

(d)2 CLIMATE ADAPTION AND RESILIENCE PLAN

Transportation and Environment Committee | February 9, 2026

Presenters:

Lori Mitchell, Director, Energy Department

Julie Benabente, Deputy Director, Energy Department

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TODAY'S AGENDA

1. Background
2. Vulnerability Assessment
3. Framework and Measures
4. Engagement and Input
5. Next Steps
6. Recommendation



BACKGROUND

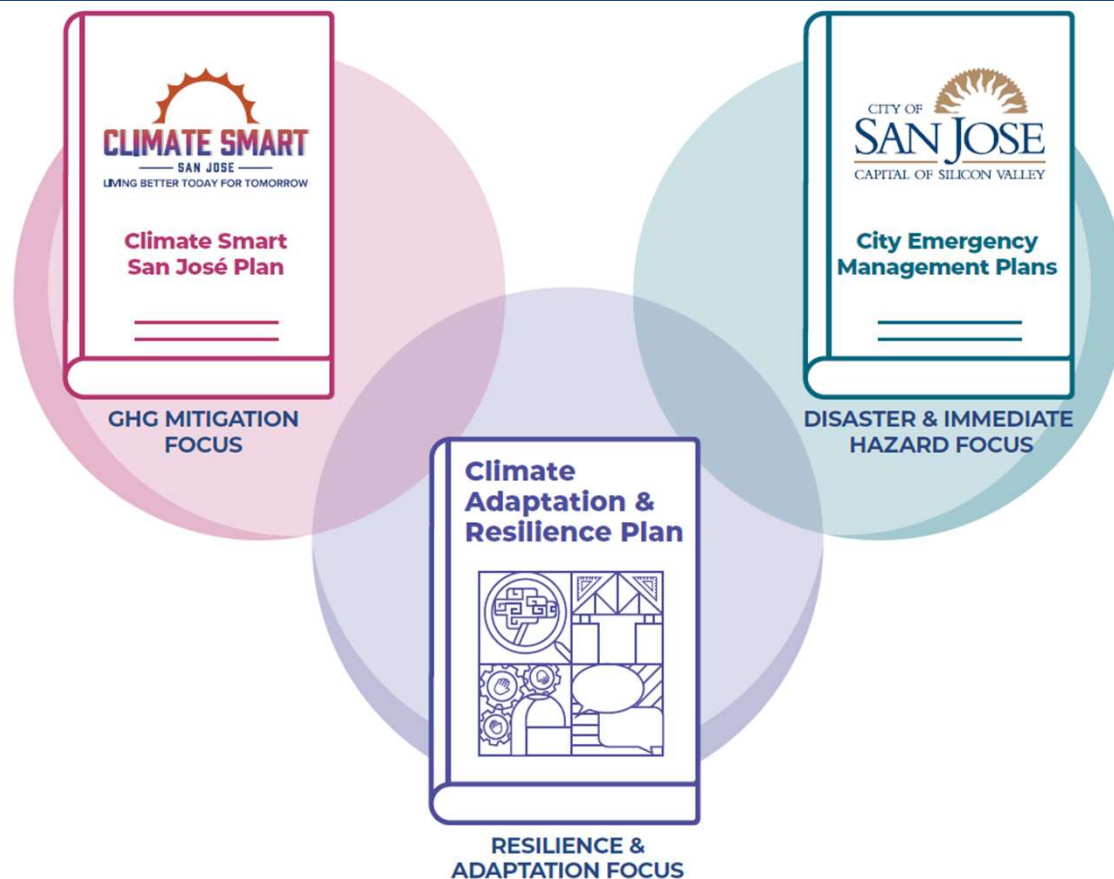
- City adopted Climate Smart San José (2018, updated 2025) to identify strategies to ***reduce greenhouse gas emissions***
- In June 2023, State awarded the City a ~\$650,000 grant to develop a Climate Adaptation and Resilience Plan (CARP)
 - **Grant Application Partners:**
 - Santa Clara Valley Water District (Valley Water; input)
 - San Francisco Bay Area Planning and Urban Research Association (SPUR; engagement)

CLIMATE SMART SAN JOSE

A People-Centered Plan for a
Low-Carbon City



DISTINGUISHING THIS PLAN



The Climate Adaptation and Resilience plan identifies measures and strategies to **reduce the impact of climate change** on the San José community

PROJECT TIMELINE

-  Procure consultant/ contracting: **Jun 2023 – May 2024**
-  Conduct technical analysis: **Jun – Sept 2024**
-  Develop vision and framework: **Sept – Nov 2024**
-  Develop measures: **Dec 2024 – May 2025**
-  Release of Public Review Draft: **Sept – Oct 2025**
-  Develop the final CARP: **Oct – Dec 2025**
-  T&E and City Council consideration: **Feb 9, 2026, Mar 3, 2026**

