



Recycled Water System Update

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ENVIRONMENTAL SERVICES
MANAGER

Program Goals

Objective: Expand Recycled Water Service to Urban and Recycled Water Customers

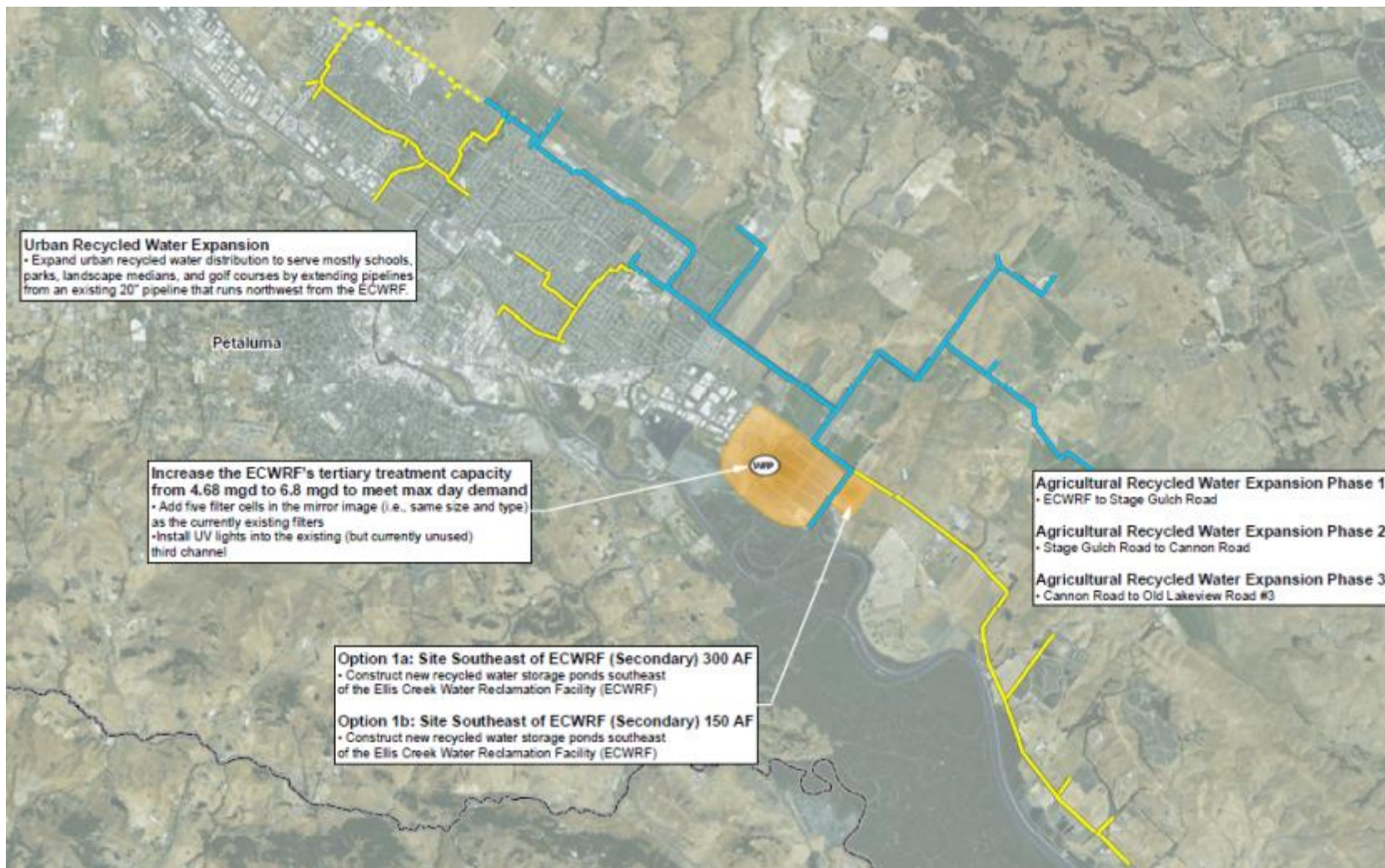
Purpose: To reduced demands on potable water supplies, generate revenue to support recycled water system operations, reduce effluent discharges to the Petaluma River, and improve regional water supply reliability by reducing reliance on groundwater and providing local supply to meet water demand

