



Advancing Water Reuse in Santa Clara County



Valley Water

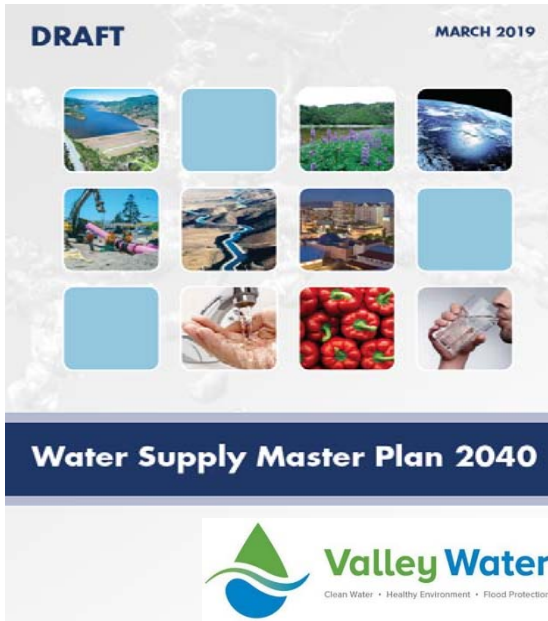
Clean Water • Healthy Environment • Flood Protection

siliconvalley



ADVANCED WATER PURIFICATION CENTER

Water Supply Master Plan



Imported water



Local surface & groundwater



The Master Plan is Valley Water's strategy for providing a reliable and sustainable water supply for Santa Clara County

Conservation



Recycled Water



Water Reuse: A Resilient Water Supply

Benefits

- Not hydrologically dependent
- Locally controlled
- Efficient use of existing supplies
- Consistent with “One Water” approach
- Supports “Ensure Sustainability” Strategy¹ #2 – Expand Reuse

