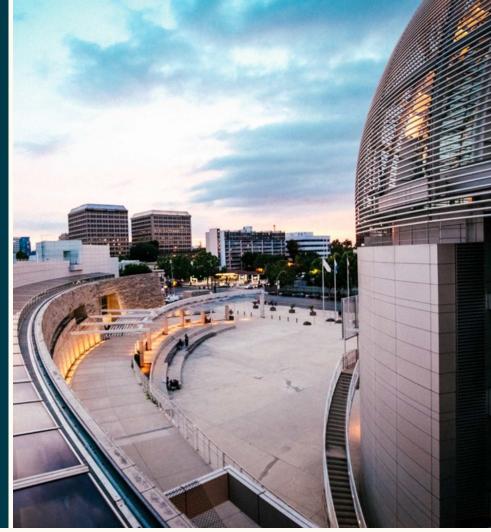


Transportation & Environment Committee
December 07, 2020

Presented by Jeff Provenzano, Deputy Director

– Water Resources Division





Objective



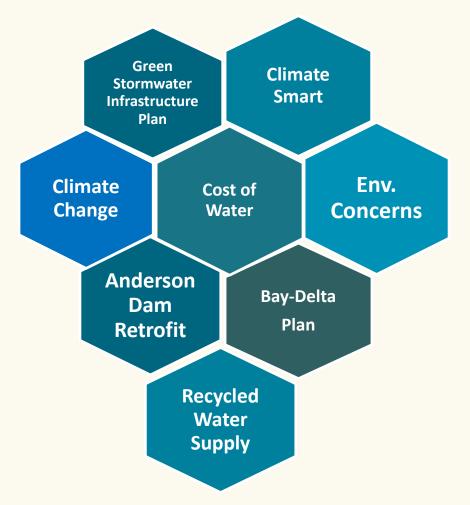
Integrate existing water infrastructure to create a cohesive distribution system conveying stormwater, non-potable groundwater, and recycled water in a way to maximize underutilized assets and increase the non-potable water supply.

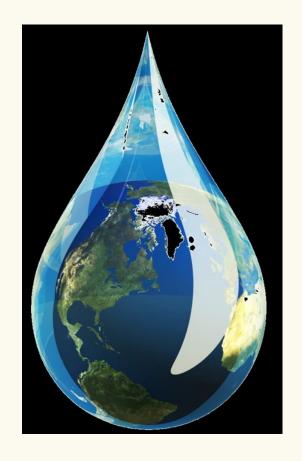




Background





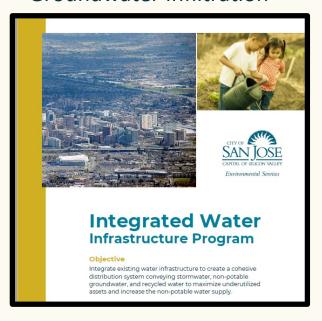


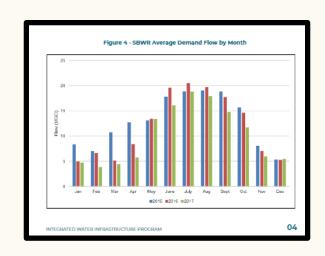


Existing Infrastructure and Water Supply Options

What is non-potable water?

- Non-potable Groundwater Wells
- Non-potable Groundwater
- Groundwater Infiltration







Objective

- Stormwater & Stormwater Collection
 Systems
- Recycled Water & Recycled Water Distribution System

Program Focus



SAN JOSE CAPITAL OF SILICON VALLEY

Program Focus #1 – Stormwater Treatment

- Dry-weather stormwater treatment
- Utilize stormwater system during summer months
- Integrate with recycled water system





Parallel Benefits

• Green Stormwater Infrastructure Plan, Climate Smart, and water supply restrictions related to climate change and environmental concerns

CITY OF SAN JOSE CAPITAL OF SILICON VALLEY

Program Focus #2 - Non-potable Groundwater Supplies

- Existing non-potable groundwater wells
- Utilize both stormwater and recycled water systems



Parallel Benefits

 Cost effective alternatives, Climate Smart, recycled water expansion, Anderson
 Dam Retrofit Project, and water supply restrictions related to climate change and environmental concerns



Program Focus #3 – Recycled Water / Non-potable Water Distribution Facilities

- Strategic infrastructure investment
- Conveyance methodologies





Parallel Benefits

 Climate Smart, recycled water expansion, Anderson Dam Retrofit Project, and water supply restrictions related to climate change and environmental concerns

Funding Strategy & Next Steps



- Funding
 - Voluntary contributions from water retailers and partner agencies
 - Total \$2M over 5-year period
- Next Steps
 - Execute Agreements with interested Partners
 - Develop and implement pilot projects
- Project Milestones





Thank you