



Memorandum

TO: TRANSPORTATION AND
ENVIRONMENT COMMITTEE

FROM: Erica Garaffo

SUBJECT: SEE BELOW

DATE: May 26, 2023

Approved

Date

5/26/23

**SUBJECT: CITY INITIATIVES ROADMAP: RESILIENT AND SUSTAINABLE
CITY INFRASTRUCTURE AND EMERGENCY PREPAREDNESS
ENTERPRISE PRIORITY QUARTERLY STATUS REPORT**

RECOMMENDATION

Accept a quarterly status report on the Resilient and Sustainable City Infrastructure and Emergency Preparedness Enterprise Priority, including a review of the objectives and priority initiatives status of select initiatives as part of the approved City Initiatives Roadmap for Fiscal Year 2022-2023.

OUTCOME

Staff will provide an update on the Resilient and Sustainable City Infrastructure and Emergency Preparedness Enterprise Priority and the Committee will provide feedback to staff on their update.

BACKGROUND

As directed in the Mayor's March Message for Fiscal Year 2022-2023, as approved by the City Council, a multi-departmental team led by the City Manager's Office was created to drive results informed by equity considerations on key resilience objectives and major capital projects in the areas of drought resilience, sea level rise, microgrid development, urban forests, seismic safety, Coyote Valley open space implementations, electrification, and rehabilitation of aging City infrastructure.

This direction evolved into the "Sustainable and Resilient City Infrastructure and Emergency Preparedness" Enterprise Priority on the City Roadmap. The work of this Enterprise Priority aligns projects across Environmental Services, Public Works, Community Energy,






Transportation, Information Technology, and Planning, Building, & Code Enforcement Departments, as well as the City Manager’s Offices of Intergovernmental Relations and Emergency Management.

The “Sustainable and Resilient City Infrastructure and Emergency Preparedness” Enterprise Priority on the City Roadmap is organized under five Objectives. These are:

1. Disaster Ready and Climate Smart
2. Infrastructure Resilience
3. Clean Energy Resilience
4. Water Resilience
5. Natural Environment Restoration

These five Objectives are supported by eighteen Workstreams that comprise the highest priority initiatives (Figure 1).

Figure 1: Sustainable and Resilient City Infrastructure and Emergency Preparedness Objectives and Workstreams

Objectives	Disaster Ready & Climate Smart	Infrastructure Resilience	Clean Energy Resilience	Water Resilience	Natural Environment Restoration
					
	Prepare the City for the Next Disaster Jay McAmis	Complete Funded Projects (Measure T) Katherine Brown	Deploy Micro Grids for Resilience Walter Lin	Rebuild Regional Wastewater Facility Mariana Chavez	Restore the Urban Tree Canopy Rick Scott
	Seismically Safe “Soft Story” Apartments Lisa Joiner	Address Infrastructure Backlog + O&M Mathew Nguyen	Downtown Large Project Electrification Jim Caldwell	Create New Water Supply Opportunities Jeff Provenzano	Protect Coyote Valley Open Space Michael Brilliot
	Climate Smart Decarbonization & Mitigation Julie Benabente	Seek New State/ Federal Funding & Policy Zane Barnes	City Wide Building Electrification Julie Benabente	Sustainable Sewers - Sanitary & Storm Mathew Nguyen	
	Understand Sea-Level Rise Mathew Nguyen	Ensure Cybersecurity Marcelo Peredo	Electric Vehicle Charging Zach Struyk	Green Infrastructure (Stormwater) Mathew Nguyen	
Workstreams & Drivers					

We presented these 5 Objectives and 18 Workstreams at the October 3, 2022, and March 6, 2023, Transportation & Environment Committee. Staff’s update at the June 5, 2023, Transportation & Environment Committee will be the third time this work has been presented to the Committee.

ANALYSIS

Each quarter, the Workstream drivers and their respective departments come up with their committed key results for each initiative within the “Sustainable and Resilient City Infrastructure and Emergency Preparedness” Enterprise Priority. For the January – March 2023 period, the team completed the following deliverables:

Prepare the City for the Next Disaster:

1. Finalized the COVID-19 After Action Review.
2. Reached 80% completion on Emergency Operations Center construction.
3. Reached 100% technology purchases for Emergency Operations Center.
4. Defined the City’s Local Hazard Mitigation Plan Team.

