



**Department:** Utilities  
**Cost Center:** 6003  
**For Agenda of:** 7/16/2024  
**Placement:** Consent  
**Estimated Time:** N/A

**FROM:** Aaron Floyd, Utilities Director  
**Prepared By:** Miguel Barcenas, Deputy Director – Engineering and Planning  
Shawna Scott, Special Projects Manager

**SUBJECT:** AUTHORIZATION TO ADVERTISE THE WATER TREATMENT PLANT OZONE CONTAINMENT IMPROVEMENT PROJECT, SPECIFICATION 2001026

## RECOMMENDATION

1. Approve the project plans and special provisions for the Water Treatment Plant Ozone Containment Improvement Project, Specification Number 2001026; and
2. Authorize staff to advertise for bids; and
3. Authorize the City Manager to award the construction contract for the bid total if the lowest responsible bid is within the available budget for the Water Treatment Plant Major Equipment Maintenance Project; and
4. Authorize the City Engineer to approve Contract Change Orders up to the available project budget; and
5. Find the Project categorically exempt from the California Environmental Quality Act pursuant to State CEQA Guidelines Section 15301 and 15303.

## POLICY CONTEXT

The Water Treatment Plant Ozone Containment Improvement Project (Project) is consistent with the City adopted General Plan [Water and Wastewater Element](#) (WWE) Goals A 2.1 and A 3.1 because maintenance of the Water Treatment Plant (WTP) is necessary to ensure a long-term, reliable water supply and manage the City's water resources to meet both current and future water demand associated with development envisioned by the General Plan.

## DISCUSSION

### Background

The City's Water Treatment Plant was originally constructed in 1961. In 1995, a significant upgrade to the plant was completed to meet changing water quality requirements. This upgrade included installation of ozone generators and an ozone contact basin to provide an ozone-based process in place of the traditional chlorine-based process to meet water quality regulations.

## Item 6c

In March of 2023, another major upgrade project was completed that replaced older disinfection equipment including replacement of the ozone generation system and added additional source water capacities needed to enhance the treatment processes. Ongoing maintenance of the facilities and equipment at the Water Treatment Plant is necessary to prolong the useful life of the facilities and ensure staff's ability to operate the plant and treat water to State and Federal standards.

Starting in early October 2021, ozone started being detected in the Water Treatment Plant Air Prep Room. The cause of the release and location of the ozone was identified through field investigations, which traced the leak to the ozone contact basin and necessitated inclusion of the ozone containment project within the Water Treatment Plant Major Equipment Maintenance Project (Project Number 2001026) in the City's [Mid-year Budget Review for Fiscal Year 2023-24](#).

The proposed ozone containment project will consist of the demolition of an existing riser and valve box, construction of a new manhole and valve, interception of a 12-inch ozone contact basin overflow pipe, redirection of an existing chemical main to the new manhole, construction of fabricated metal shade structures, extension of existing concrete flatwork to include stairs and extension of a walkway, and installation of hazard signs. All work will occur within the existing Water Treatment Plant. As a result of the project, ozone gas would be prevented from entering the manhole under normal operating and maintenance activities and reduce potential risks to Water Treatment Plant staff.

### **Previous Council or Advisory Body Action**

In June 2023, the City Council adopted the [2023-25 Financial Plan](#), which allocated \$189,000 in fiscal year 2023-24 and \$180,000 in fiscal year 2024-25 for Water Treatment Plant Major Equipment Maintenance (Project Number 99653 [2001026]).

During the [Mid-Year Budget Review for Fiscal Year 2023-24](#), the City Council approved an additional \$180,000 for Water Treatment Plant Major Equipment Maintenance including water treatment plant ozone containment repairs.

### **Public Engagement**

This capital project was included in the 2023-25 Financial Plan and Mid-Year Budget Review which had extensive community outreach and afforded opportunities for the public to review and comment on all capital projects.

### **CONCURRENCE**

The Water Treatment Plant Supervisor concurs with the proposed scope and approach of the ozone containment maintenance task.

## ENVIRONMENTAL REVIEW

The project qualifies for a Categorical Exemption to the California Environmental Quality Act (CEQA) pursuant to State CEQA Guidelines Sections 15301 (Existing Facilities) and 15303 (New Construction or Conversion of Small Structures) because the project consists of the repair, maintenance, and minor alteration of existing facilities and equipment, and the construction of small structures within the Water Treatment Plant. The project would not result in an expansion of the existing use of the facility, nor increase capacity.

## FISCAL IMPACT

Budgeted: Yes

Budget Year: 2024-25

Funding Identified: Yes

### Fiscal Analysis:

| Funding Sources   | Total Budget Available | Current Funding Request | Remaining Balance   | Annual Ongoing Cost |
|---|------------------------|-------------------------|---------------------|---------------------|
| Water Fund - Water Treatment Plant Major Equipment Maintenance (2001026). | \$496,722.72           | \$216,000               | \$280,722.72        | N/A                 |
| <b>Total</b>  | <b>\$496,722.72</b>    | <b>\$216,000</b>        | <b>\$280,722.72</b> | <b>N/A</b>          |

The [2023-25 Financial Plan](#) includes \$180,000 in fiscal year 2024-25 for Water Treatment Plant Major Equipment Maintenance (Project Number 99653 [2001026]).

During the [Mid-Year Budget Review for Fiscal Year 2023-24](#), the City Council approved an additional \$180,000 for Water Treatment Plant Major Equipment Maintenance including water treatment plant ozone containment repairs. The budget change was identified as a one-time request that will address minor modifications to meet required permit compliance for the water treatment plant. There is \$496,722.72 remaining in the Maintenance Project account, including \$477,535.51 for ozone system maintenance, inclusive of the ozone containment project. Therefore, there are adequate funds available to construct the project and \$280,722 would remain in the Maintenance Project account.

## ALTERNATIVES

***Deny the approval to advertise the project.*** City Council could choose to deny the authorization to advertise this project. Staff does not recommend this alternative as the maintenance project is necessary to address potential worker safety issues associated with release of ozone within the Water Treatment Plant.

**ATTACHMENTS**

A - Ozone Containment Project Plans Spec 2001026

B - Draft Special Provisions and Technical Specifications