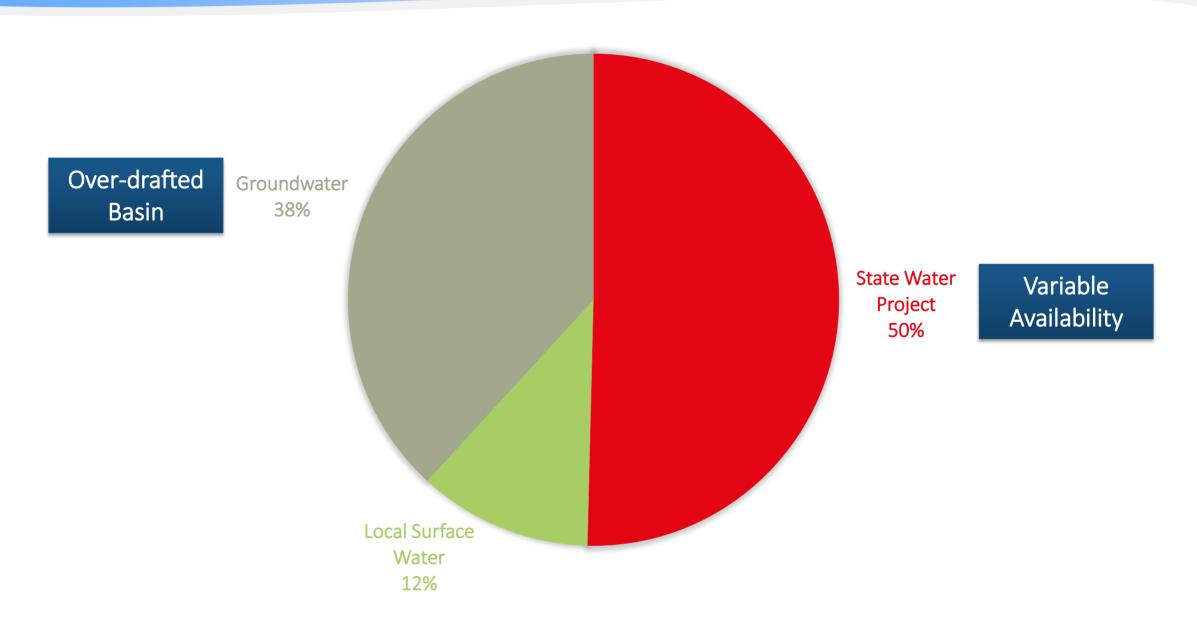


Palmdale Regional Groundwater Recharge & Recovery Project Progress Update

Palmdale Water District Board of Directors Meeting March 23, 2016









Status Quo



Conjunctive Use Water Bank



Potable Reuse Water Bank



45,000 AFY of Table A



9,000 AFY of Table A



O AFY of Table A





