

Sunnyvale Climate Action Plan Outline

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Acknowledgements

Table of Contents (including lists of figures and tables)

Executive Summary

Chapter 1. Introduction

This chapter will include an introduction to the document, outline the scope and structure of the plan, and establish the purpose for developing a Climate Action Plan. The Introduction will also provide a brief profile of the community of Sunnyvale and a discussion of the City's ability to influence certain sources of greenhouse gas emissions. Chapter 1 will summarize the local and regional climate protection efforts to date and list the organizations/agencies that contribute to the City's GHG reduction efforts. This chapter will conclude with a discussion of the process of developing the Plan, including a summary of community outreach efforts, the work of the Horizon 2035 Committee in the development of this CAP, and how the plan will be integrated with the General Plan and go through environmental review.

Sub-Headings:

Purpose and Scope (BAAQMD Compliance, commitment to sustainability)

Local Profile

Local Climate Protection Efforts to Date

Planning Process

Horizon 2035 Committee Involvement

Relationship of CAP to other City plans and processes (How to use this Plan)

Chapter 1 will also provide an overview of climate change science, the global impacts and the anticipated impacts to California and the Bay Area from climate change, and the state and federal regulatory and legislative framework. The final section of this chapter shall include an explanation of the relationship of the CAP to the Bay Area Air Quality Management District (BAAQMD) California Environmental Quality Act (CEQA) guidelines and how it functions as a CEQA programmatic tiering document by meeting the Air Districts criteria of a Qualified GHG Reduction Strategy. This section can be

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presented as a separate chapter or an appendix depending on the City's intent for this information.

Sub-Headings:

Climate Change Science Overview

Climate Change Impacts (Global, California, and Regional)

Regulatory Context

Federal Framework

California Legislative Framework

CEQA and Environmental Review

BAAQMD Guidance and CEQA Tiering

Chapter 2. 2008 Greenhouse Gas Emissions and 2020 Forecast

Chapter 2 will provide an overview of the municipal and community-wide GHG inventories, GHG projections, and target reductions. This chapter will also discuss the effect of state and federal actions on the City's future emissions.

Sub-Headings:

Inventory Background and Methodology

2008 Baseline Inventory Results

GHG Reduction Targets

GHG Emissions Forecast Methodology

Business As Usual GHG Emissions Forecast

Adjusted Forecast to Incorporate Existing State and Local Programs

Chapter 3. Sunnyvale's Strategy to Reduce Greenhouse Gas Emissions

This chapter will introduce the structure of the City's reduction strategies and their evaluation criteria (e.g. GHG reductions, cost, performance metrics, and implementation phase) and include a complete presentation of the GHG reduction measures.

Sub-Headings:

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Reduction Strategy Structure

Evaluation Criteria

GHG Reduction Strategies

GHG Reduction Summary (achievement of target)

Chapter 4. Adapting to Climate Change

This chapter will generally describe some of the potential impacts climate change may have on Sunnyvale and the northern California and include strategies to prepare for, adapt, and mitigate the potential effects of climate change. This chapter will not include a full vulnerability assessment, and will discuss impacts in general terms, but should provide the starting point for the City to make informed policy decisions regarding climate change in the future.

Sub-Headings:

Potential Impacts of Climate Change in the Bay Area and Sunnyvale
(Global and CA impacts will be summarized in Ch 2)

Existing Adaptation Efforts (State, Bay Area)

Adaptation Strategies

Chapter 5. Implementation Plan

This chapter will summarize the CAP's GHG reduction achievement and outline a framework for implementation consistent with BAAQMD Guidelines. The City's GHG reduction achievement will be shown in comparison to baseline levels and the state's recommended GHG reduction target. This Chapter will also discuss how the CAP meets the requirements for a Qualified GHG Reduction Strategy under the BAAQMD CEQA Guidelines. This chapter will conclude with a recommended structure for monitoring implementation and GHG emissions over time.

Sub-Headings:

Relationship to the General Plan

Implementation Policies (monitoring and reporting, securing funding, etc)

Implementation Matrix

Monitoring and Updating this Plan

Appendices

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- A. City of Sunnyvale 2008 Baseline Greenhouse Gas Emissions Inventory Technical Memo - PMC
- B. Methodology and Assumptions for GHG Quantification and Costs
 - a. This Appendix will include the estimated GHG reductions associated with each measure, including the existing activities and state measures, for each target year (2010, 2020, and 2035) and the assumptions and sources utilized to determine each GHG reduction. This appendix will also provide sources and background on how the estimated cost ranges were arrived at for each measure.
- C. BAAQMD GHG Reduction Strategy Compliance
 - a. This Appendix clearly outlines how the City's CAP meets BAAQMD's guidance for a qualified GHG reduction Strategy. The Appendix will detail the methodologies used to prepare the baseline inventory, forecast, and quantify each GHG reduction strategy.

Optional component

- Letter from Mayor, City Manager, or Horizon 2035 Committee at the beginning of the document.