VULNERABILITY ASSESSMENT

What: High-level analysis of how projected climate hazards may affect the city's:

- populations
- buildings
- critical facilities
- utility infrastructure
- transportation systems

Purpose: To inform prioritization and the development of adaptation strategies and measures



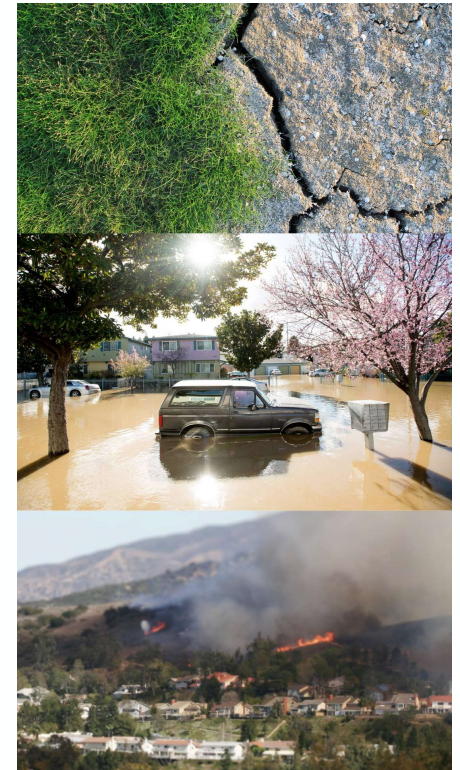
VULNERABILITY ASSESSMENT (CONT'D)

San José Climate Hazards:

- flooding
- more severe drought
- wildfire smoke and events
- sea level rise
- more frequent and extreme heat waves

Data sources included:

- Silicon Valley 2.0 Climate Change Preparedness Tool
- Federal Emergency Management Agency maps
- Adapting to Rising Tides sea level rise data
- Santa Clara County Multi-Jurisdictional Hazard Mitigation Plan and the City of San José Annex



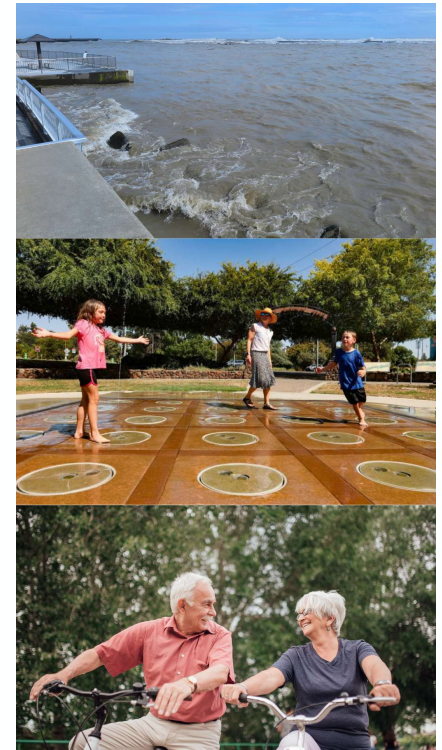
VULNERABILITY ASSESSMENT (CONT'D)

Key Findings:

- Flooding is the most impactful hazard to infrastructure and populations, followed by extreme heat and sea level rise
- Sea level rise and storm surge pose increasing long-term risks
 - geographically limited to northern portions of San José
- Wildfire risk is geographically limited
 - smoke presents a significant public health concern
- Vulnerable populations are disproportionately impacted by extreme heat, air quality, and flooding

Conclusion:

Strategies should focus on facility assessments, infrastructure upgrades, community engagement, and resilience measures tailored to vulnerabilities.



FRAMEWORK

Knowledge	Governance and Policy
Improves data and analysis to better understand climate hazards, vulnerabilities, and risks.	Strengthens coordination and integrates climate resilience into City policies and processes.
Structural	Communications
Reduces physical vulnerabilities through resilient infrastructure and natural systems.	Enhances information sharing and engagement to support climate preparedness and resilience.