Seismically Safe “Soft Story” Apartments:

1. Compiled initial soft story properties inventory (60% complete)
2. Finalized business requirements with ITD for online portal (80% complete)
3. Calculated Mass Care and Shelter expenses (BCA for ordinance).

Understand Sea Level Rise:

1. Restarted conversations with Valley Water District on North San Jose Sea Wall Levee project with Army Corps of Engineers.

Complete Funded Projects (Measure T):

1. Obtained permitted drawing sets for bidding for Fire Station 8 and Fire Station 32.
2. Advertised bids for Fire Station 32.
3. Provided annual Measure T update and funding strategy for consideration and approval by Council.

Seek New State/ Federal Funding & Policy:

1. Advocated for the Federal-State Partnership for Intercity Passenger Rail grant application for Diridon Station.
2. Facilitated Citywide responses to Requests for Information on the allocation of Inflation Reduction Act funds.
3. Met with one member of Congress to advance infrastructure priorities.
4. Conducted Legislative Advocacy Day with state delegation in Sacramento.

Create New Water Supply Opportunities:

1. Prepared water supply resiliency budget proposal and work plan for next fiscal year.
2. Signed Memorandum of Understanding with San Jose Water Company.

Sustainable Sewers – Sanitary & Storm:

1. Submitted budget proposal for an assessment of investment needs for stormwater related issues.

2. Engaged consultant to evaluate financing intervention options.

Green Infrastructure (Stormwater):

1. Submitted budget proposal for Green Stormwater Infrastructure as part of the assessment above (see Sustainable Sewers #1).
2. Performed hydraulic analysis and modelling, and reviewed criteria to identify and validate at least one additional regional project.

Restore the Urban Tree Canopy:

1. Completed City Forest Advisory Committee recruitment and planned first official meeting.
2. Hired and onboarded Urban Forester position.
3. Planted 1000 trees.
4. Decision reached on negotiated agreement with One City Forest.

For a complete list of the key result commitments for the April – June period, refer to Appendix A at the end of this memo.

CONCLUSION

Staff continues to make progress on each of the 18 Workstreams in the “Sustainable and Resilient City Infrastructure and Emergency Preparedness” Enterprise Priority and will return to the Transportation & Environment Committee in Fall 2023 to provide the next update.

COORDINATION

This memo has been coordinated with the City Attorney’s Office and City Manager’s Budget Office.

/s/

ERICA GARAFFO
Lead Resilience Strategist, City
Manager’s Office

For questions, please contact Erica Garaffo, Lead Resilience Strategist, Assistant to the City Manager, at erica.garaffo@sanjoseca.gov.

ATTACHMENT: Appendix A – City Infrastructure Objectives and Proposed Key Results (April - June 2023)

Appendix A – City Infrastructure Objectives and Proposed Key Results (April - June 2023)

City Infrastructure Objectives	Work Stream (Dept Director/ Driver)	Q4 Key Results (Apr-June)
Disaster Ready + Climate Smart	Prepare the City for the Next Disaster Ray Riordan/ Jay McAmis	1. Complete EOP Update 2. 100% EOC construction. 3. 50% EOC technology installation 4. Complete update of 4 EOP Annexes/Plans 5. 90% LHMP Completion
	Seismically Safe "Soft Story" Apartments Chris Burton/ Lisa Joiner	1. Finalize soft story property inventory for future property owner notification/verification 2. Create mandatory soft story seismic retrofit ordinance 3. Conduct pre-ordinance outreach (Mayor, City Council, Apartment and Realtor Associations, Tenants Rights, etc.)
	Climate Smart Decarbonization & Mitigation Kerrie Romanow / Julie Benabente	1. Bring NWL Element to City Council for approval (Approved 5/2/23)
	Understand Sea Level Rise Matt Loesch / Mathew Nguyen	Continue to meet with VW and gain common knowledge about sea level rise and how it will potentially impact City's infrastructure
Infrastructure Resilience	Complete Funded Projects (Measure T) Matt Loesch / Katherine Brown	1. Obtain permitted drawing sets for bidding for FS 8, & River Oaks Regional Stormwater Capture Project 2. Obtain bids for FS 32 and bring forward award to council 3. Advertise FS 8 & PD Training & Academy and River Oaks Regional Stormwater Capture Project for bids 4. Continue to pursue best site for relocation of FS 23 & Issue first Info Memo on status of FS 23 property purchase per Council Direction
	Address Infrastructure Backlog + O&M Matt Loesch/ Mathew Nguyen	See Sustainable Sewers - Sanitary & Storm
	Seek New State/Federal Funding & Policy Sarah Zarate / Zane Barnes	1. Continue to advocate for the Federal-State Partnership for Intercity Passenger Rail grant application for Diridon Station. 2. Meet with one Congressional office to advance infrastructure priorities. 3. Advocate for Charging and Fueling Infrastructure (CFI) Discretionary grant application. 4. Submit one state earmark request in support of the Lake Cunningham Water Restoration Project.

