

Memorandum of Understanding with the Santa Clara Valley Water District for Collaborating on Assessing the Feasibility of Water Reuse Alternatives



Sunnyvale/District - Background

Agreements	Project Details
2013 – Wolfe Road	<ul style="list-style-type: none">• Construction of Wolfe Road Pipeline - Est. Completion, Fall 2017
2014 – MBR Alternative	<ul style="list-style-type: none">• Inclusion of Membrane Bio Reactor (MBR) as a Plant Rebuild Alternative - DONE
2016 – IRWMP Grant	<ul style="list-style-type: none">• Joint Grant Agreement to Improve Reliability of Recycled Water Production and Deliver through Wolfe Road Pipeline to Apple Campus – Est. Completion, Fall 2017
2017 – Feasibility Studies	<ul style="list-style-type: none">• County Wide Options for Re-use and Sunnyvale's Inclusion in those – Est. Completion, 2018

Current Active Projects

Continuous Production /Wolfe Road
– IRWMP Grant Funded



Wolfe Road Pipeline

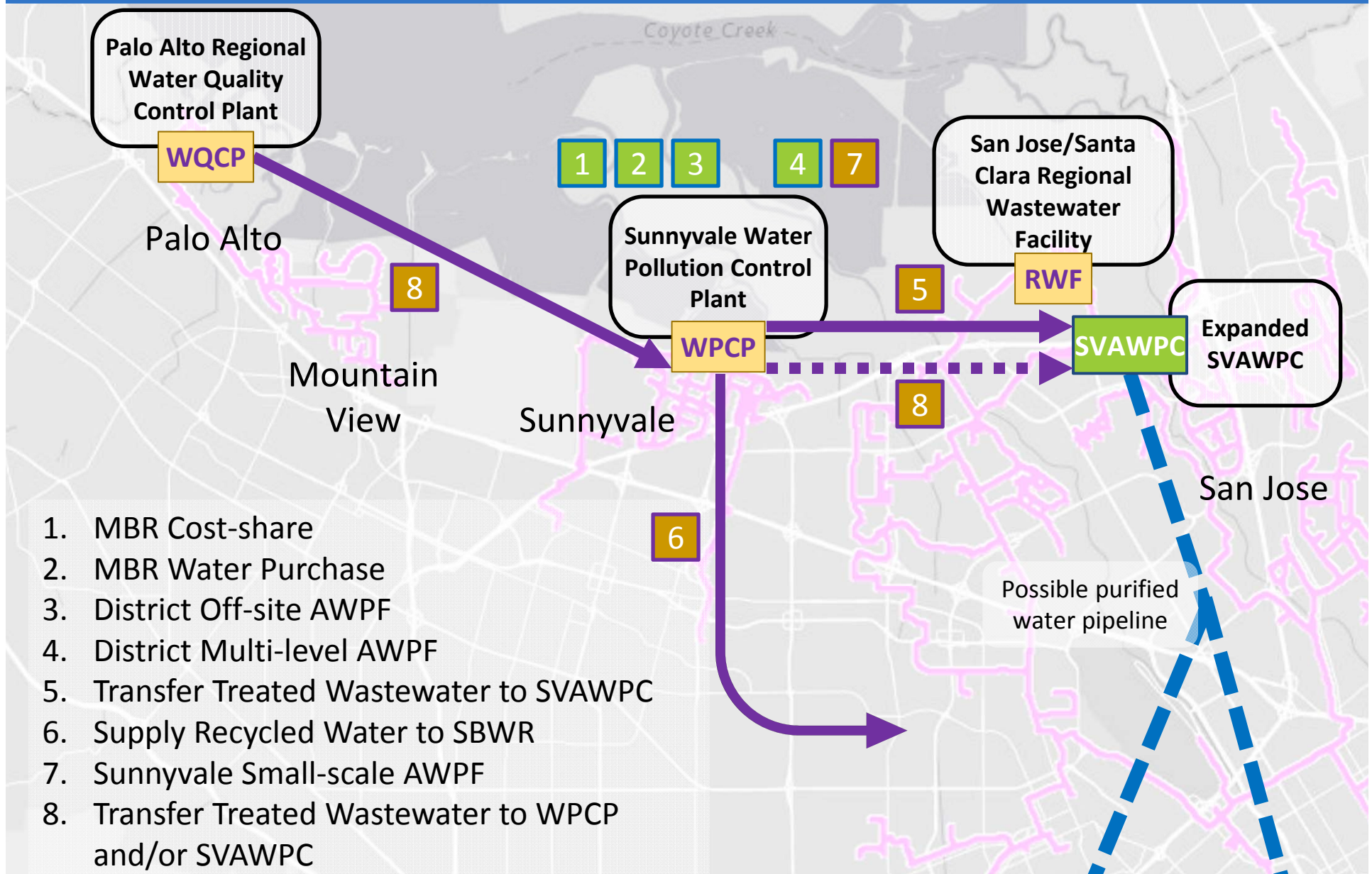
Continuous Recycled
Water Production



Sunnyvale/District MOU – December 31, 2020

	Feasibility Studies
Source Water and Quality	<ul style="list-style-type: none">• Assumes availability of 5-10 MGD tertiary• First right of refusal by District, before City pursues other partners
Alternative Projects	<ul style="list-style-type: none">• Several projects including purified water and/or expansion of recycled water
Land	<ul style="list-style-type: none">• Alternative: City's decommissioned landfill (5 acres)• Alternative sites at/near WPCP
RO Concentrate	<ul style="list-style-type: none">• Engineered wetlands, existing ponds, or San Francisco Bay
Governance	<ul style="list-style-type: none">• Joint City-District Recycled Water Committee• Technical Advisory Committee
Potential Impacts	<ul style="list-style-type: none">• Reduced flow to Bay• Loss of existing open space (for some siting alternatives)

Sunnyvale Water Reuse Alternatives



Staff Recommendation

- Authorize the City Manager to execute the Memorandum of Understanding (MOU) with the Santa Clara Valley Water District for Collaboration on Assessing the Feasibility of Water Reuse Alternatives.