Focus on Measures:

- Within the City's direct control to implement
- Integrate with related City plans and policies
- Address infrastructural, community, and ecosystem impacts from climate-related hazards
- Address inequities and reduce climate-related impacts to vulnerable communities

CARP MEASURES



KNOWLEDGE

1. Site- and System-Specific Vulnerability Studies (VS)
2. Climate Resilience and Adaptation Funding (AF)
3. Shoreline Adaptation Plan (SA)
4. Priority Streets and Trails (PS)



GOVERNANCE AND POLICY

5. Internal Collaboration (IC)
6. Agency Collaboration (AC)
7. Advisory Groups (AG)
8. CARP Updates (CU)
9. Resilient City Infrastructure Design Standards (CD)
10. Resilient Design Standards for Private Development (PD)
11. Considerations for Development in Hazard-Prone Areas (DC)
12. Transit Service during Extreme Events (TE)

CARP MEASURES (CONT'D)



STRUCTURAL

- 13. Community-Serving Facility Upgrades and Resilience Hubs (RH)
- 14. Green Stormwater Infrastructure (GS)
- 15. Private HVAC Upgrades (HVAC)
- 16. Urban Heat Mitigation (UH)
- 17. Transit Facilities (TF)



COMMUNICATION

- 18. Climate Adaptation and Resilience Information (CI)
- 19. Community-Based Organizations (CBO)

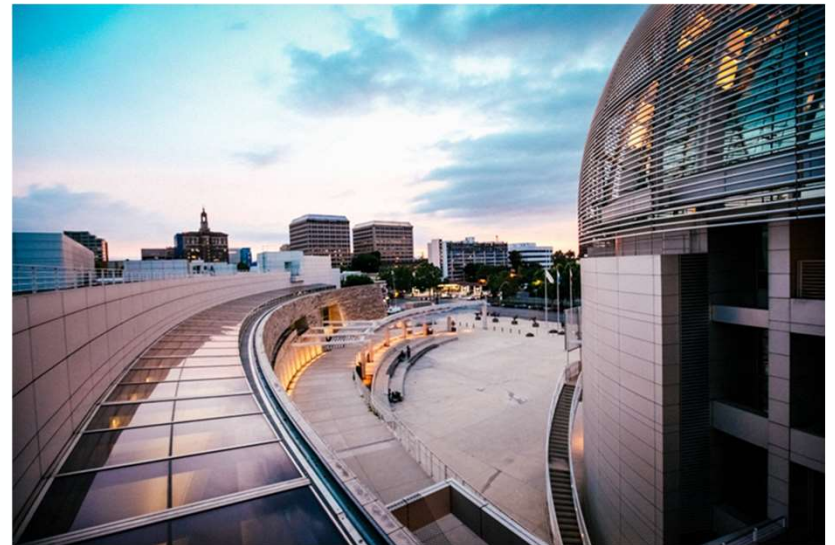
ENGAGEMENT AND INPUT

Outreach Type	Participants / Organizations	Date
Agency Interviews	Valley Transportation Authority; Pacific Gas & Electric	Aug-Sept 2024
Advisory & Community Presentations	Youth Commission; Alviso Neighborhood Group	Jan-Feb 2025
Climate Resilient Communities Engagement	Climate Resilient Communities groups in Alviso and East San José	Apr 2025-Ongoing
Community Survey	General public	Apr-Jun 2025
Tabling Events (7)	Community members	Spring 2025
Virtual Workshop	Community members	Apr 18, 2025
Public Comment Period	General public and non-governmental organizations	Sept 25-Oct 26, 2025
Virtual Open House	Community members	Oct 14, 2025
Small Group Meetings	Acterra, Mothers Out Front, Silicon Valley Leadership Group	Oct 2025

ENGAGEMENT AND INPUT (CONT'D)

Climate Ready Working Group

- Included bimonthly meetings with the following partner and City departments:
 - Valley Water
 - City Manager's Office
 - Environmental Services
 - Office of Emergency Management
 - Planning, Building, and Code Enforcement
 - Public Works
 - Transportation



NEXT STEPS

- Continue current City activities supporting CARP measures including:
 - Roosevelt Community Center resiliency hub (grant)
 - Subregional shoreline adaptation planning (grant; led by County)
 - Reducing water demand and/or increase non-potable water sources (South Bay Water Recycling)
 - Urban Land Institute Technical Assistance Program Workshop March 18–19, 2026 to advise the City on equity-centered best practices pertaining to CARP implementation (grant)
- Additional implementation efforts will occur over time as the City acquires funding

RECOMMENDATION

- Recommend the City Council consider and take action to:
 1. Adopt the Climate Adaptation and Resilience Plan.
 2. Approve the incorporation of the Climate Adaptation and Resilience Plan into annual Climate Smart updates.
- Cross-reference this item to the March 3, 2026, City Council meeting for consideration and approval.

**LIVING
BETTER
TODAY FOR
TOMORROW**

Questions?

**Climate Adaptation and Resilience Plan
webpage:
SJEnvironment.org/CARP**