Clean Energy Resilience	<p>Deploy Micro Grids for Resilience Matt Loesch / Carol Boland</p>	<ol style="list-style-type: none"> 1. Hire Interns (2) for assisting Microgrids Program 2. Hire Associate Engineer position to assist in Microgrid program 3. Continue pre-work and prepare for upcoming BRIC grant opportunity; pending County providing the Haz prep plan 4. Finalize capital budget proposals and begin plans development for 2 microgrid installations in FY 23 - 25 (Roosevelt CC and HHPZ) 5. Finalize development of CY2023 workplan and begin 5-year Microgrids RoadMap
	<p>City Wide Building Electrification Kerrie Romanow / Julie Benabente</p>	<ol style="list-style-type: none"> 1. Convene Accelerator Program's Community Advisory Board (CAB) 2. Complete Accelerator Program design with CAB input 3. Finalize/Launch BlocMaps tool and Internal Building Report 4. Complete Accelerator Program's contractor Request for Information process
	<p>Electric Vehicle Charging Infrastructure Lori Mitchell / Zach Struyk</p>	<ol style="list-style-type: none"> 1. Complete site control analysis and site selection for fast charging hubs pilot 2. Agree on major terms for tolling agreement for DCFC hubs or issue new RFP 3. Develop and complete new EV fact sheets (one incentives-focused for those interested in EVs, and another for those who bought an EV)
Water Resilience	<p>Rebuild Regional Wastewater Facility Kerrie Romanow / Mariana Chavez</p>	<ol style="list-style-type: none"> 1. Achieve Substantial Completion/Beneficial Use on Advanced Facility Controls and Meter Replacement Phase 2, Blower Improvements, and New Headworks projects. 2. Award the construction contract, issue notice to proceed and start construction for Yard Piping Improvements Phase 2 project 3. Complete final design and advertise the construction contract for the Facility-Wide Water Systems Improvements project 4. Advertise the RFQ to procure an owner's advisor for Additional Digester Facility Upgrade project.
	<p>Create New Water Supply Opportunities Kerrie Romanow / Jeff Provenzano</p>	<ol style="list-style-type: none"> 1. On-board FUSE fellow 2. Collaborate with SJWC on Brackish Water Desal feasibility study 3. Develop 4th amendment to the SJWC/SBWR wholesaler retailer agreement - target completion: July 2023

	<p>Sustainable Sewers - Sanitary & Storm Matt Loesch / Mathew Nguyen</p>	<p>Prepare and finalize scope of work and be ready to issue a Service Order or enter into a SA for a consultant to review and identify funding needs. Anticipate starting work in early July when funding is available.</p>
	<p>Green Infrastructure (Stormwater) Matt Loesch / Mathew Nguyen</p>	<p>See Sustainable Sewers - Sanitary & Storm</p>
<p>Natural Environment Restoration</p>	<p>Restore the Urban Tree Canopy John Ristow / Rick Scott</p>	<ol style="list-style-type: none"> 1. Provide CFMP and Audit update to T&E committee 2. Plant 1000 trees 3. Establish updated fee for service agreements with non-profit partners
	<p>Protect Coyote Valley Open Space Chris Burton / Michael Brilliot</p>	<ol style="list-style-type: none"> 1. Project Kickoff in April 2. Conduct first public presentation on key objectives 3. Initiate Baseline Assessment (data collection for existing conditions in the area) and Land Use/Economic Assessment