

# 2030 Greenhouse Gas Reduction Strategy

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City Council Meeting

November 17, 2020

Item 10.4

Presenters: David Keyon, Environmental Principal Planner, PBCE

Robert Manford, Deputy Director, PBCE



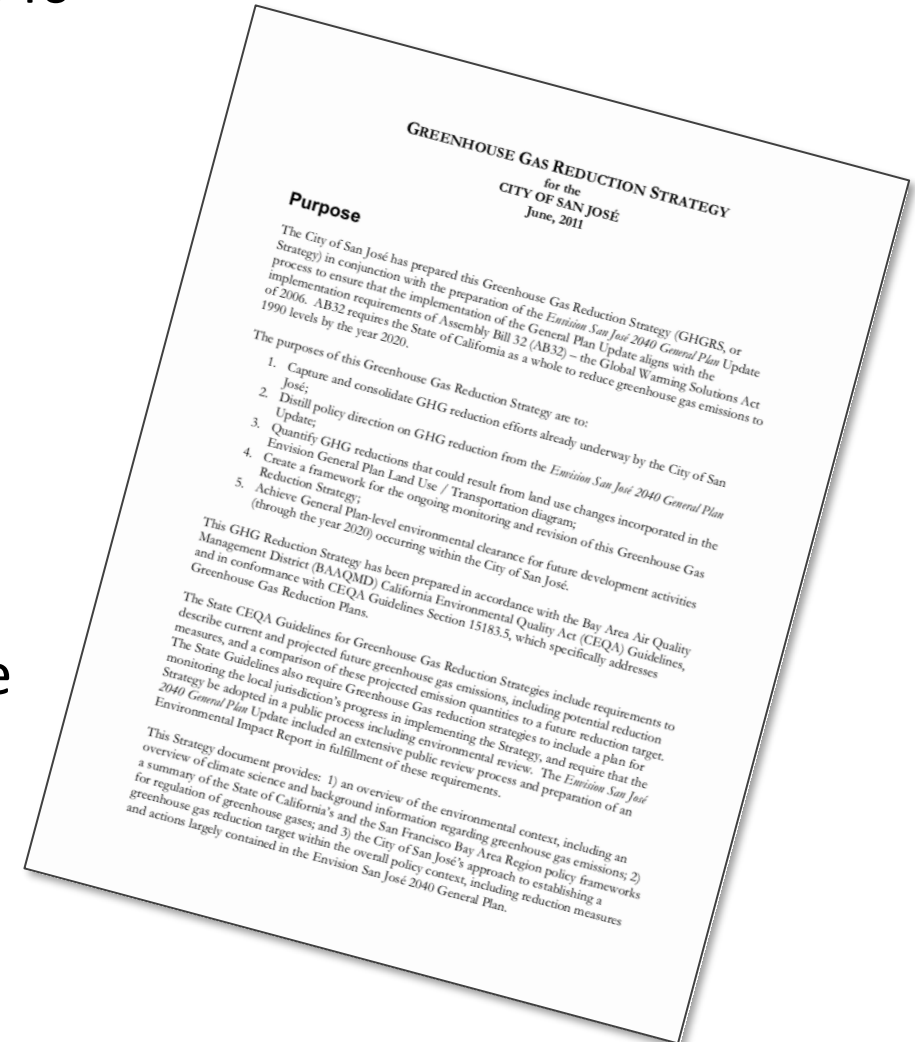
*Planning, Building and  
Code Enforcement*

# 2030 Reduction Strategy - Purpose

- Update City's GHG Reduction Strategy in General Plan to allow tiering and streamlining project-level GHG analysis under CEQA until 2030
- Provide a strategy to achieve statewide GHG reduction targets for 2030 through SB32
- Develop emissions targets consistent with state's adopted interim 2030 GHG target (40% below 1990 levels in 2030), with goal of meeting 2050 statewide target of 80% below 1990 levels by 2050
- Identify City policies, plans, and programs that contribute to GHG reductions to reach City's 2030 target, including 2040 General Plan
- Preparation of a checklist for new development projects to demonstrate consistency to meet City's 2030 reduction target

