



One Water Overview

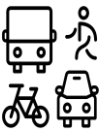
Resource Management and
Climate Protection Committee
April 21, 2021



Topics:

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





Basics of One Water

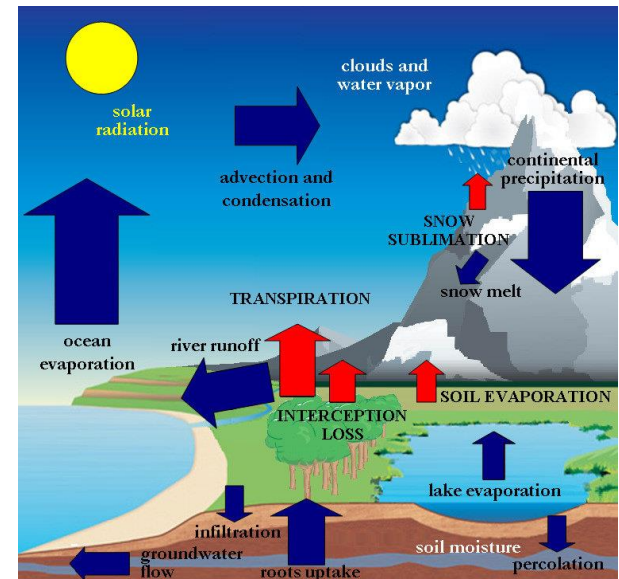
Water is a scarce resources on this planet:

- 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.

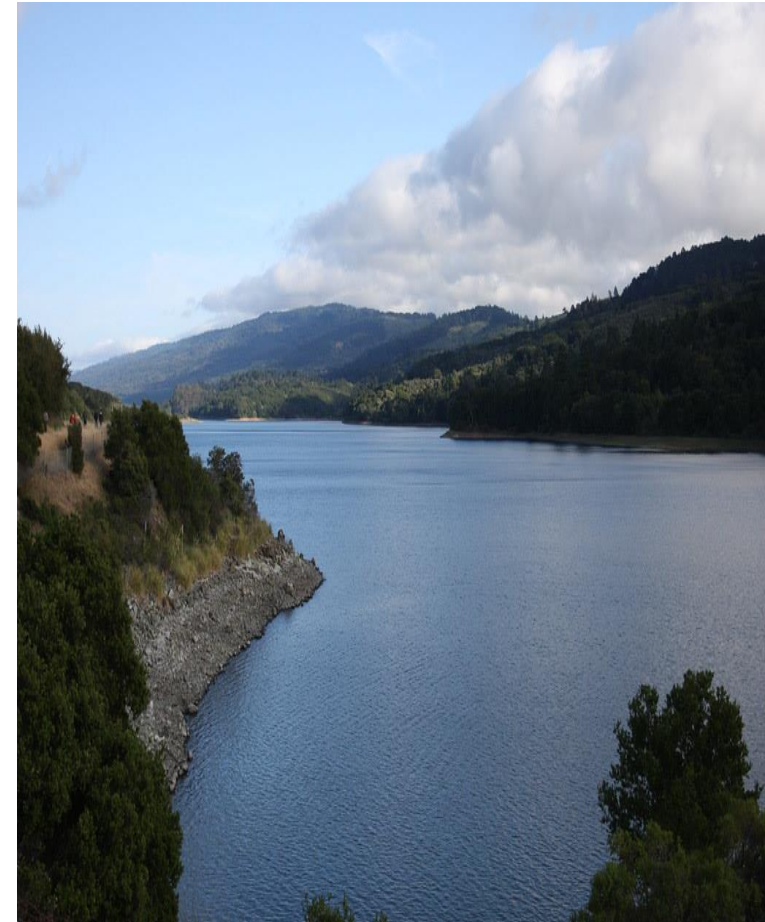




Basics of One Water

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

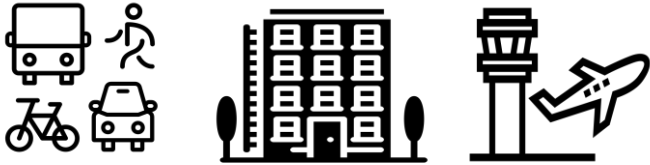


Discussions with BAWSCA



- 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



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