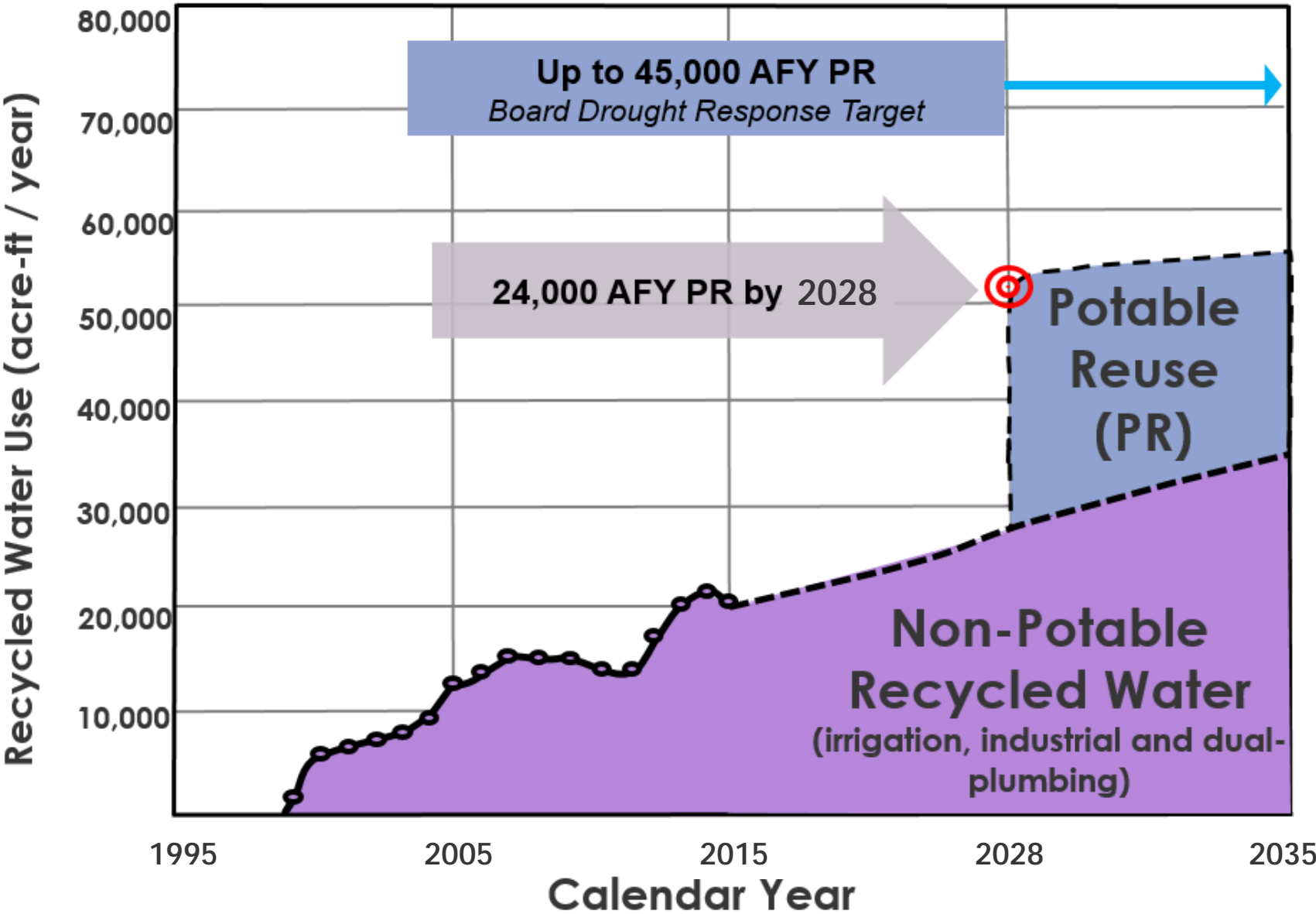
Board Policy

- 10% of water supply portfolio met through potable and non-potable reuse



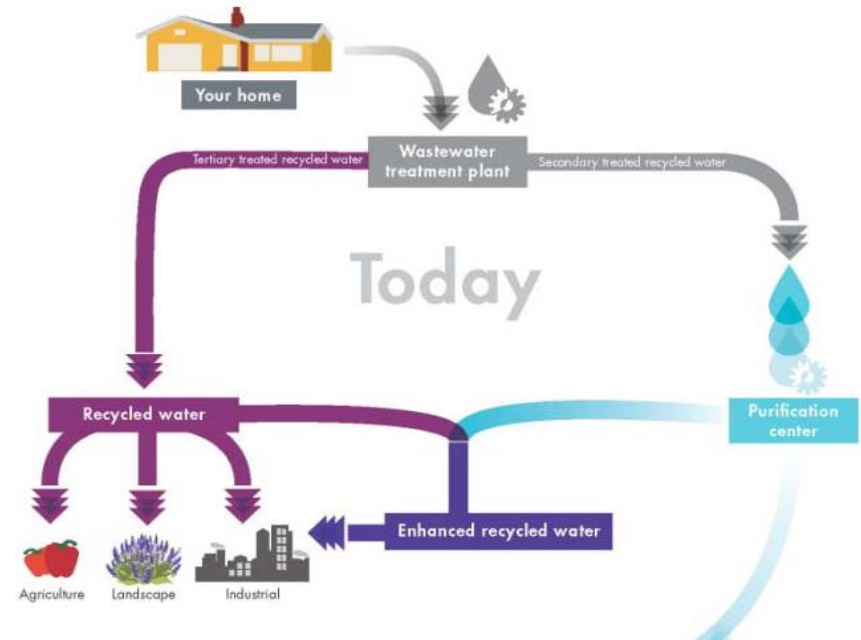
¹ From the Water Supply Master Plan.

Recycled and Purified Water Goals



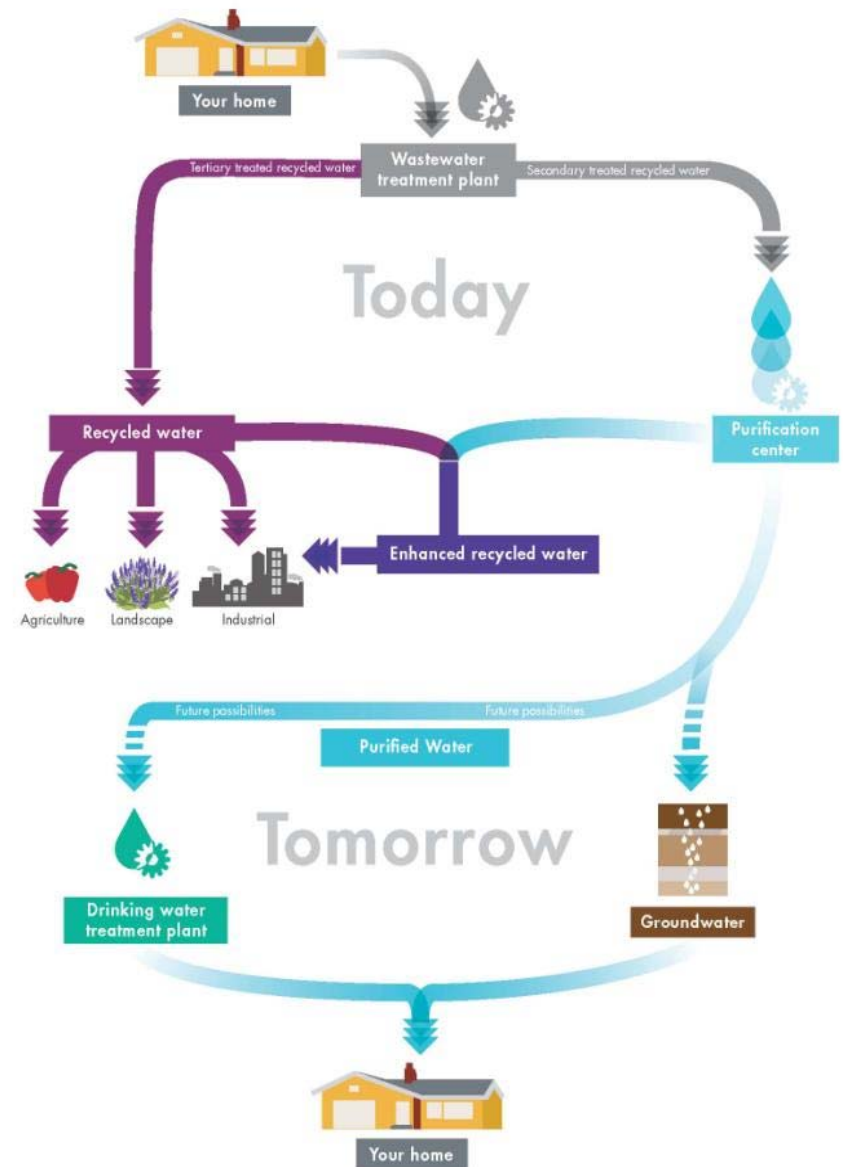
Silicon Valley Advanced Water Purification Center

- Online in March 2014, the Center produces up to 8MGD of purified water from secondary effluent.



Path Forward to Potable Reuse

- Demonstrate the technology
- Educate the public
- Engage regulators
- Research and pilot projects
- Validate treatment processes
- Train future potable reuse operators



Path Forward to Potable Reuse



Recycled Water Quality Enhancement



Reverse Osmosis Concentrate Piloting



8 MGD of Highly Purified Water



Outreach and Education

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Thank You. Now, let's start our journey...



Visit: www.purewater4u.org

Email: info@purewater4u.org