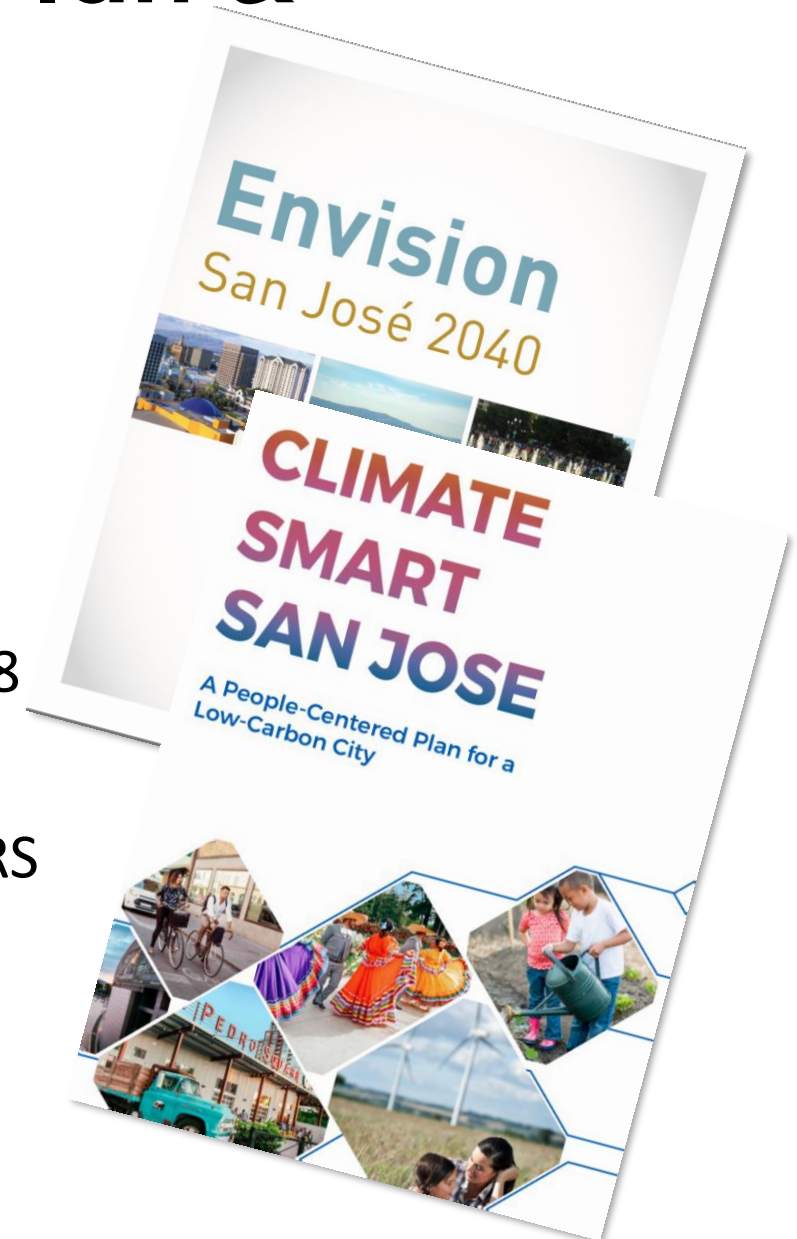
# Background: Previous GHG Reduction Strategy

- Originally Adopted with Envision San José 2040 General Plan in 2011 and updated in 2015
- Based on AB32 target of GHG emissions reduction to 1990 levels by 2020
- Provided CEQA streamlining for projects consistent with General Plan
- With adoption of SB32, GHGRS needed to be updated to 2030 targets
- In interim, project specific GHG analysis required for CEQA



# Relationship to General Plan & Climate Smart San José

- 2030 GHGRS is consistent with the major strategies and policies in the 2040 General Plan
- Includes additional reduction measures to achieve the 2030 GHG emissions target
- Includes updated emissions forecasts to align with buildout of General Plan, including the 2018 adoption of City's VMT Policy (5-1)
- Emissions reduction measures in the 2030 GHGRS consistent with Climate Smart San Jose
- Focus of GHGRS is for streamlining analysis of GHG emissions for CEQA review

