



# AR-X Award of Contract for the Wellfield Electrical Improvements Project

November 15, 2022 City Council Meeting





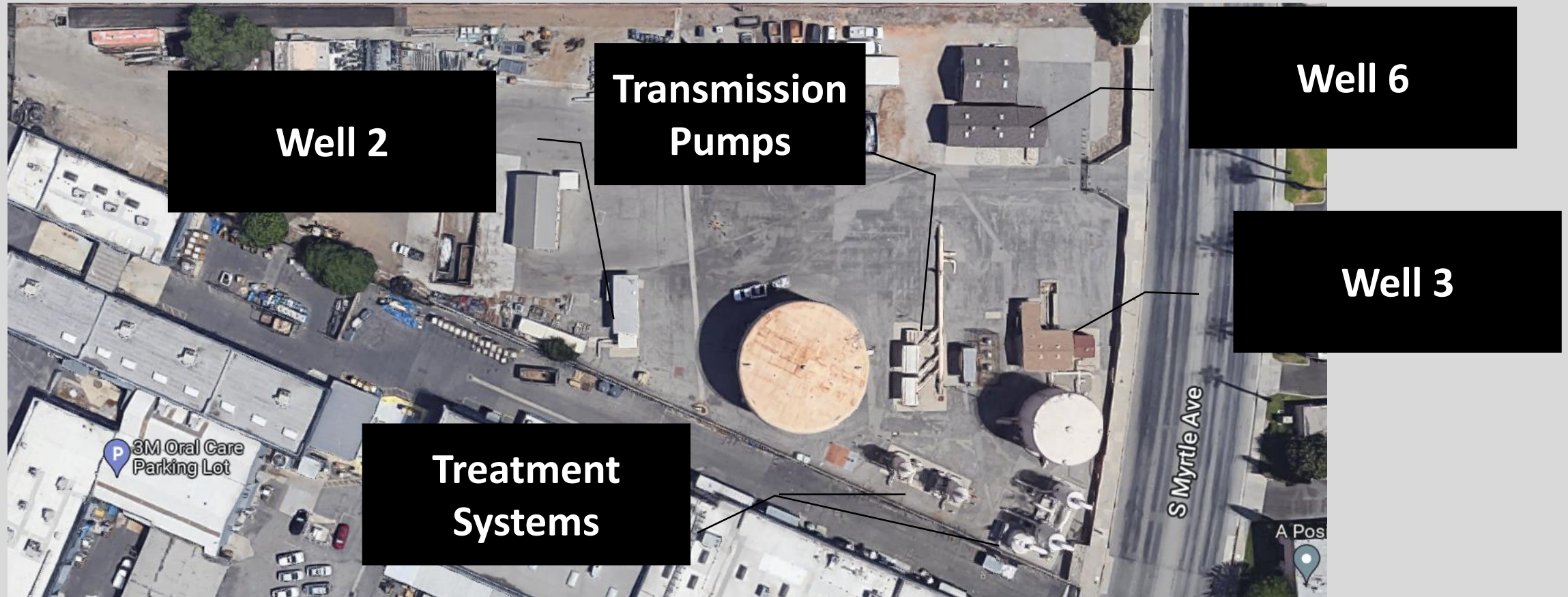
# Overview

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- For this evening's discussion, staff will provide an overview of the following topics:
  - Background on the City Wellfield
  - Current State of the Wellfield Electrical System
  - Proposed Improvements
  - Schedule and Next Steps



# What is the Wellfield?



- The heart of the City's Water System
- Treats and delivers nearly 6 million gallons per day to local residents and businesses



