

# (D) 1. CITY INFRASTRUCTURE STRATEGY QUARTERLY STATUS REPORT

TRANSPORTATION & ENVIRONMENT COMMITTEE | FEBRUARY 3, 2025



PRESENTED BY: KIP HARKNESS, Deputy City Manager  
ERICA GARAFFO, Lead Resilience Strategist

# City Infrastructure Strategy for FY 2024-25

Objectives

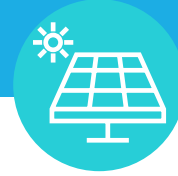
## Climate Ready & Climate Smart



## Modern & Sustainable Mobility



## Clean Energy Resilience



## Water Resilience





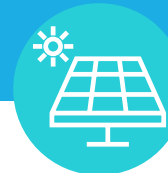


## Natural Environment Restoration






Workstreams & Department Drivers

Shoreline Levee (Sea Level Rise) CMO	Airport Asset Preservation Plan AIR, PW	Municipal Electric Utility Service CMO	Regional Wastewater Facility (RWF) Transformation ESD, PW	Ensure Clean Creeks & Rivers (Stormwater Permit) ESD
Climate Adaptation and Resilience Plan CMO	Airport Expansion Enabling Projects AIR, PW	Electric Vehicle Fleet/Charging Infrastructure ED, PW, DOT	Diverse Water Supply/Direct Potable Reuse ESD	Community Forest (Urban Tree Canopy) DOT
Climate Smart Decarbonization & Mitigation ESD	Diridon Station Modernization DOT	Citywide Building Electrification ED	RWF Land Use/Construction Coordination ESD, OED, PW	Protect Coyote Valley Open Space PBCE
	BART Silicon Valley Extension PW, DOT	Attracting Skilled Technical Workforce CMO, ED		
	Airport Diridon Connector DOT, AIR	Partnering with PG&E CMO, ED, PW		

# City Infrastructure Strategy for FY 2024-25 – Q2 Key Results

Objectives	Climate Ready & Climate Smart 	Modern & Sustainable Mobility 	Clean Energy Resilience 	Water Resilience 	Natural Environment Restoration 
Workstreams & Department Drivers	Shoreline Levee (Sea Level Rise) CMO	Airport Asset Preservation Plan AIR, PW	Municipal Electric Utility Service CMO	Regional Wastewater Facility (RWF) Transformation ESD, PW	Ensure Clean Creeks & Rivers (Stormwater Permit) ESD
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**STATUS**

-  Completed
-  Minor Delay/Course Correction Needed
-  Off-Track or Significant Shift in Work Occurred

# City Infrastructure Strategy for FY 2024-25 – Highlights

Objectives

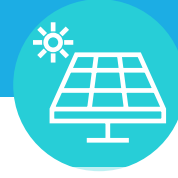
## Climate Ready & Climate Smart



## Modern & Sustainable Mobility



## Clean Energy Resilience



## Water Resilience



## Natural Environment Restoration



Workstreams & Department Drivers

Objective	Climate Ready & Climate Smart	Modern & Sustainable Mobility	Clean Energy Resilience	Water Resilience	Natural Environment Restoration
	<div style="background-color: #1a3d4d; color: white; padding: 5px;">Shoreline Levee (Sea Level Rise)</div> <div style="background-color: #d9e1f2; padding: 5px; text-align: center;">CMO</div>	<div style="background-color: #1a3d4d; color: white; padding: 5px;">Airport Asset Preservation Plan</div> <div style="background-color: #d9e1f2; padding: 5px; text-align: center;">AIR, PW</div>	<div style="background-color: #90c9c9; padding: 5px;">Municipal Electric Utility Service</div> <div style="background-color: #d9e1f2; padding: 5px; text-align: center;">CMO</div>	<div style="background-color: #90c9c9; padding: 5px;">Regional Wastewater Facility (RWF) Transformation</div> <div style="background-color: #d9e1f2; padding: 5px; text-align: center;">ESD, PW</div>	<div style="background-color: #90c990; padding: 5px;">Ensure Clean Creeks &amp; Rivers (Stormwater Permit)</div> <div style="background-color: #d9e1d9; padding: 5px; text-align: center;">ESD</div>
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# Shoreline Levee (Sea Level Rise)



- The Valley Water South San Francisco Bay Shoreline Levee Project is a comprehensive flood protection, habitat restoration, and climate adaptation initiative designed to address the long-term risks of sea level rise and flooding in Santa Clara County. Our partnership focuses on North San José, including the Alviso neighborhood and the Regional Wastewater Facility lands.
- In October, the City convened an in-person working group Valley, the California State Coastal Conservancy, and the City of Santa Clara to outline key deal points for a Memorandum of Understanding (MOU) related to the Shoreline Levee Project.
- Over the remainder of this past quarter, Valley Water and City of San Jose staff developed a 30% draft of the MOU. The MOU is based on the fully executed Shoreline Levee Letter of Intent between the City of San Jose, City of Santa Clara, and Valley Water.
- Goal for Q3: 70% draft of MOU and executed land use agreement for soil stockpiling.



# Airport Asset Preservation Plan

- Plan will ensure the long-term functionality, safety, and efficiency of Mineta San José International Airport (SJC) by strategically maintaining, improving, and modernizing its infrastructure
- The Airport engaged a consultant to develop an Airport Asset Preservation Plan, their work included:
  - interviewing key personnel at San Jose International Airport (SJC) to evaluate asset conditions, ongoing and planned projects, and the current infrastructure status.
  - Reviewing documents and data to analyze the infrastructure systems of Terminals A and B.
  - A visual facility condition assessment of both Terminals.
  - Preparing a draft "Findings Report" to the City, detailing the current state of the terminal infrastructure and proposing a rough order of magnitude (ROM) level capital investment plan
  - Preparing a comprehensive final investment plan.



# Citywide Building Electrification

- Buildings account for 31 percent of San José's greenhouse gas emissions, primarily from natural gas usage. Gas water heaters and HVAC systems are responsible for over 90% of natural gas usage in residential homes, so replacing these systems will significantly impact home emissions reductions.
- Switching to electric appliances also improves indoor air quality since natural gas appliances can release carbon monoxide, formaldehyde, and other harmful pollutants into the air.
- San José Clean Energy launched a program for residential customers incentivizing the installation of heat pumps for water and space heating called EcoHome Rebate and marketed it to Electric Homes San José waitlist customers.
- Staff also introduced the SJCE On-bill Financing Pilot (EcoHome Payment Plan) to help offset the cost of electric home upgrades.

**Live Greener,  
Breathe Cleaner  
Electrify Your Home**



**Get up to \$12,000 in rebates**

**SAN JOSE  
CLEAN ENERGY**  
A Program of the City of San José

**Apply Today**

**CITY OF  
SAN JOSE**  
CAPITAL OF SILICON VALLEY

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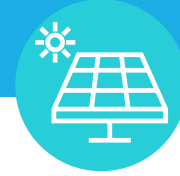
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