Introduction

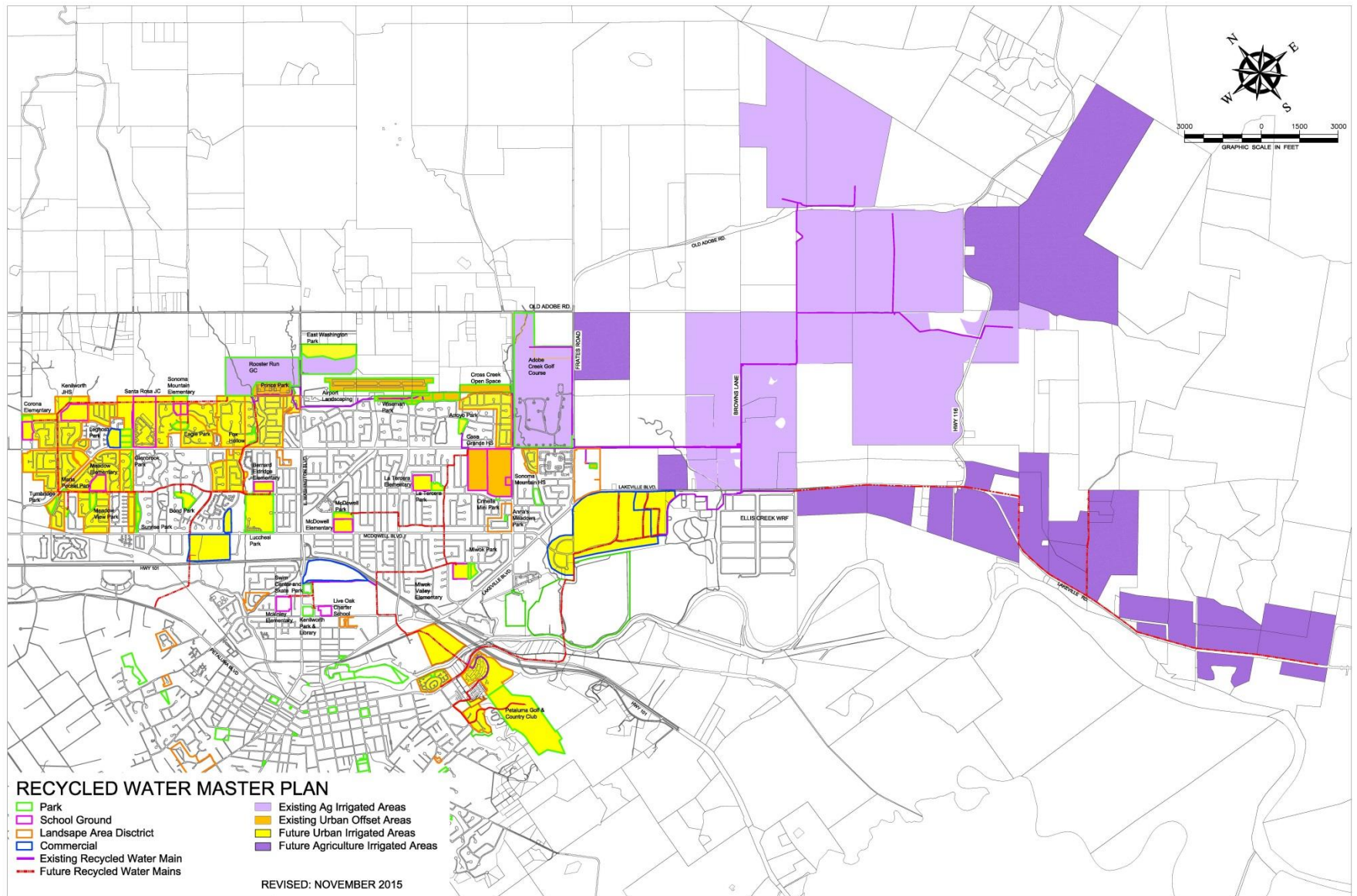
- Review Recycled Water System Master Plan
 - Existing Projects Underway
 - Distribution System Phasing
 - Expansion of Tertiary Treatment
- North Bay Water Reuse Authority Program
 - Feasibility and Environmental Studies
 - Grant Objectives