Meet Future Demand Needs



Diversify Water Supply Portfolio



Maximize SWP Water Supply



Increase Reliability



Provide More Local Control



## Surface Spreading GRRP

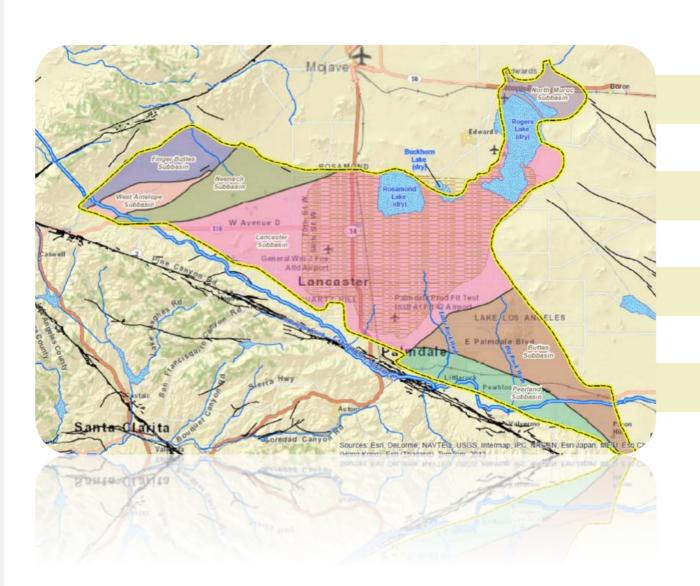
# 8,000-16,000 AFY Total Recharge

2,000-7,000 AFY Recycled Water 1,690 AFY Underflow

4,000-9,000 AFY SWP Surface Water

