Alternative Water Supply (AWS) Plan

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Need for Alternative Water Supply Plan

- SFPUC faces water shortages in future dry years with changing regulations and climate change.
- SFPUC Commission faces decision on whether to make San Jose and Santa Clara permanent by 2028.
Regional Water System’s Ability to Address Demands In Dry Years (Supply, Rationing)

System Needs from Existing Permanent (Wholesale and Retail) and Interruptible Customers

What Alternative Water Supply Program is Trying to Solve
Basis for Planning: Influencing Factors (Drivers)

**Water Availability**
- 2018 Bay-Delta Plan Amendment
- Climate uncertainty
- Future regulations

**Obligations**
- Legal and contractual
- Retail service area
- Decision on San Jose and Santa Clara

**Demands**
- Demand projections
- Reliance on SFPUC Regional Water System

**Gap**
Plan for Obligations, Build for Demands

Meeting Obligations

Water Availability
152 mgd
With 2018 Bay-Delta Plan Amendment

Existing obligations + San Jose & Santa Clara
265 mgd + 9 mgd

Water Supply gap
-122 mgd

Meeting Demands

Water Availability
152 mgd
With 2018 Bay-Delta Plan Amendment

Total 2045 demands on the RWS
244 mgd

Water Supply gap
-92 mgd
1. Daly City Recycled Water Expansion
2. SF-Peninsula Regional PureWater
3. Alameda County Water District-Union Sanitary District Purified Water
4. South Bay Purified Water (with San Jose and Santa Clara)
5. Los Vaqueros Reservoir Expansion (Storage + Supply + Conveyance)
6. Calaveras Reservoir Expansion (Storage + Conveyance)

Other local and San Joaquin Valley projects beyond this Program could impact the gap that is being planned for.
Gap in Meeting Demands

- Daly City Recycled Water Expansion: 122 mgd
- Los Vaqueros Reservoir Expansion: 6 mgd
- SF-Peninsula Regional PureWater: 3.9 mgd
- Alameda County-Union Sanitary District Purified Water: 5.4 mgd
- Calaveras Reservoir Expansion: 28.6 mgd
- South Bay Purified Water: 3.5 mgd
- Los Vaqueros Reservoir Expansion: 48.1 mgd

Potential Effect of Rationing: 11 mgd

Remaining Gap to Meet Demands: 32.9 mgd

Obligations Beyond Demands: 30 mgd

AWS Projects in Planning: 92 mgd
Recommendation Highlights

Managing the Water Supply Gap

- Support funding for completion of local and regional groundwater projects (WSIP)
- Explore development of a fund to support implementation of local projects

**Potential budget impact:** To be determined

Filling the Water Supply Gap

- Implement 2 projects: Los Vaqueros Expansion (storage, supply, and conveyance components) and Daly City Recycled Water Expansion (4.6 mgd supply)
- Continue planning through CEQA and 30% design for remaining 4 projects
- Create 3 new positions for planning and implementation of Alternative Water Supply Program

**Potential budget impact:** New funding of $209 million estimated over next 10 years; will be further evaluated by Alternative Water Supply Program staff working with Capital Planning and Finance teams in light of other capital investment and financial sustainability priorities in the FY2025-FY2034 Capital Improvement Program (CIP) budget development process
Key Takeaways

1. Alternative Water Supply Projects can improve dry year reliability but will not eliminate the projected gap in 2045.

2. Implementing Alternative Water Supply Projects will need additional staff support in key strategic areas (operational integration, purified water, financing).

3. Affordability is a key issue that needs to be addressed as we invest in Alternative Water Supplies.

4. Parallel actions to manage and reduce the gap, such as Voluntary Agreement negotiations and demand reduction, are critical.

5. The question of how to make San Jose and Santa Clara permanent remains and is being evaluated through the South Bay Purified Water Project.
Schedule and Next Steps

Today: Presentation – AWS Plan preview

End of June – Draft plan available on SFPUC website

End of August – Comments due on the AWS plan

October / November – Final AWS Plan to SFPUC Commission

For more information visit: sfpuc.org/awsplan