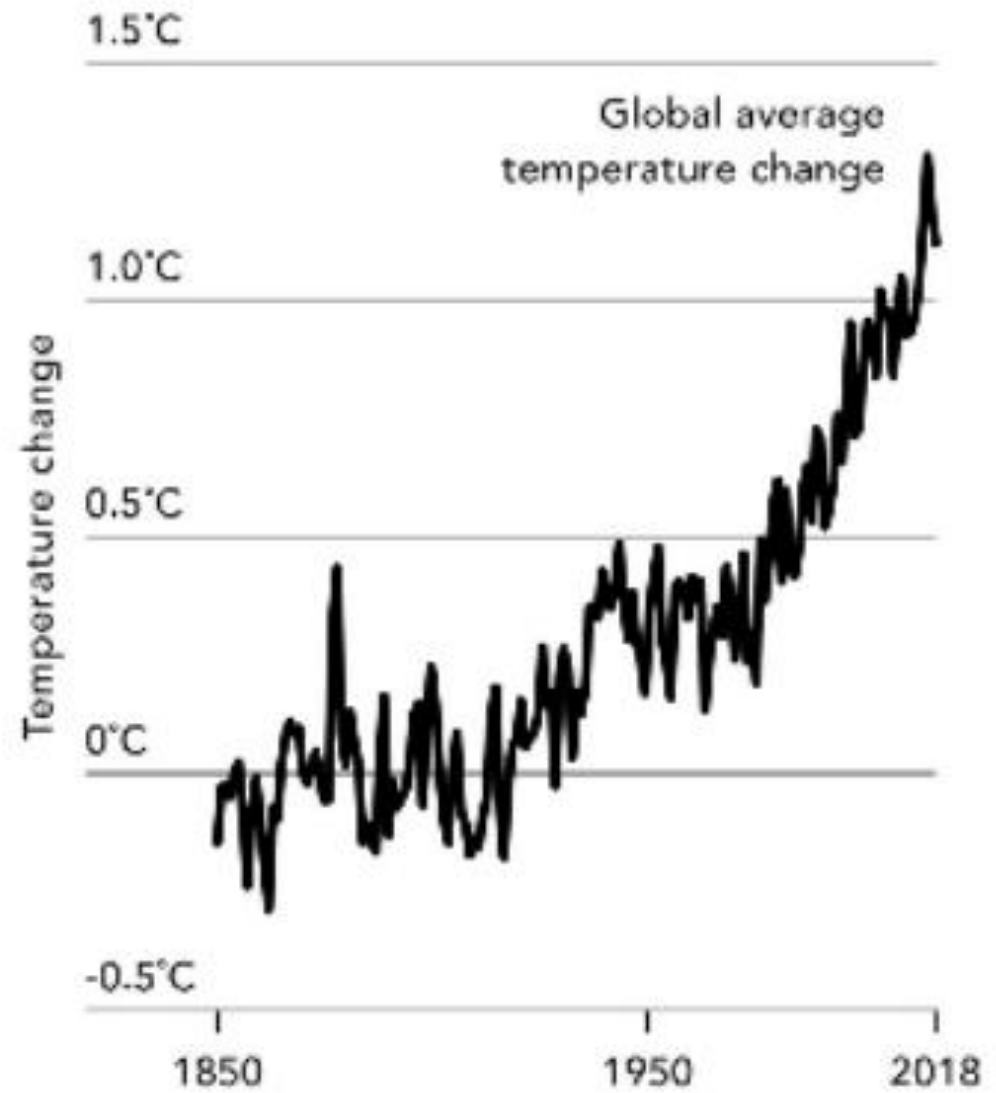
