



THE DPR COALITION

Implementation of Direct Potable Reuse:
An Analysis for California Water Utilities

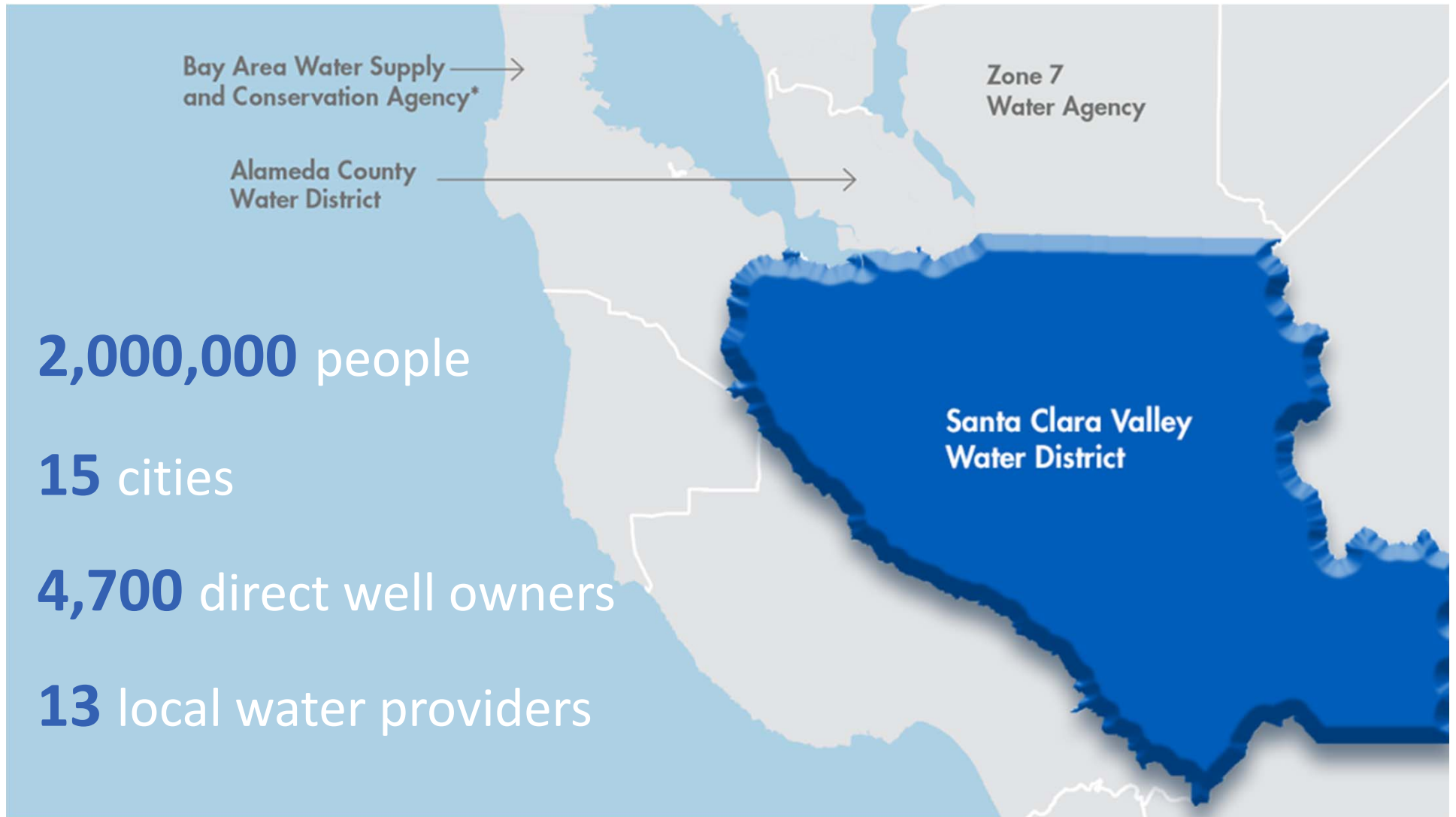
Presentation of Proposed DPR Projects

Santa Clara Valley Water District

