



PURE WATER PROJECT
LAS VIRGENES-TRIUNFO

Bringing Our Water Full Circle

Pure Water Project Las Virgenes-Triunfo

AWPF Production, Utilization and Augmentation
Pure Water Project Las Virgenes-Triunfo
Project Update
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JPA's Pure Water Project has Three Core Objectives

Protect Malibu Creek

- Comply with more stringent regulatory requirements for discharging to Malibu Creek
- Divert flows from Tapia WRF

Create a Local Drinking Water Source

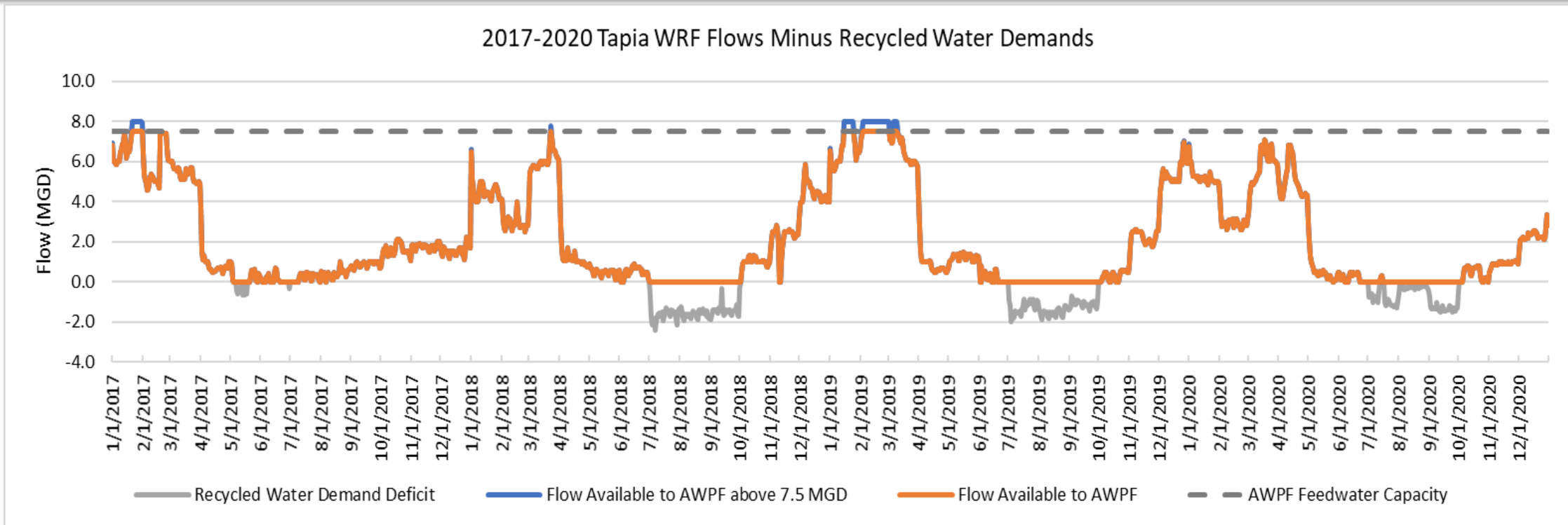
- Maximize reuse with reservoir water augmentation
- Create a viable resource to supplement the region's water supplies

Balance Seasonal Variation

- Balance seasonal variation of recycled water demand
- Manage salinity in the region with new Advanced Water Purification Facility (AWPF), conveyance, and concentrate management



Seasonal Imbalance



- AWPF sized to meet the excess amount anticipated in the winter, which means it is underutilized during the summer and shoulder months

Anticipating Flows for the AWPF

- The available supply of recycled water produced at Tapia WRF
 - *Conservation*
 - *Infiltration and Inflow*
 - *Precipitation*
- The demands on the Title-22 recycled water system at the time of operation of the AWPF
 - *Weather*
 - *Time of Use*
- The success and timing of augmentation sources directed to the AWPF or Tapia WRF.

AWPF Production Projections

Yearly Production (AFY)	Description
2,100	Initial capacity based on historical record. This is an average of what is available excess from Tapia WRF
3,100	2035 goal for AWPF with development of augmentation sources
5,000	2040 (ultimate) goal for AWPF production based on development of ,multiple augmentation sources regionally
6,730	Theoretical capacity of a 6 MGD plant running at 100% capacity for a full year. Due to the need for plant maintenance, water quality variations, changing influent water, and other logistical considerations, this is not a realistic target.

Values referenced in: Title XVI grant application with BOR, WIFIA Letter of Intent (LOI), SRF Application, MWD LRP Application, Multiple studies available on www.ourpureH2O.com website

Constraints to Physical Expansion

- Existing Infrastructure
- Stranded Assets
- Maintenance and Operation of the AWPf
- Site Constraints

JPA is Building a “Right-Sized” Facility





Malibu Creek

Thank You