#### **Favorable Conditions**



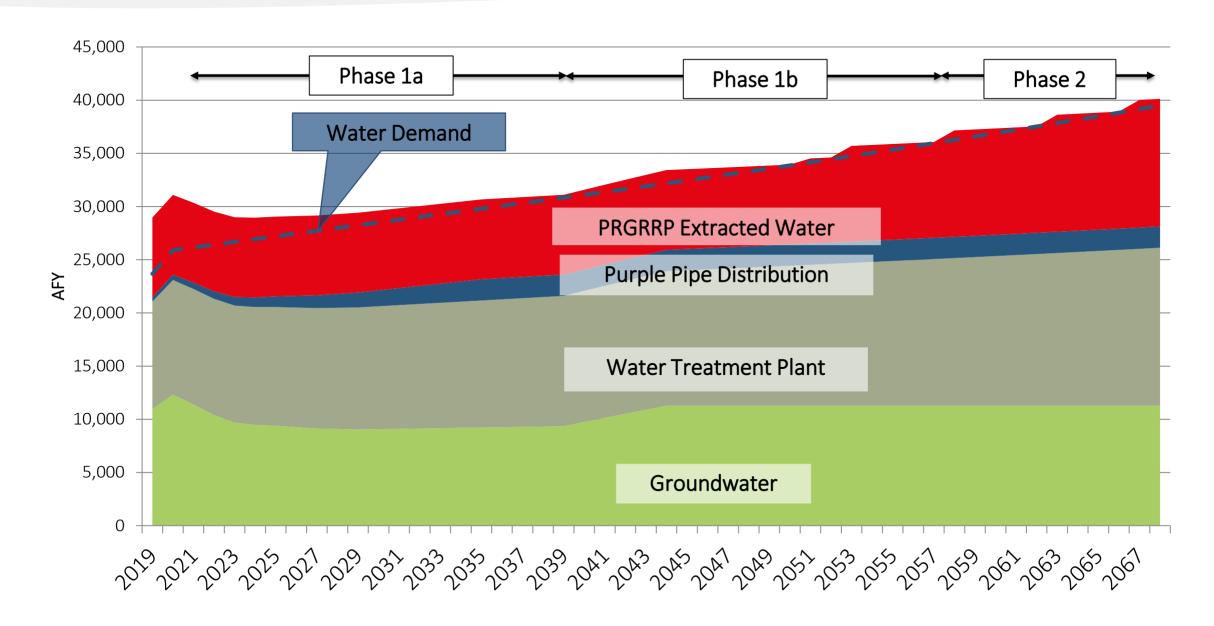


Large, over-drafted basin

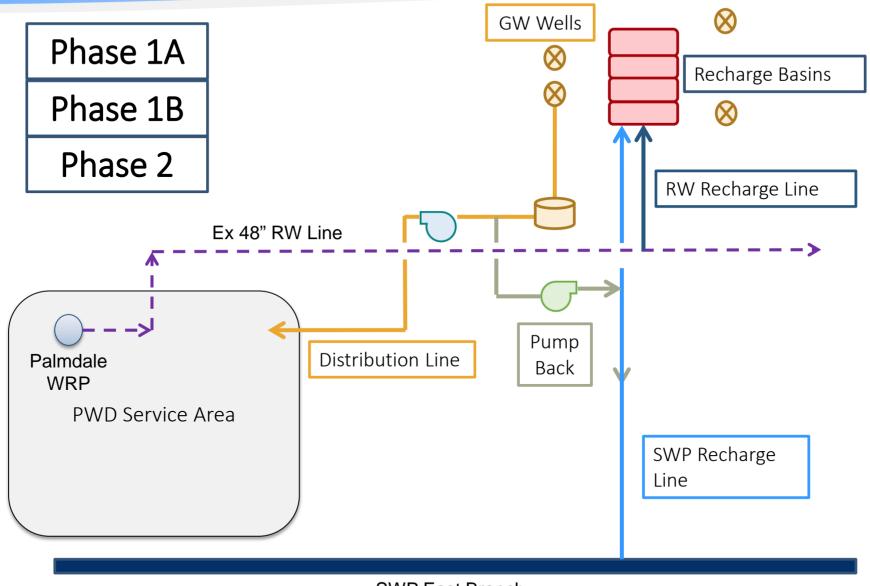
Close access to recycled water

Ample undeveloped land

Available diluent water







#### **Phasing Summary**



Phase 1A 2019-2038 Phase 1B 2039-2058

Phase 2 2059-2068

2 recharge basins