Workshop #1
February 1, 2018
Los Angeles

NWRI

Agency Overview



2,000,000 people

15 cities

4,700 direct well owners

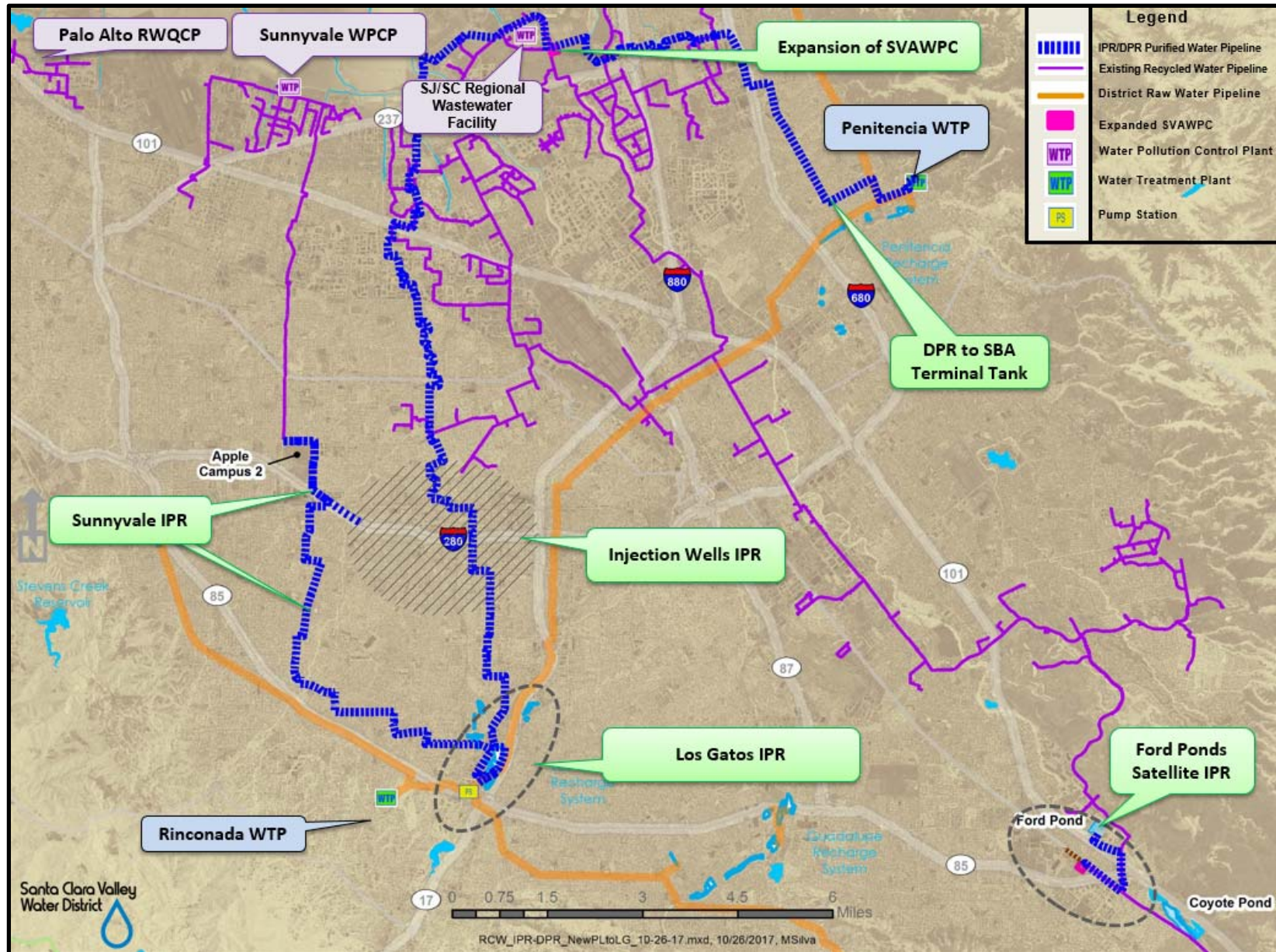
13 local water providers