# Current State of the Wellfield Electrical System



**Power Source**

**Switch Gears**

**Transformers**





# Wellfield Switch Gears



- Improved workspace for Water Production Staff

# Circuit Breakers Need Replacement



- Difficult to Reset Breakers



# Circuit Breakers Need Replacement



- Multiple Electrical Contractors will not Service

# Other Electrical Equipment



- Ability to reallocate certain facilities for another purpose



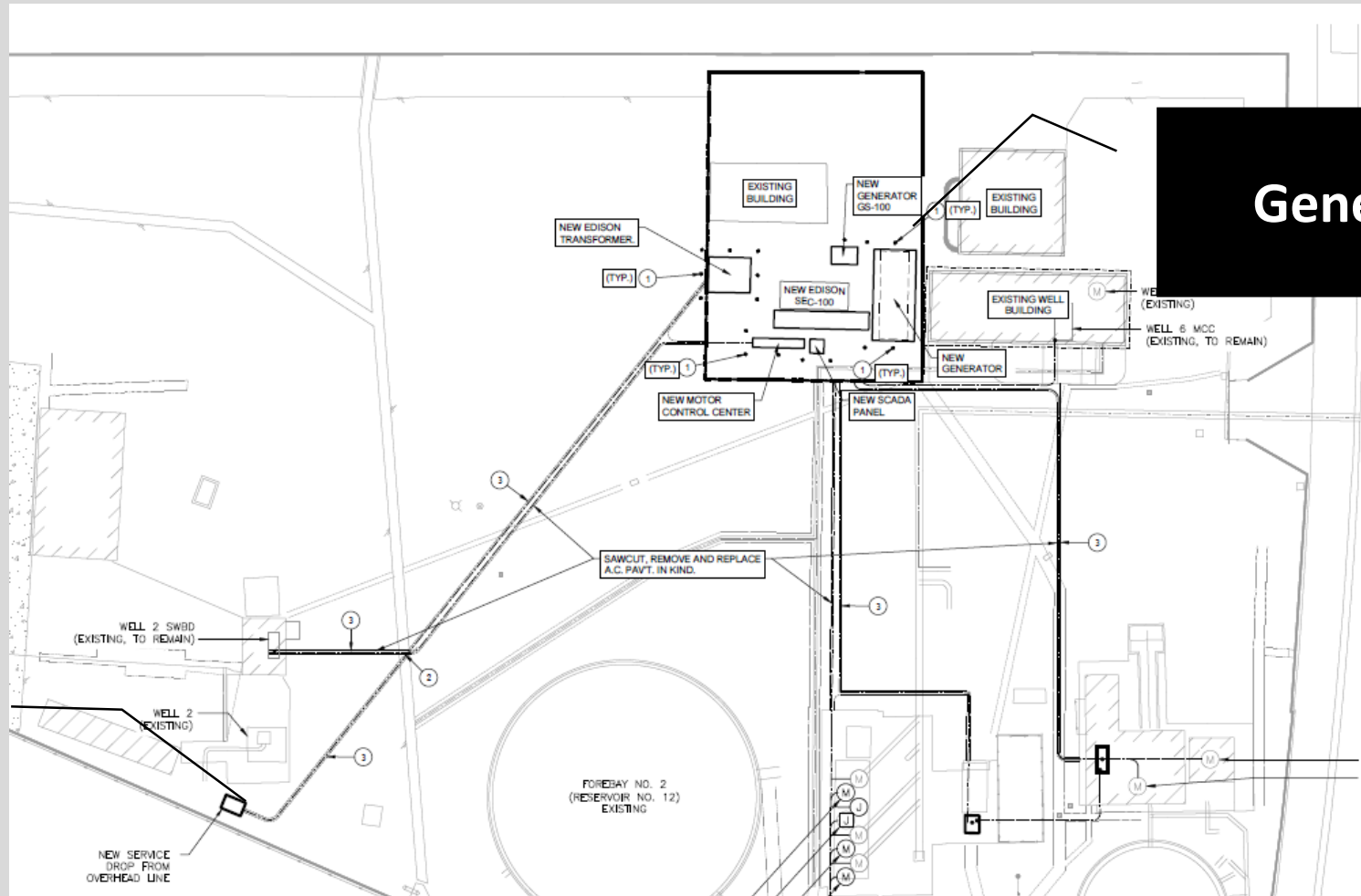


# Relocation of Electrical Systems





# Proposed Improvements



**Generator**

**New Power Source**





# Scope of Work

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- Replacement of the existing electrical service panels and motor controls for all Wellfield Water Systems
- Nearly 300 feet of trenching to relocate electrical panels away from staff work areas
- Installation of connection points for the ability to connect this site to auxiliary power
- All equipment upgrades will provide the ability to connect to solar should the City pursue any opportunities in the future







# Schedule and Next Steps

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- Staff recommends the award of contract to Mel Smith Electric
  - Significant experience with complex electrical projects for Cities of Santa Clarita, Riverside, State of California Department of General Services, and Cal Poly Pomona
- The project has specified approximately 150 working days from the Notice to Proceed to complete the project





# Proposed Project Budget

- Staff requests a total of \$3,719,863.00, including:

Construct New Electrical System	\$ 2,216,500.00
Provide and Install New Emergency Generator	\$ 729,400.00
Provide and Install Pipe Bollards	+ \$ 32,040.00
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Construction Costs	\$ 2,977,940.00
Construction Contingency	\$ 297,749.00
Southern California Edison Coordination	\$ 100,000.00
Construction Management	\$ 297,749.00
Engineering Support	+ \$ 46,380.00
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Total Project Budget	\$ 3,719,863.00





# Proposed Project Funding Plan

- Funding will be provided by:

Water Fund	\$ 1,750,000.00
General Fund Transfer	+ \$ 1,969,863.00
<hr/> Total Project Budget	<hr/> \$ 3,719,863.00