1 recharge basin

1 recharge basin

4 wells

2 wells

2 wells

Pipelines

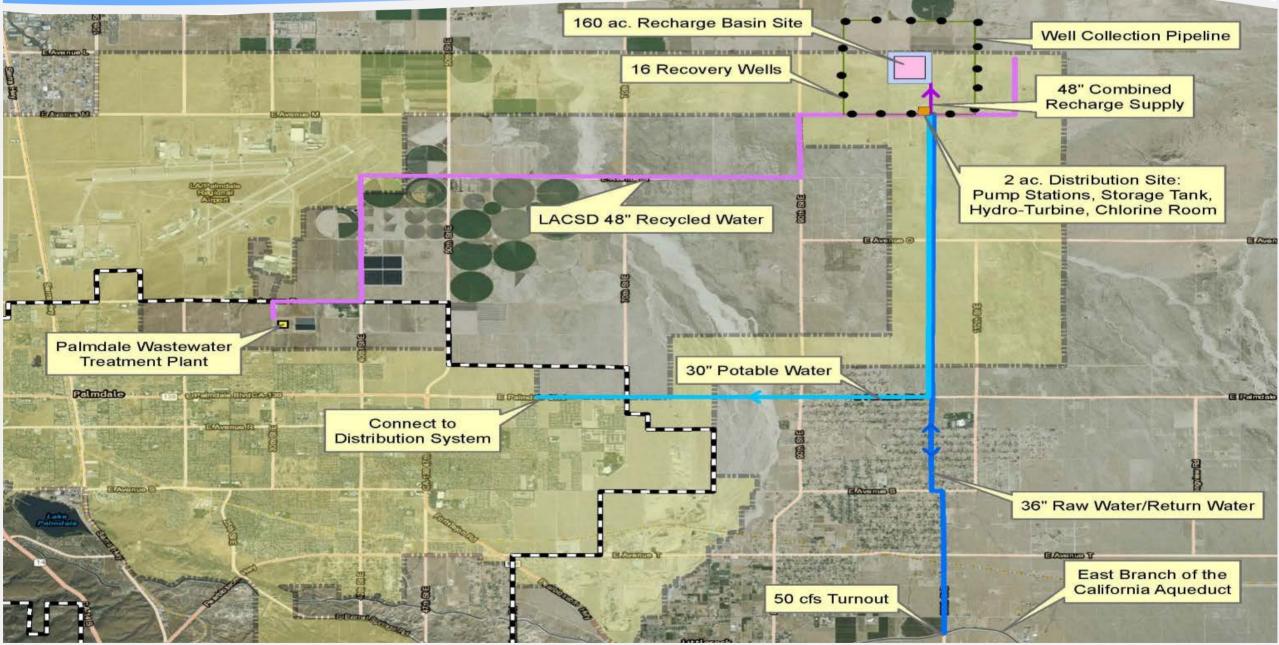
Storage tank

Pump station

#### **Facilities Map**









### Underflow

• 1,690 AFY



#### SWP Surface Water

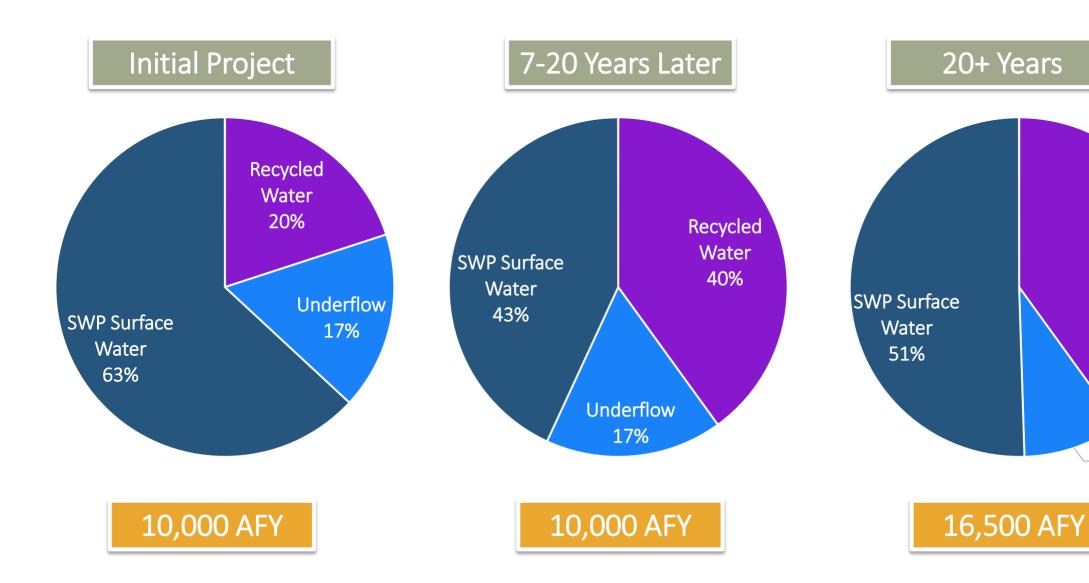
- 31,300 AFY Table A Amount
- 62% Long-Term Average Availability