Objectives and Goals

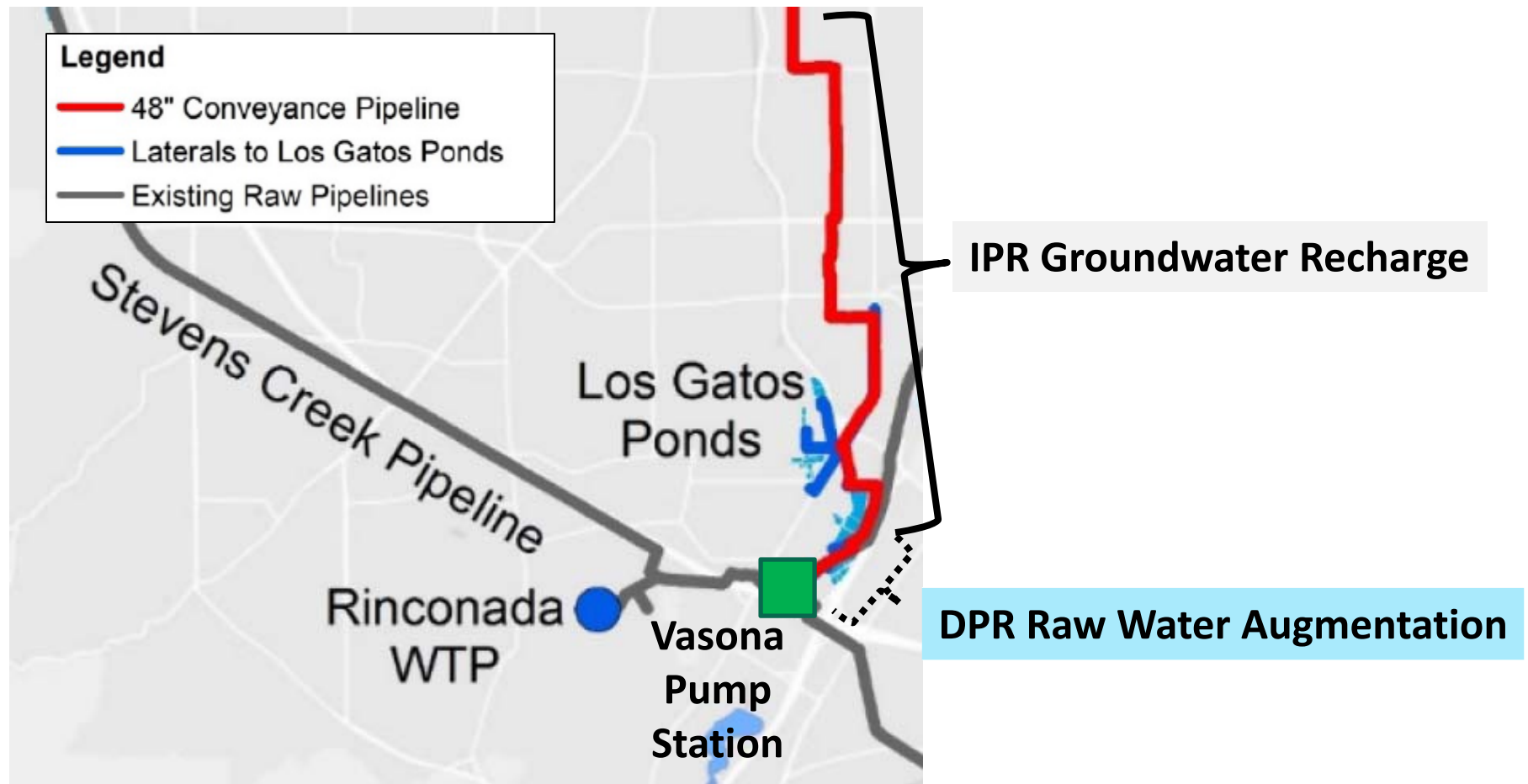
- Sustain at least 22,000 AFY of **non-potable** recycled water use
- Develop up to 24,000 AFY by 2025
- Develop up to 45,000 AFY of **potable** reuse