Recycled Water Program Summary

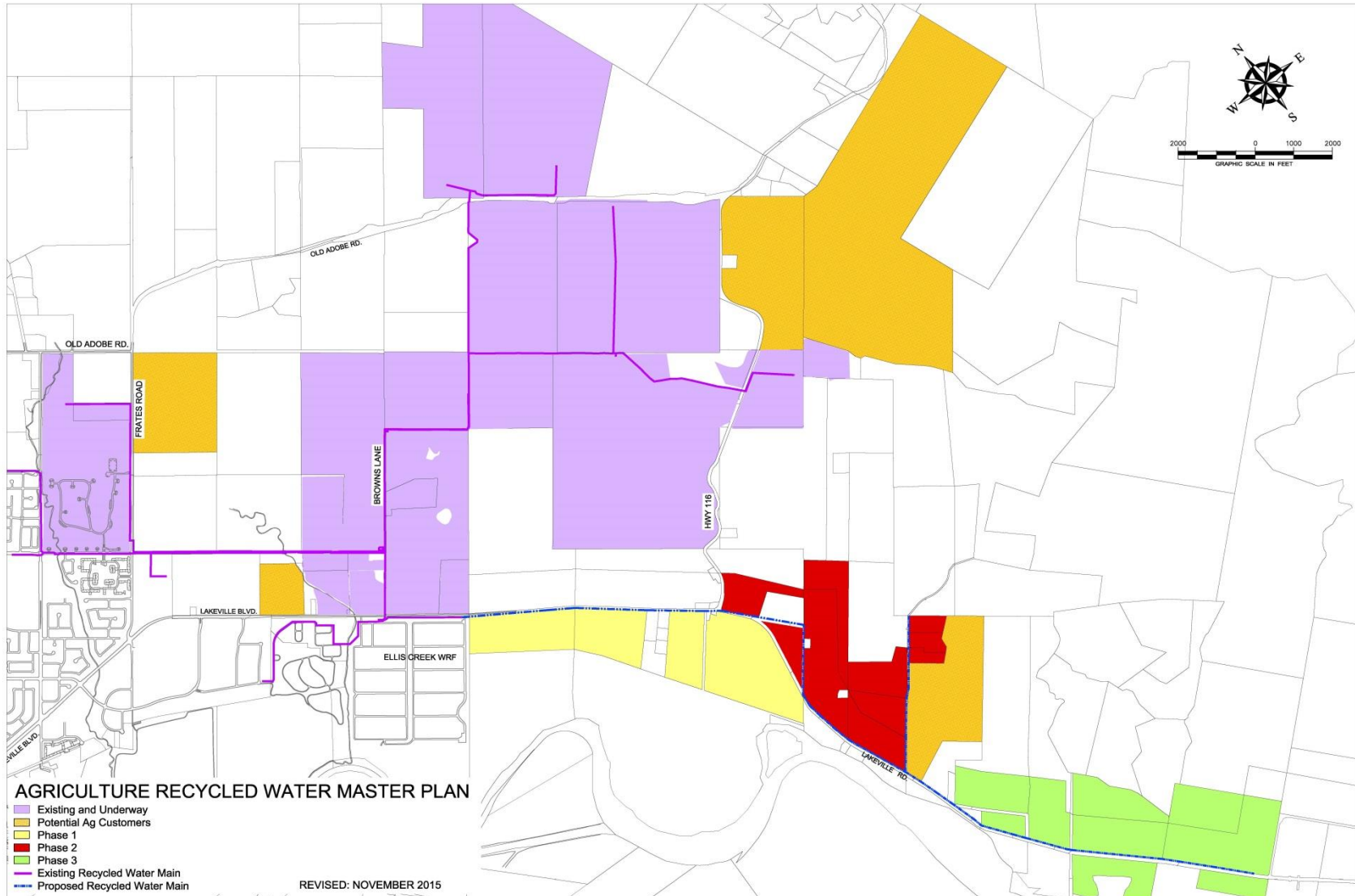
Phase	Project Element	Target Start Date	Funding Targeted			
			City	State Prop 1 Grant	USBR Title XVI Grant (NBWRA)	State Revolving Loan
Existing Projects	Extend Services to LAD's and Parks. Add Ag customers where feasible.	2015-6	Yes	No	No	No
Near Term Projects	Extend Pipe along East City Limits to Corona and in Business Park to Kaiser	2016	Yes	Yes, have applied	No	No
Phase 1	Expand Tertiary Capacity & Expand Urban and Ag Distribution	2017	Yes	Yes	Yes	Yes
Phase 2	Expand Urban and Ag Distribution	Beyond 2018	Yes	Yes	Yes	Yes
Phase 3 – Far Future	Expand Urban and Ag Distribution and Add Effluent Storage at Ellis Creek WRF	> 20 Years	Yes	Unknown	Unknown	Unknown



