



# One Water Overview

Resource Management and  
Climate Protection Committee  
April 21, 2021



# Topics:

1. Basics of One Water
2. Existing Efforts
3. Discussions with BAWSCA
4. Committee Discussion





# Basics of One Water

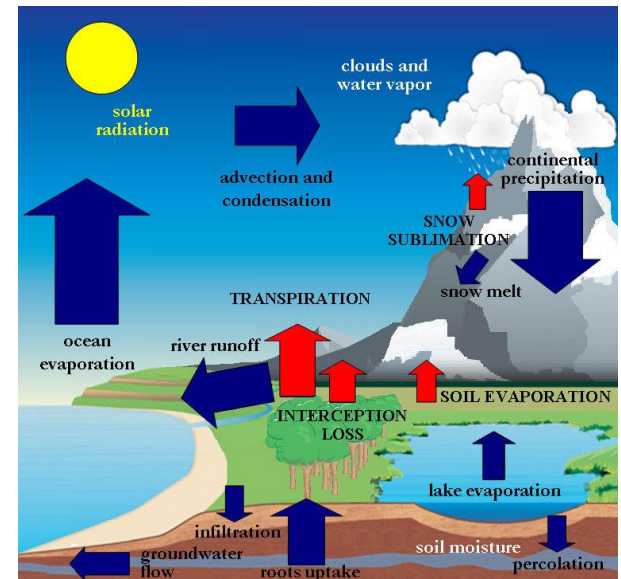
Water is a scarce resources on this planet:

- 97% salt water
- 2-3% mostly in glaciers
- Leaves about 1%

## Hydrologic Cycle Sources

- Rain and Snow
- Creeks and Rivers
- Groundwater

(Groundwater use is significant in northern SMC)





# Basics of One Water

**One Water** is an integrated planning and implementation approach to managing finite water resources for long-term resilience and reliability, meeting both community and ecosystem needs.

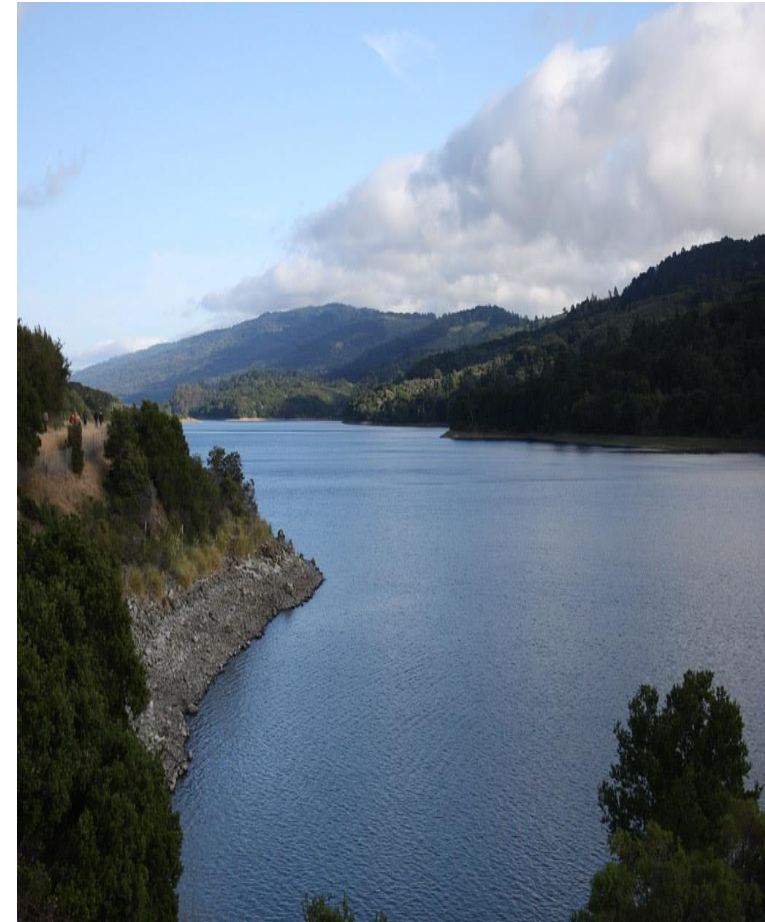




# Basics of One Water

What One Water Planning can include:

- Water Supply
  - Housing
  - Economic Development
- Waste Water
  - Recycling to non- or Potable
- Stormwater
  - Capture and Supply Offset
  - Flood Prevention
  - Habitat and Ecosystems
- Site Conservation
  - Grey Water and Landscape
- Groundwater
  - Sustainable use and Recharge







# Existing Efforts

## Local Efforts related to One Water

Orange Memorial Park (last RMCP meeting)

Redwood City Recycled Water

BAWSCA Water Conservation, Landscape, Alternative Sources

West Bay Sanitary District – Sharon Heights Golf Course

Silicon Valley One Water – Tunnel Project

Countywide Stormwater Program

Flood and Sea Level Rise District

County Groundwater Assessment

## Regional Coordination

Bay Area One Water Network

Santa Clara Valley One Water Plan

Bay Area Clean Water Agencies

## National Coordination

One Water Alliance

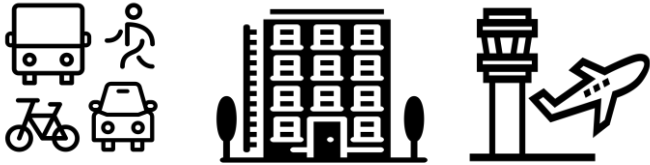


# Discussions with BAWSCA



- One Water has come up at both RMCP and the BAWSCA Board.
- There are a few projects in development in San Mateo County that will increase recycled water as a alternative source.
- Drought, especially with the current Bay Delta Plan, could mean significant additional conservation requirements.
- Additional coordination at the technical staff level across agencies would be worthwhile, to build awareness of agency projects, and to define opportunities and challenges to cross-agency coordination. These would be held quarterly and include key interest groups (labor, business, enviro NGOs, etc.)

# Committee Discussion & Questions



Kim Springer

Transportation, Energy, and Water

[kspringer@smcgov.org](mailto:kspringer@smcgov.org)