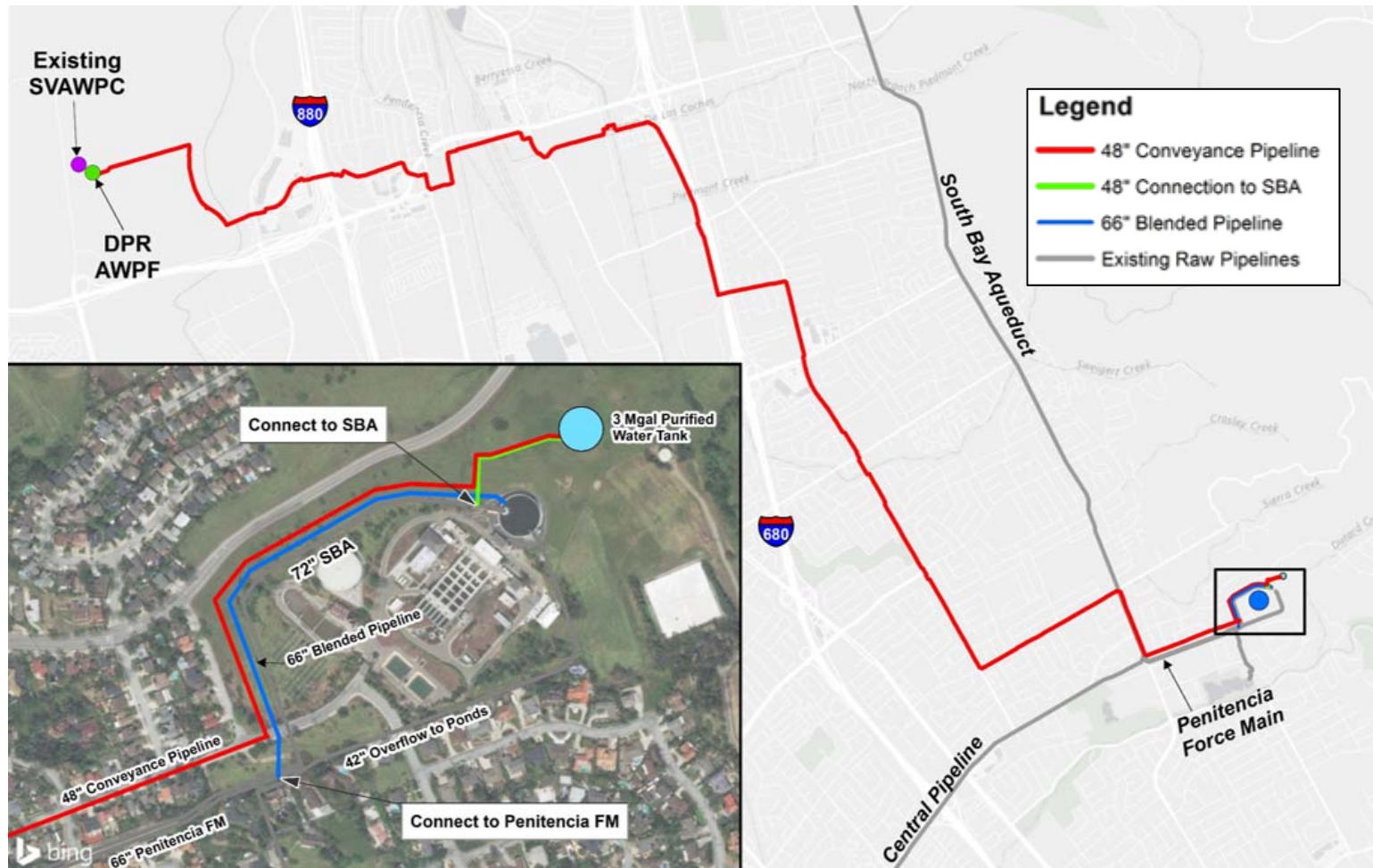
Proposed Potable Reuse Projects



Potential DPR Project at Vasona



Potential DPR Project at Penitencia WTP





Purified Water Program Development

- Countywide Water Reuse Master Plan
- Reverse Osmosis Concentrate Management
- Water reuse feasibility studies:
 - City of Mountain View
 - City of Palo Alto
 - City of Sunnyvale
 - San Francisco Public Utilities Commission & Bay Area Water Supply and Conservation Agency

Reverse Osmosis Concentrate Management

- Comprehensive planning for residuals management.
- Project components:
 - Engineered treatment cell pilot
 - Stakeholder workshops
 - Regulatory coordination
 - Water quality testing





Thank you

Potable Reuse Studies

- UV-AOP Oxidant Trial
- Demonstration Test Plan (SVAWPC Unit Processes)
- Total Organic Carbon RO LRV