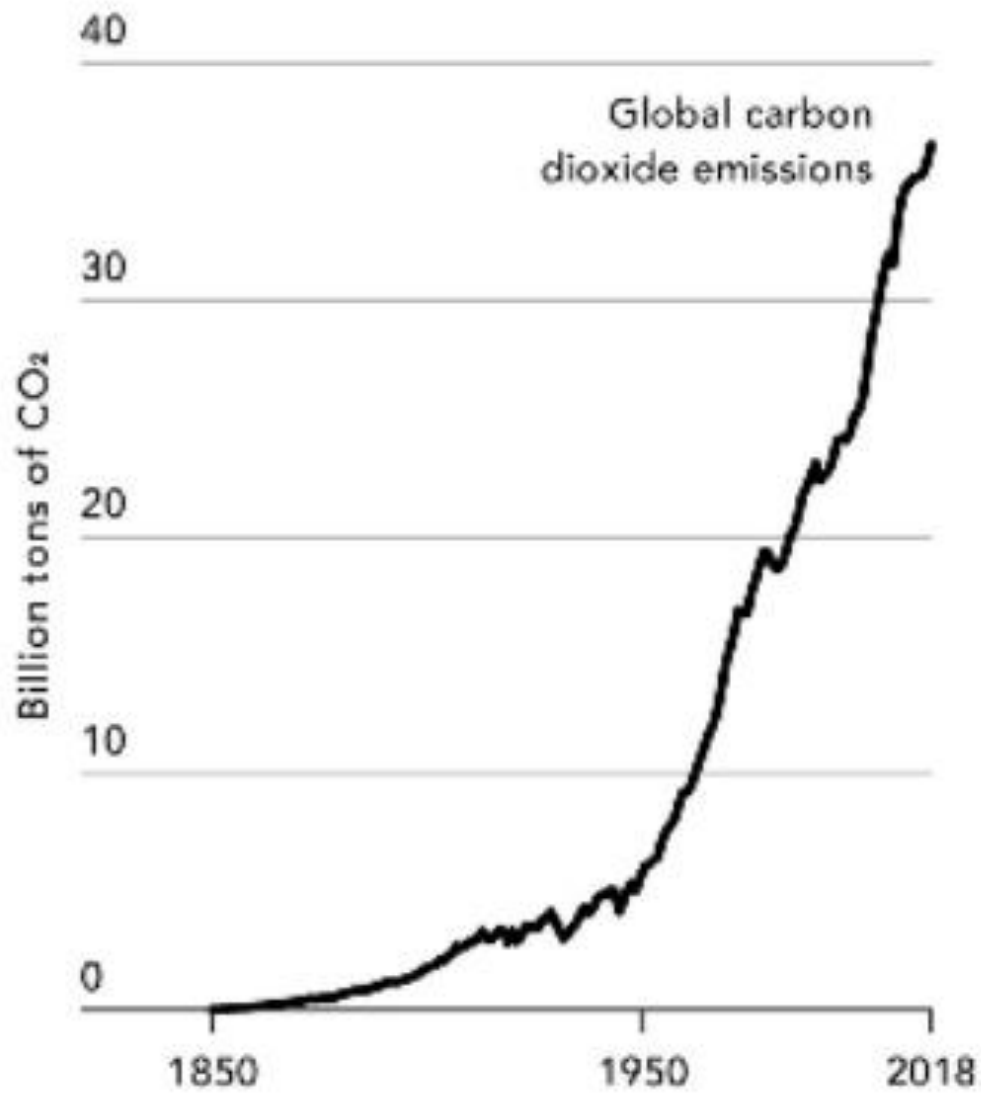


