



San Fernando Groundwater Basin Remediation Program

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Agenda

- Introductions
- SFGBR Program Overview
- Contaminants and Treatment Technology
- Project Construction Photos
 - North Hollywood West
 - North Hollywood Central
 - Tujunga Wellfield Treatment
- Program Schedule and Cost



SAN FERNANDO GROUNDWATER BASIN REMEDIATION (SFGWR) PROGRAM OBJECTIVES

- **Protect** the public health by reducing exposure to contaminants.
- **Restore** the beneficial use of the San Fernando Basin (SFB).
- **Limit** the migration of and **remove** contaminants from the groundwater.
- **Reduce reliance** on imported water.
- Increase **resiliency** of water supply in case of a major earthquake.



North Hollywood West (NHW) Treatment Facility

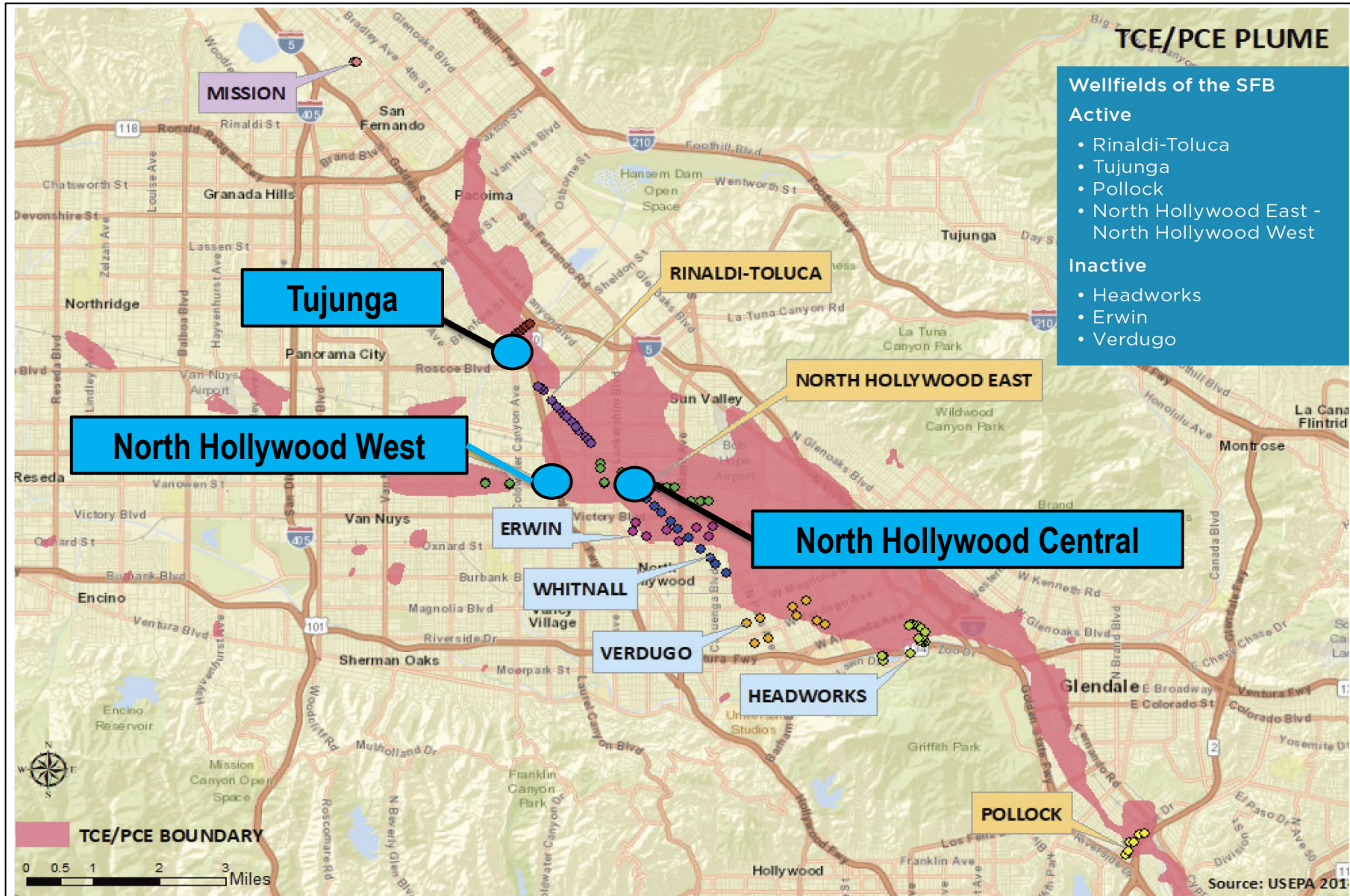


North Hollywood Central (NHC) Treatment Facility

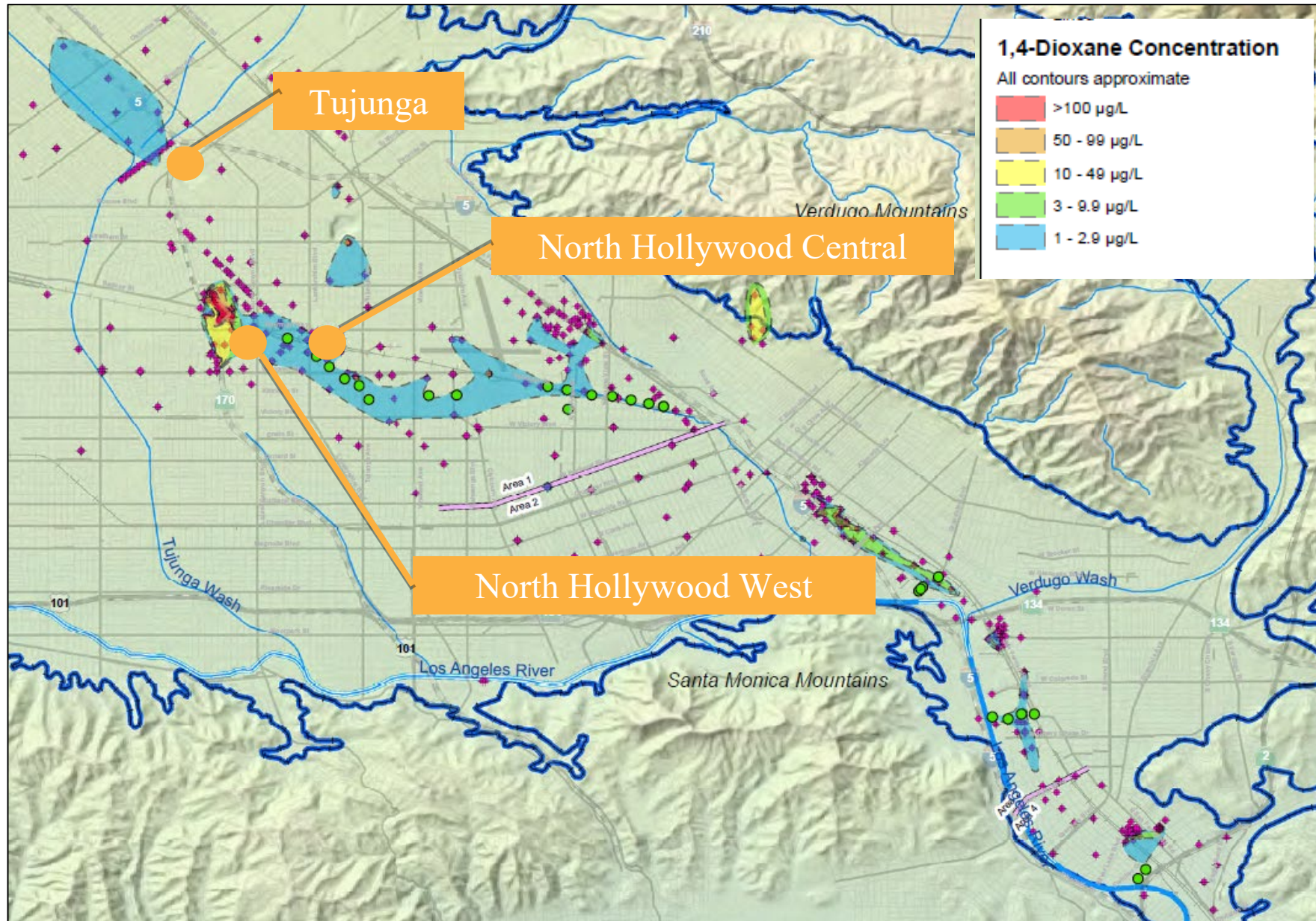


Tujunga (TJ) Central Treatment Facility ladwp.com