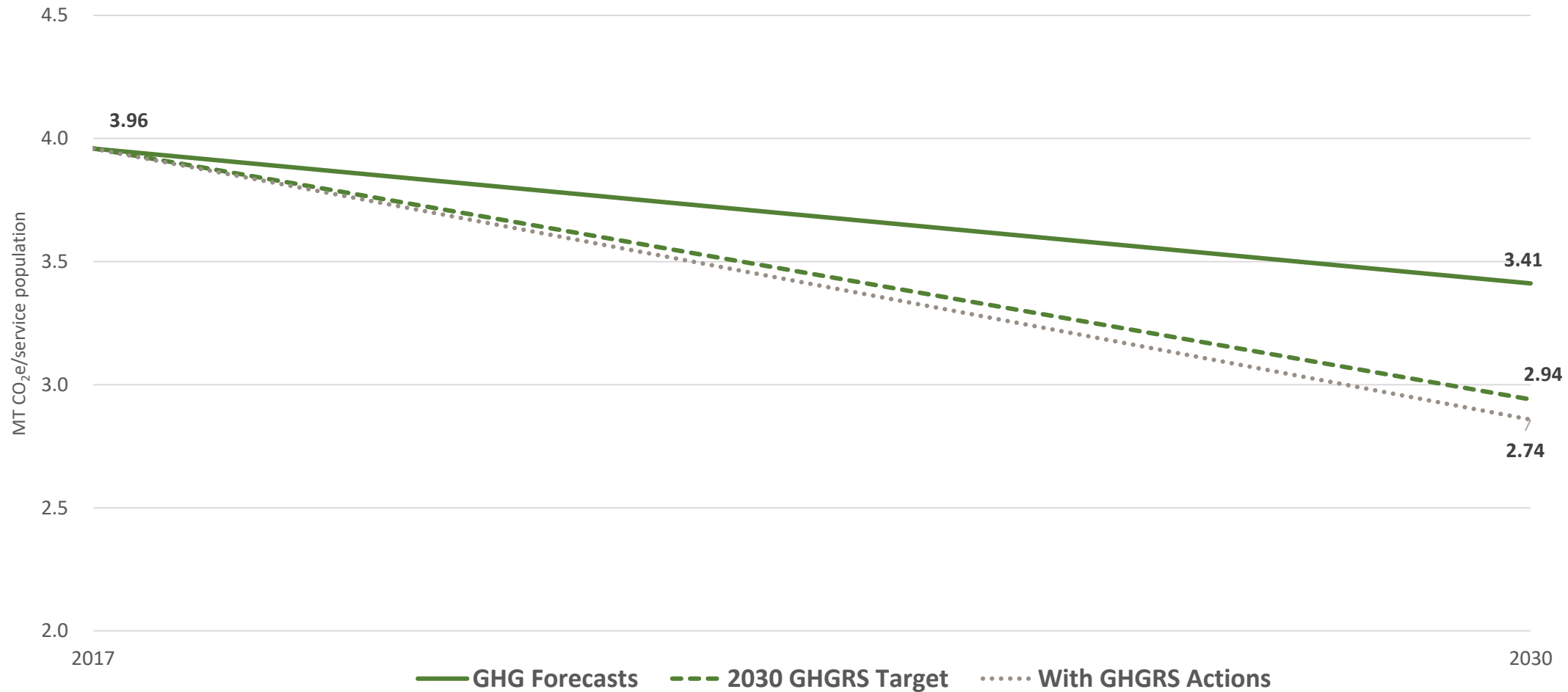


# Key Strategies

<b>Strategy 1</b>	San Jose Clean Energy Implement SJ Clean Energy for commercial & residential customers (98% participation)
<b>Strategy 2</b>	Zero Net Carbon Residential Development Implement Reach Code and prohibition on natural gas in new residential construction
<b>Strategy 3</b>	Renewable Energy Development Assistance and incentives for rooftop solar
<b>Strategy 4</b>	Existing Building Retrofits – Natural Gas Retrofit of existing buildings for increased efficiency and conversion from natural gas
<b>Strategy 5</b>	Zero Waste Goal
<b>Strategy 6</b>	Caltrain Modernization Project
<b>Strategy 7</b>	Water Conservation



# 2030 GHG Reduction Strategy Results on Emissions per Service Population



# Implementation

## Applicants/Environmental Consultants Complete Compliance Checklist

To use the GHG Reduction Strategy for CEQA Clearance, must demonstrate the following in Compliance Checklist in CEQA document:

- A. General Plan Policy Compliance:** demonstrate consistency with relevant General Plan policies, AND
- B. Greenhouse Gas Reduction Strategy Compliance:** Demonstrate consistency with the modeled strategies or demonstrate conformance via other applicant-offered measures, OR
- C. Applicant Proposed Measures:** Alternative measures proposed by applicant

**Compliance Checklist**  
**Evaluation of Project Conformance with the 2030 Greenhouse Gas Reduction Strategy**

**Table A: General Plan Consistency**

<b>1) Consistency with the Land Use/Transportation Diagram (Land Use and Density)</b>	
Consistent	<input type="checkbox"/>
Need General Plan Amendment, but proposed amendment would decrease GHG emissions (in absolute terms or per capita, per employee, per service population) below the level assumed in the GHGRS based on the existing planned land use. (The project could have a higher density, mix of uses, or other features that would reduce GHG emissions compared to the planned land use). <sup>2</sup>	<input type="checkbox"/>
Need General Plan Amendment but would increase GHG emissions (in absolute terms or per capita, per employee, per service population). Project is not consistent with GHGRS and further modeling will be required to determine if additional mitigation measures are necessary.	<input type="checkbox"/>
<b>Qualitative Response:</b>	
<b>2) Implementation of Green Building Measures</b>	
MS-2.2: Encourage maximized use of on-site generation of renewable energy for all new and existing buildings.	<input type="checkbox"/>
Not applicable	<input type="checkbox"/>
Describe how the project is consistent or why the measure is not applicable:	
MS-2.3: Encourage consideration of solar orientation, including building placement, landscaping, design and construction techniques for new construction to minimize energy consumption.	<input type="checkbox"/>
Not applicable	<input type="checkbox"/>
Describe how the project is consistent or why the measure is not applicable:	

# Staff Recommendation:

- Adopt a resolution adopting the Addendum to the Envision San José 2040 General Plan EIR and Supplemental EIR; and
- Adopt a resolution approving the 2030 GHG Reduction Strategy and General Plan Text Amendment



# **Q&A / Discussion**