TRANSPORTATION & ENVIRONMENT COMMITTEE

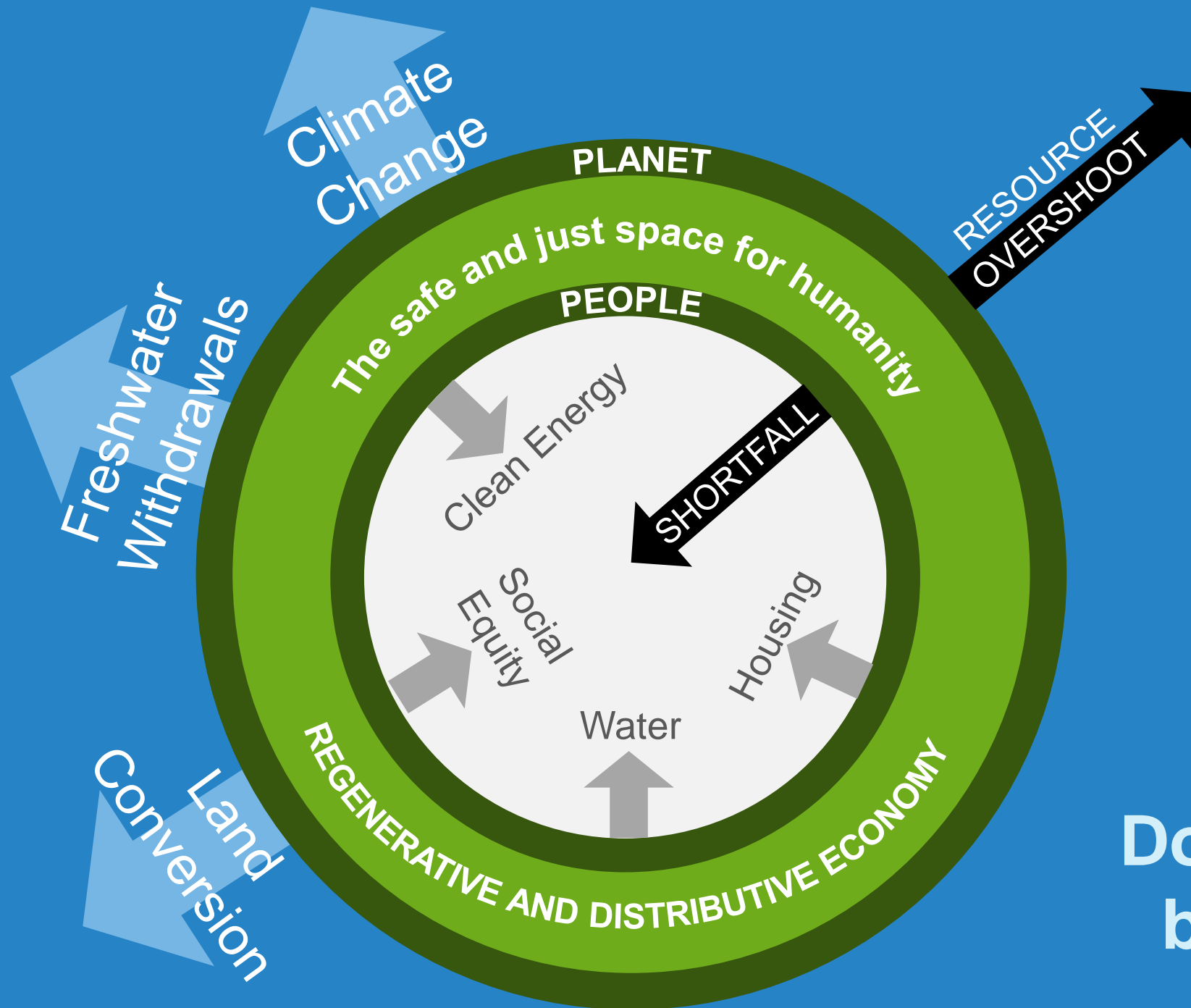
MARCH 6, 2023



PRESENTED BY: Kip Harkness, Deputy City Manager

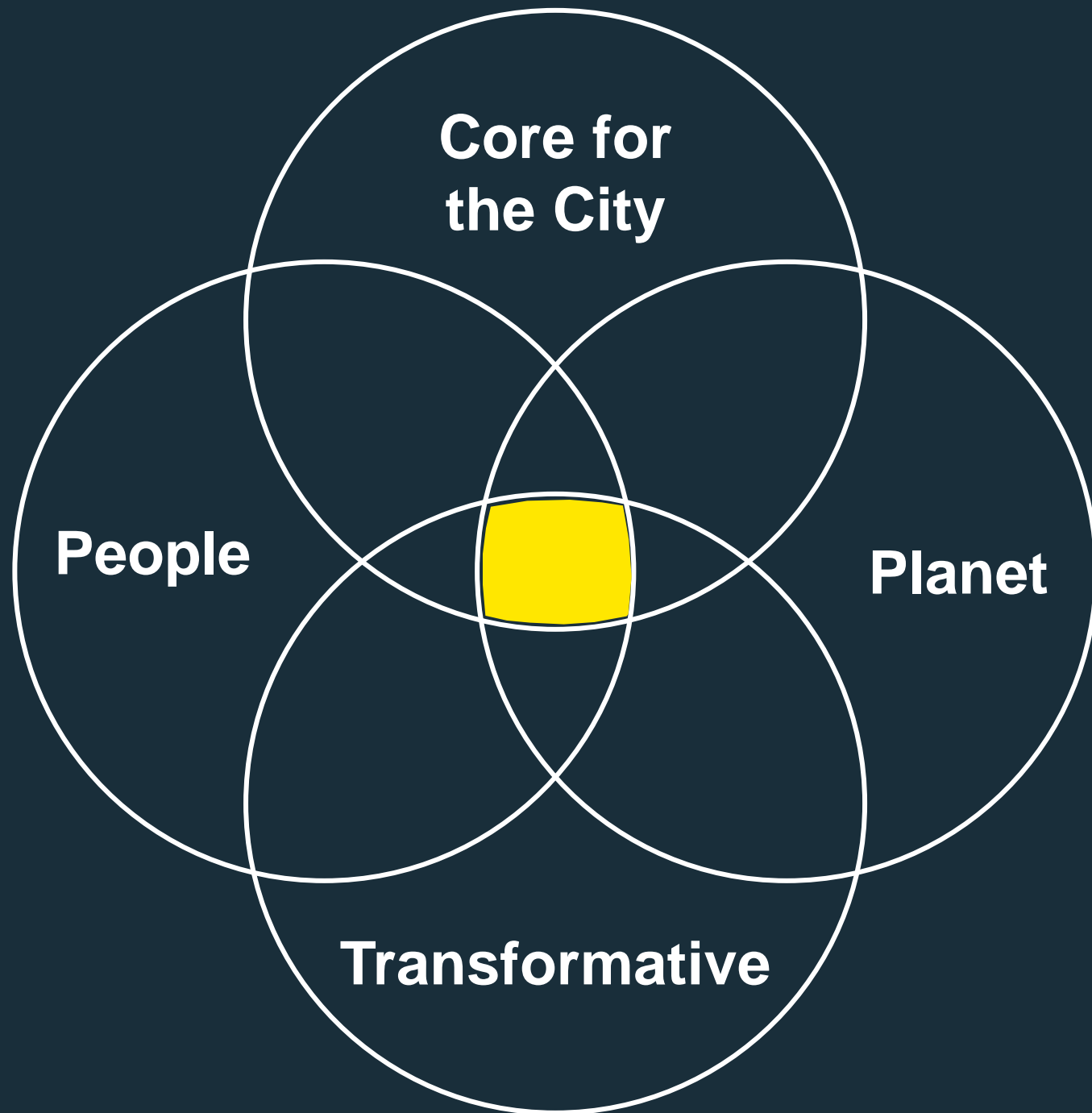


Gates, Bill. (2021). *How to Avoid a Climate Disaster: The Solutions We Have and the Breakthroughs We Need*.








Donut Economics
by Kate Raworth

WHAT
is our
focus?



Sustainable & Resilient City Infrastructure and Emergency Preparedness Enterprise Priority

Objectives	Disaster Ready & Climate Smart	Infrastructure Resilience	Clean Energy Resilience	Water Resilience	Natural Environment Restoration
					
Workstreams & Drivers	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	

Sustainable & Resilient City Infrastructure and Emergency Preparedness

Q2 Key Results (OCT – DEC)

Objectives

Key Results

Disaster Ready & Climate Smart



Prepare the City for the Next Disaster

1. Complete one workshop for the EOP and each Annex (4). 2. Provide feedback on draft COVID-19 AAR. 3. Obtain feedback for the MYTEP. 4. Conduct 2 CERT programs in language other than English. 5. Reach 75% completion on EOC construction

Seismically Safe "Soft Story" Apartments

1. Create a draft list of potentially affected soft story properties. 2. Begin analyzing the properties to create typologies of similar structures/resident risk. 3. Identify at least 3 different potential financing mechanisms for property owners, for further investigation. 4. Submit Phase 1 Grant Extension request to CalOES/FEMA

