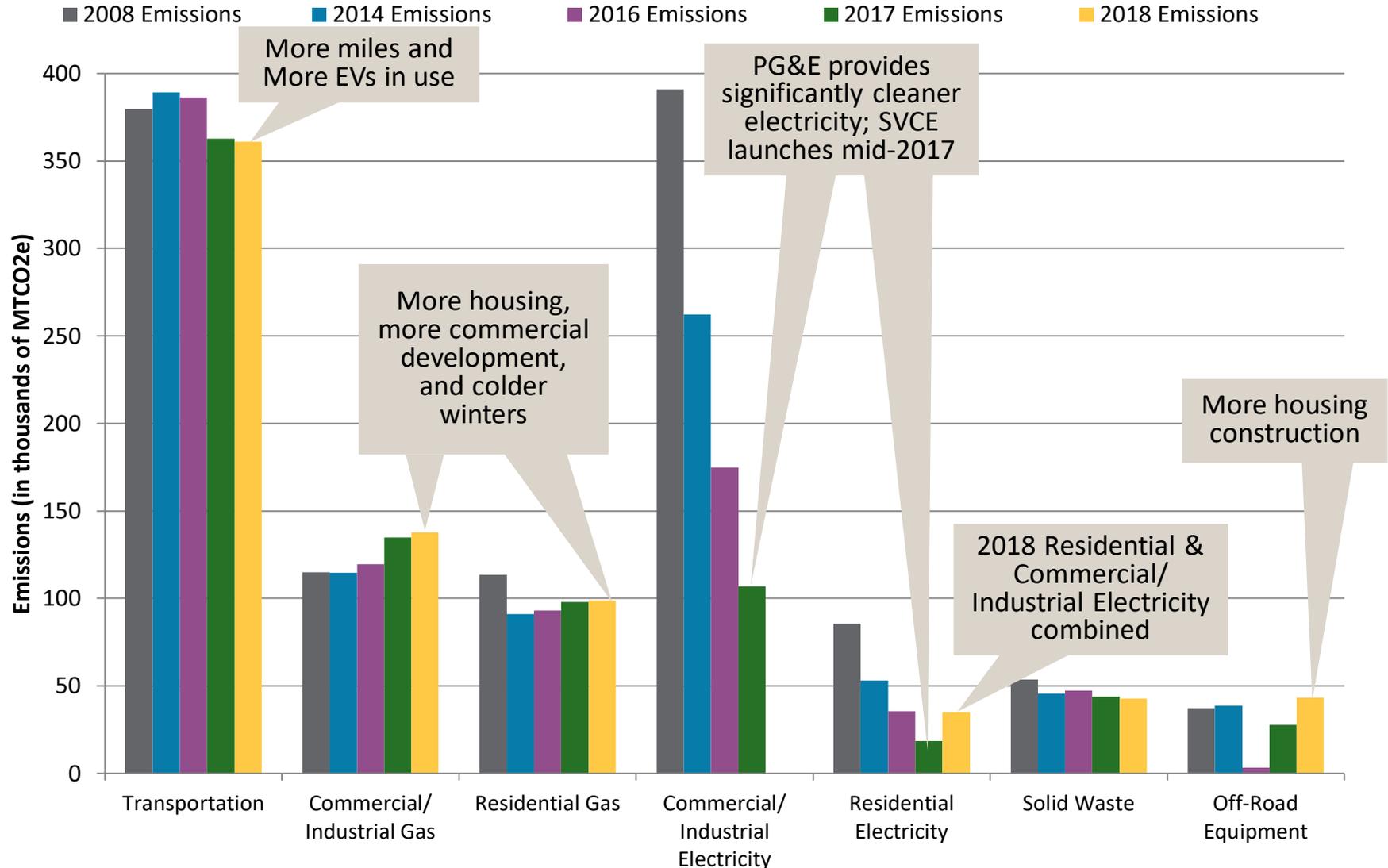
Total Emissions by Year



Emissions By Sector and Year



Sector-by-Sector Comparison





Sunnyvale

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