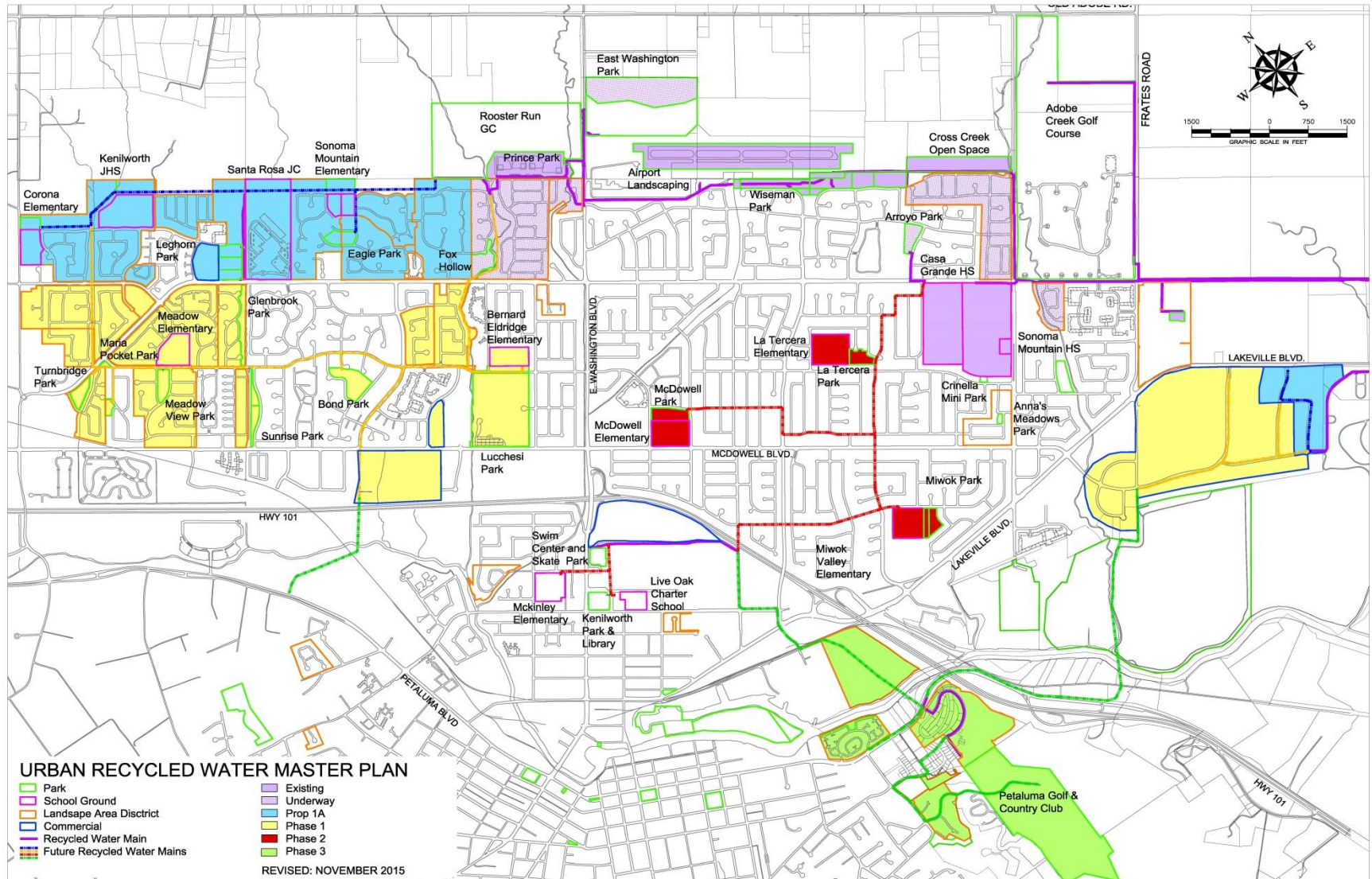
Recycled Water Master Plan