Climate Smart Decarbonization & Mitigation

1. Bring phase 1 administrative reach code update (solar and electrification readiness, EV charging infrastructure and equipment) to City Council for approval. 2. Complete final versions of NWL and ZW Elements

Infrastructure Resilience



Complete Funded Projects (Measure T)

1. Complete designs for following projects: FS 8, FS 32, PD Air Support Hanger & PD Training & Academy. 2. Identify multiple funding strategies to fully deliver all projects, present options to Budget & CMO. 3. Identify best site option for relocation of FS 23

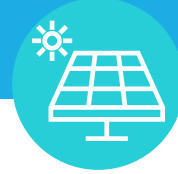
Address Infrastructure Backlog + O&M

No action. Expect to develop and submit a budget proposal in Q3

Seek New State/ Federal Funding & Policy

1. Develop and execute advocacy strategy for the Federal Safe Streets for All grant application which builds off successful \$10m earmark with the aim to use this earmark as a federal match. 2. In concert with City departments, evolve the legislative program to ensure infrastructure priorities are reflected in LP. 3. Meet with two members of Congress to clearly articulate infrastructure priorities and solicit their assistance in competitive Federal grant applications. 4. Conduct legislative advocacy day with state delegation in Sacramento to highlight infrastructure priorities

Clean Energy Resilience



Deploy Micro Grids for Resilience

1. Hire Program Manager. 2. Submit CA Resilience Challenge grant. 3. Determine FUSE fellow start

Downtown Large Project Electrification

1. Conduct Study Session on Downtown West Electrification. 2. If it's a go, then form the Utility. 3. Determine City's role in construction of CAISO lines

City Wide Building Electrification

1. Execute contract with BlocPower to implement the existing building electrification program. 2. Support submission for at least \$500,000 in external funding

Electric Vehicle Charging Infrastructure

1. Present Financial Analysis of DCFC Hub to City Council 12/6. 2. Recommend Pilot DCFC Hub to City Council 12/6.

Water Resilience



Rebuild Regional Wastewater Facility

1. Complete substantial construction completion for Advanced Facility Control and Meter Replacement Phase 1 and Blower Improvements by Dec 2022.

Create New Water Supply Opportunities

1. Complete Principal Engineer recruitment and on-boarding. 2. Sign LOI with Valley Water. 3. Sign MOU with SJ Water.

Sustainable Sewers - Sanitary & Storm

Define how equity can be used as part of the prioritization and selection of the project. Work with CAO, ESD and BO on equity analysis and determine how special fund restrictions may impact the prioritization and selection of sanitary sewer projects, particularly for cast iron sewer line replacement.

Green Infrastructure (Stormwater)

1. Provide clear presentation to City Infrastructure Team and CMO leadership outlining (a) Status, including any potential deficits, in meeting Baykeeper financial obligations; and (b) Status of GI project site selection and implementation progress
2. Resubmit budget proposal that provides resources for a coordinated approach to seeking and securing funding to address City's infrastructure backlog needs.

Natural Environment Restoration








Restore the Urban Tree Canopy

1. Two Assistant Arborists/one Program Manager Hired. 2. Award purchase orders for tree planting/maintenance services, and agreement with OCF on stewardship program. 3. Final 2 CFAC positions filled, first meeting scheduled

Protect Coyote Valley Open Space

Consultant team under contract to initiate Coyote Valley Monterey Corridor study.

Highlighting 3 workstreams today

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PREPARE THE CITY FOR THE NEXT DISASTER



It does not seem to matter that the defendant people playing at the defendant head of the defendant prior to the






DEPLOY MICROGRIDS FOR RESILIENCE



A photograph of a water treatment facility. Large green pipes are elevated on concrete pillars. A prominent red handwheel for a valve is visible on one of the pipes. The pipes are labeled "RO SUPPLY" with arrows indicating flow direction. The background shows a cloudy sky and some distant hills.

CREATE NEW WATER SUPPLY OPPORTUNITIES

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