What is the extent of contamination? VOC's



What is the extent of contamination? 1,4-Dioxane

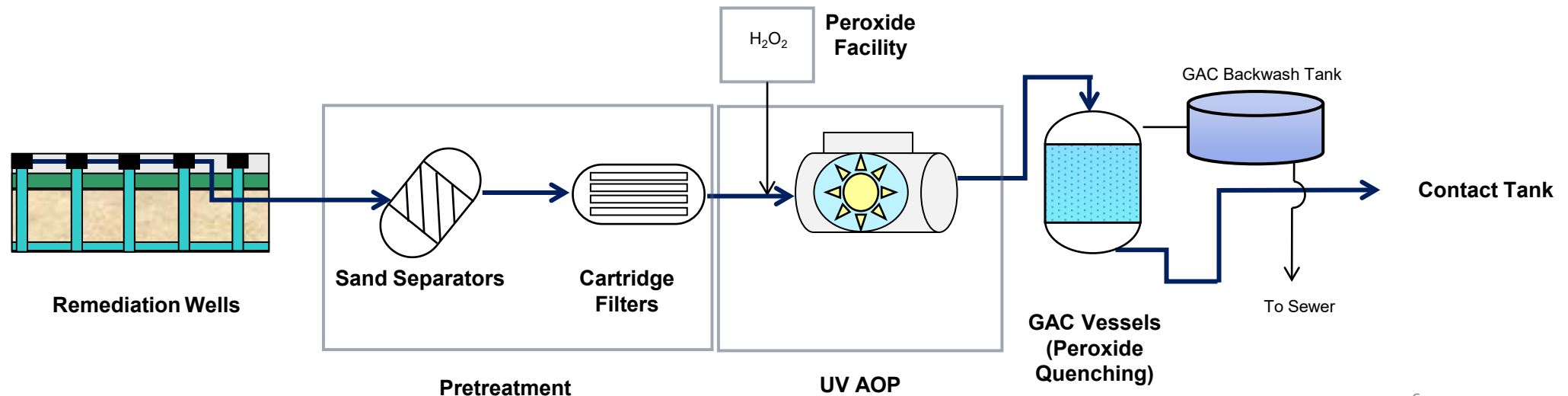


Treatment Process

Advanced Oxidation Process (AOP) with UV/H₂O₂



•OH + VOC/1,4-Dioxane → Oxidation byproducts



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Total Treatment Capacity

- **Remediation Wells Capacity at completion: 143.1 CFS or 104,041 AFY**
 - North Hollywood West Treatment Facility: 28.4 CFS - **100% complete**
 - North Hollywood Central Treatment Facility: 38.2 CFS - **100% complete**
 - Tujunga Well Field Treatment Facility: 76.5 CFS - **100% complete**

Supply 400,000+ average size homes

An aerial photograph of the North Hollywood West Treatment Facility. In the foreground, there are several large, light-blue cylindrical storage tanks with associated piping and walkways. A white pickup truck is parked near the tanks. To the left, a parking lot contains several cars. In the background, there are two large green soccer fields with yellow markings, surrounded by a black chain-link fence. Tall stadium lights are visible around the fields. The sky is clear and blue. The text "North Hollywood West Treatment Facility" is overlaid in white, sans-serif font across the center of the image.

North Hollywood West Treatment Facility

North Hollywood West – September 2017



North Hollywood West – December 2022



North Hollywood West (NHW) Treatment Facility



An aerial photograph of the North Hollywood Central Treatment Facility. The facility is a large industrial complex with several large, light-blue metal buildings. In the foreground, there is a large paved area with a row of 12 white cylindrical storage tanks. To the left of the tanks is a large, circular, grey structure. The facility is surrounded by residential neighborhoods with houses and streets. The text "North Hollywood Central Treatment Facility" is overlaid in white on the image.