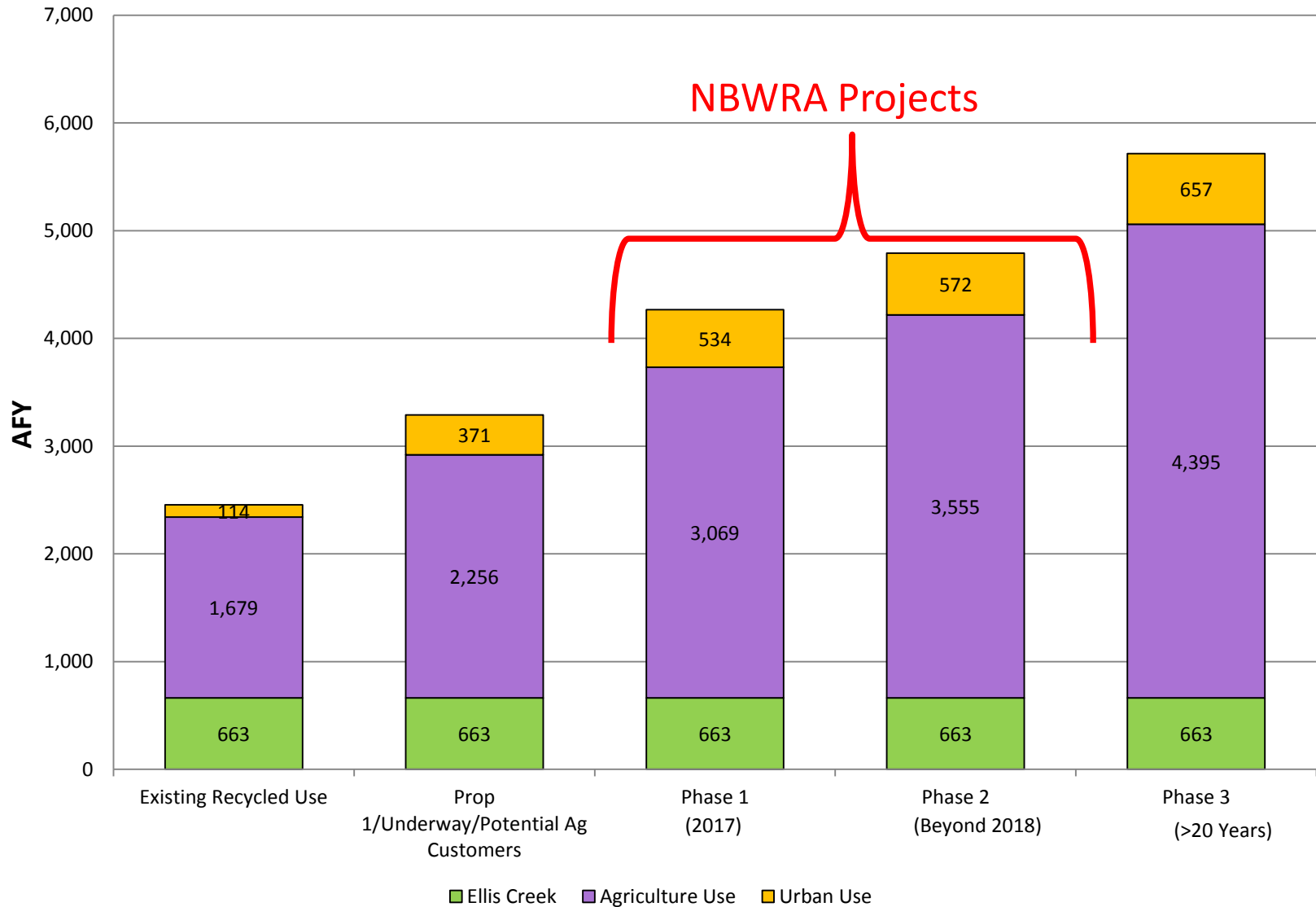
Recycled Water Master Plan - Agriculture



