Chapter 9 Update of the Environment Code
Background on Chapter 9 Legislation
Chapter 9 Update. Why now?

- Climate Crisis – Unify the City
- Science based targets - Climate Action, Net Zero Carbon goals
- Enable the City’s next steps on Climate Action
- Opportunity to simplify and refine language
Development of Chapter 9
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Key Components of Chapter Nine Update

01. Updates San Francisco’s GHG Emission Reduction Targets & Climate Goals

02. Updates the Requirements for the Climate Action Plan

03. Updates the Roles and Responsibilities of City Departments

04. Removes “Enforcement” and adds “Monitoring, Evaluation, & Reporting”
GHG Emission Targets – Consumption Based

Emission per Household (mtCO2e/HH)

- 1990: 49.2
- 2015: 41.0
- 2030: 30
- 2050: 10

Targets:
- 2015: -17%
- 2030: -40%
- 2050: -80%
GHG Emission Targets

- 2030
  - 61% Sector Based
  - 40% Consumption Based

- 2045
  - Net Zero
    - 90% Sector Based

- 2050
  - 80% Consumption Based
By 2030, a reduction in the generation of solid waste of at least 15% below 2015 levels and a reduction in the amount of solid waste disposed of by incineration or deposit in landfill of at least 50% below 2015 levels.
Building Operations

By 2021, requiring zero onsite fossil fuel emissions from all new buildings, and by 2035, requiring zero onsite fossil fuel emissions from all large existing commercial buildings
By 2030, an increase in low-carbon trips to at least 80% of all trips and an increase of electrification of vehicles to at least 25% of all private vehicles and by 2040, an increase in the electrification of vehicles to 100% of all private vehicles.
By 2025, supplying 100% renewable electricity, and by 2045, supplying 100% renewable energy.
Building 5,000 new housing units per year, including 30% affordable units
Remaining carbon emission sequestered through ecosystem restoration, including increased urban tree canopy, green infrastructure, and compost application.
Climate Action Plan Requirements: Sectors

- Energy Supply
- Transportation & Land Use
- Housing
- Building Operations
- Responsible Production & Consumption
- Healthy Ecosystems
Climate Action Plan Requirements: Lenses

Racial & Social Equity

Economic Recovery & Just Transition

Health

Resilience
Update Roles and Responsibilities
Establish a monitoring and reporting process for the implementation of the CAP

- **Measure** and monitor sector-based GHG emissions

- **Evaluate** sector-based/Consumption GHG emissions against set targets

- **Coordinate** with other City agencies and stakeholders

- **Report** findings to the public
Chapter 9 vs Climate Action Plan vs MER

Chapter 9

- Targets & Goals
  - How do we make our vision concrete and measurable?
  - How high do we set the bar?

- Requirements & Responsibilities
  - What is the framework to meet our targets and goals?

Climate Action Plan

- Strategies & Actions
  - What important choices do we make to realize our targets and objectives?

- Implementation Criteria
  - When? How much is it going cost? Who is responsible?

MER

- KPIs & Equity Metrics
  - What does success look like?

- Dashboard
  - How do we measure our progress?
Thank you for listening

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