North Hollywood Central Treatment Facility

North Hollywood Central – November 2021



North Hollywood Central – June 2024



North Hollywood Central (NHC) Treatment Facility



An aerial photograph of the Tujunga (TJ) Central Treatment Facility. The facility is situated in a dry, arid landscape. It features a large, circular, light-colored storage tank in the upper left. To its right is a large, rectangular building with a blue roof. Further right is a cluster of numerous smaller, cylindrical, light-colored storage tanks. In the foreground, there is a large, paved area with several yellow and blue vehicles, including trucks and cars. A road runs along the bottom of the facility, and a body of water is visible on the right side. The text "Tujunga (TJ) Central Treatment Facility" is overlaid in the center of the image.

Tujunga (TJ) Central Treatment Facility

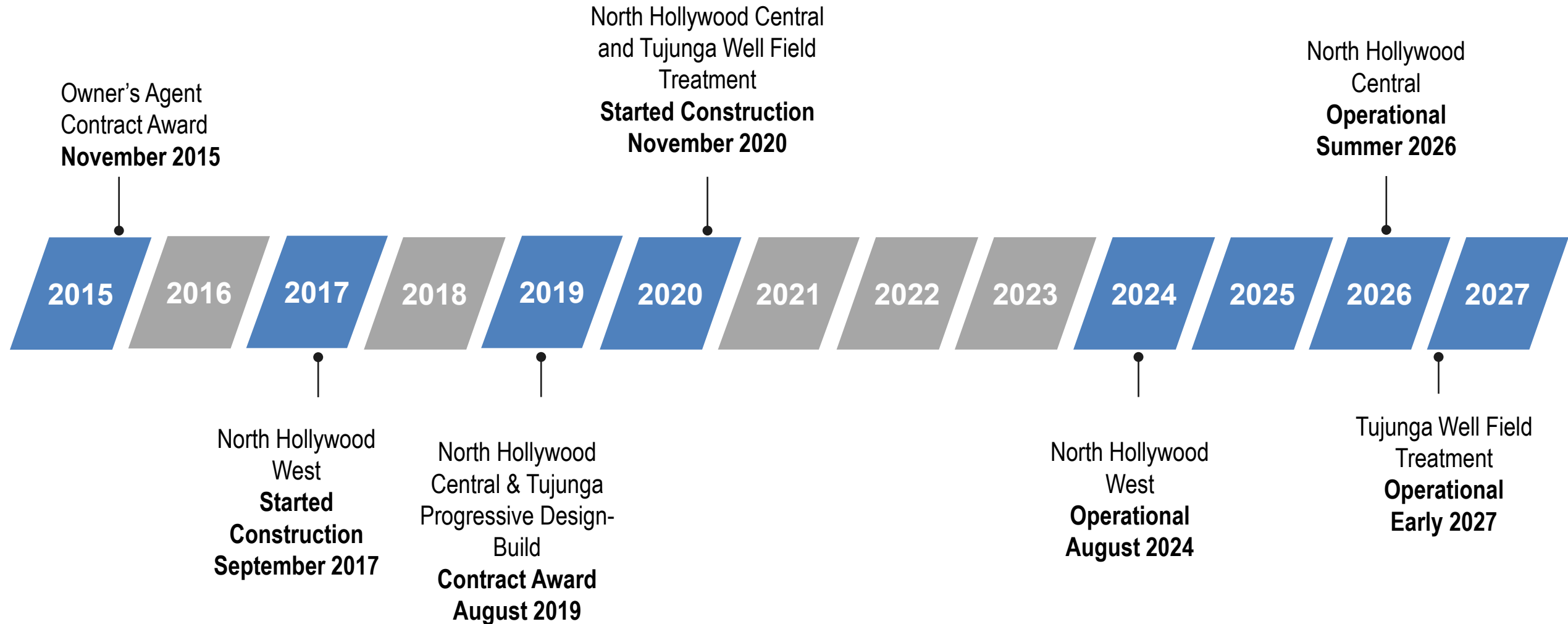
Tujunga – October 2020



Tujunga – June 2024



Program Schedule



Program Cost

Proposition 1 Grant Funding



Technical Advisory Committee (TAC)

- Total Cost: **\$640M**
- Prop 1 Grants: **\$308M**
- Reimbursement to date: **\$284M**



Thank you.