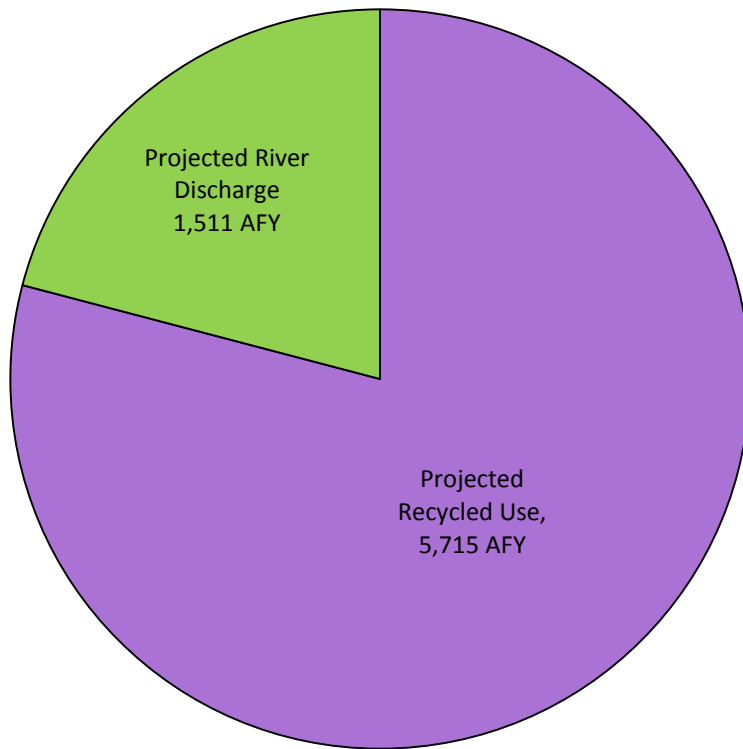
Recycled Water Master Plan - Urban



Projected Recycled Water Demand

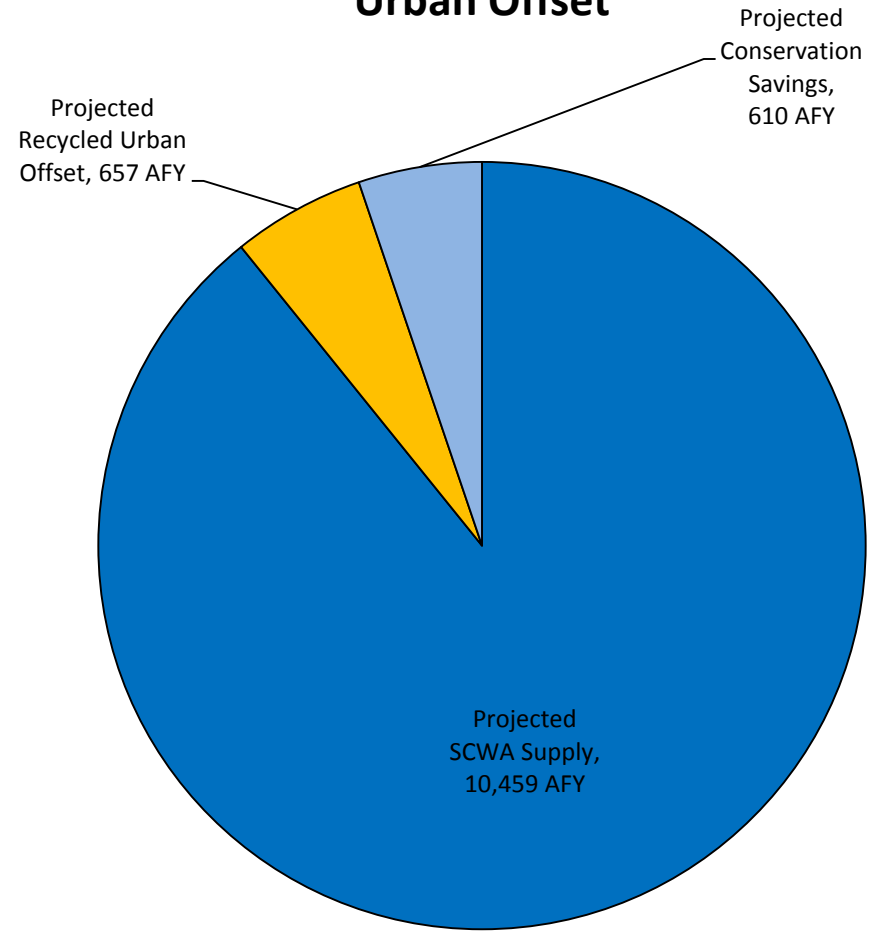


Projected Recycled Water Use Vs. Wastewater Flow



* Total Projected Wastewater Flow = 7,226 AFY

Projected Potable Demand vs. Urban Offset



*Total Projected Demand = 11,726 AFY

Tertiary Filters



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