Recycled

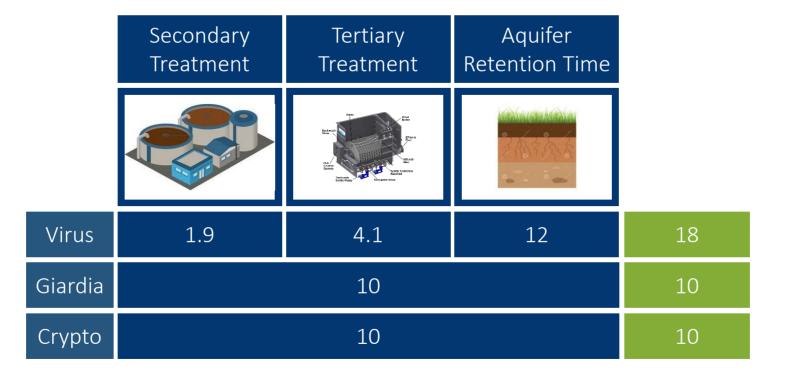
Water

40%

Underflow 9%







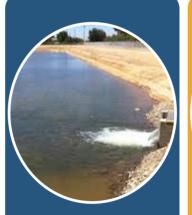




30" SWP Line



24" RW Turnout



80-acre Recharge Basins



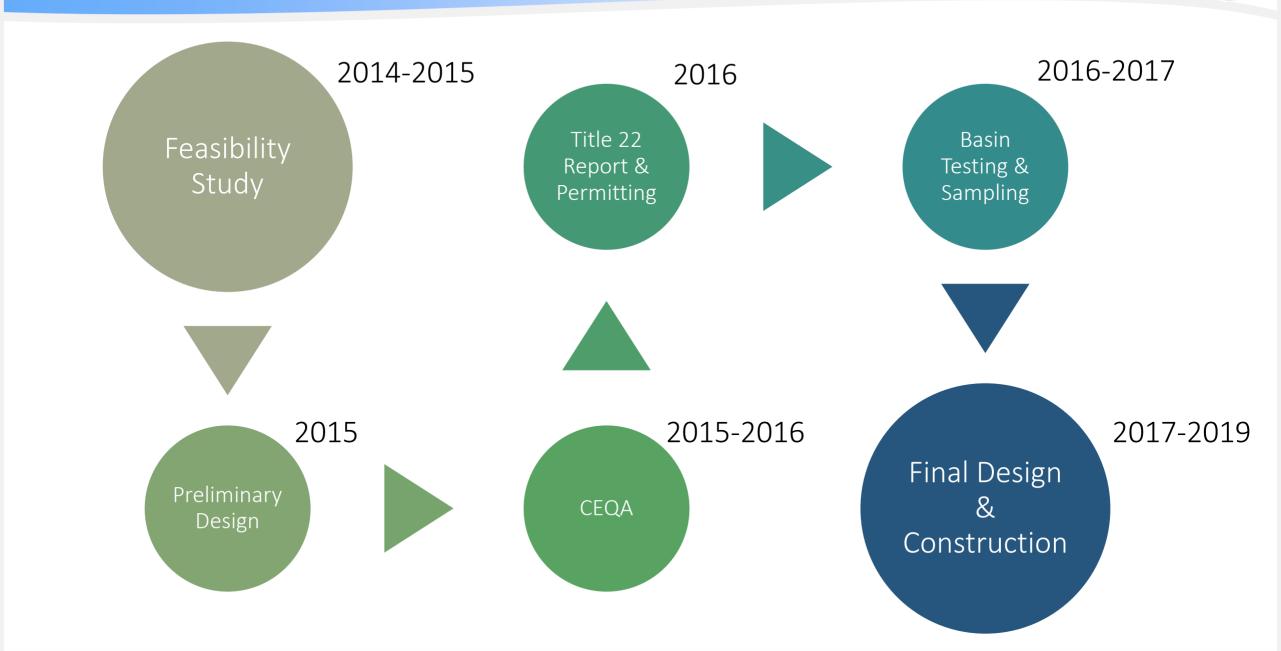
1,200 gpm Wells



1,600 hp Pump Station



30" Distribution Line

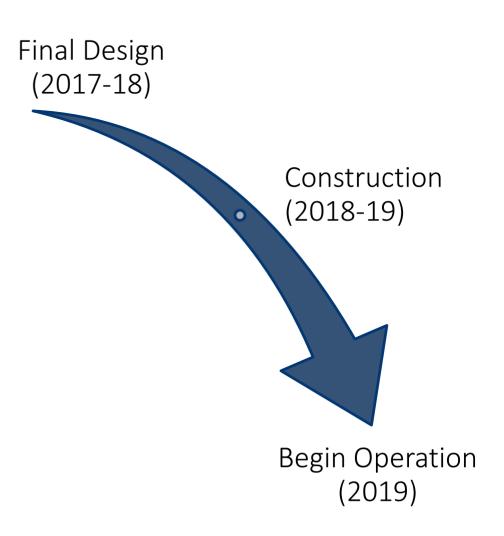














Independent Advisory Panel

Early Public Engagement





Stakeholder Involvement

Tapping into Project Partners' Resources





