



# **Wells 4, 7 & 13 On-Site Chlorine Generation (OSG) and Fluoride Injection Improvements CC-1734**

**November 18, 2025**

# Project Location – Wells 4, 7 & 13



VICINITY MAP  
N.T.S.

LOCATION MAP  
N.T.S.



# Project Background



- City has disinfected groundwater using chlorine gas since the 1950s.
- Storing and handling chlorine gas is hazardous to staff and nearby neighborhoods.
- Huntington Beach is one of few Orange County cities still using chlorine gas.
- Project replaces chlorine-gas systems with modern on-site generation using salt, water and electricity.
- Also replaces existing fluoride equipment to maintain State-recommended dental health levels.



# Project Benefits



- Eliminates hazardous chlorine gas storage and handling.
- Enhances safety for City staff and nearby residents.
- Ensures a reliable, locally generated disinfectant supply.
- Reduces dependence on limited chlorine gas suppliers.
- Avoids importing more expensive MWD water, which can double monthly costs.
- Keeps City drinking water safe and cost-effective.



# Funding

## Construction Costs

<b>Arnaz Engineering Contractors, Inc. Bid</b>	<b>\$5,143,000</b>
<b>10% Contingency</b>	<b>\$514,300</b>
<b>Supplemental Costs</b>	<b>\$642,700</b>
<b>TOTAL COST</b>	<b>\$6,300,000</b>

## Current Funding

<b>Water Master Plan Fund</b>	<b>\$7,100,000</b>
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**Tentative Construction Schedule: January–December 2026**



# Questions?

