



## **CITY OF GLENDALE, CALIFORNIA REPORT TO THE CITY COUNCIL**

### **AGENDA ITEM**

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Report: Approval to use the Alternative Project Delivery Method for the Design-Build of the Pipeline Management Program FY 21-22, Phase I Project

1. Resolution authorizing the General Manager of Glendale Water & Power, or his designee, to issue a Request for Proposals (RFP) using the Design-Build Project Delivery Method for Phase I of the Pipeline Management Program for FY 2021-22, RFP No. 3894, and authorizing the City Clerk to solicit proposals.

### **COUNCIL ACTION**

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**Item Type:** Consent Calendar

**Approved for** July 20, 2021 **calendar**

### **ADMINISTRATIVE ACTION**

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**Submitted by:**

Mark Young, General Manager - Glendale Water and Power

**Prepared by:**

Michael E. De Ghetto, Chief Assistant General Manager - Water

**Reviewed by:**

Michele Flynn, Director of Finance

Michael J. Garcia, City Attorney

**Approved by:**

Roubik R. Golanian, P.E., City Manager

## RECOMMENDATION

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Glendale Water & Power (GWP) staff respectfully recommends that the City Council adopt a resolution authorizing the General Manager of GWP, or his designee, to issue a Request for Proposals (RFP) using the design-build Alternative Project Delivery Method for Phase 1 of the Pipeline Management Program FY 2021-22, and authorizing the City Clerk to solicit proposals.

## BACKGROUND/ANALYSIS

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There are over 380 miles of pipelines in GWP's service area. The pipelines vary by material type, size or diameter, year of installation and current condition. Many miles of pipelines have been replaced or cleaned and relined as part of GWP's past Capital Improvement Programs. In order to prioritize the required pipeline replacements, a significant amount of discussion and research was conducted during the 2016 Water Master Plan process. This process allowed the development of the Pipeline Management Program Phases in the ten-year Capital Improvement Program. Pipeline Management Program projects include small diameter replacements, age replacements, fire flow improvements, system optimization and capacity improvements.

These replacements address service life and condition issues, as well as improving the level of service by improving flow during high demands or fires. The Pipeline Management Program for the ten-year Capital Improvement Program is generally prioritized in the following way: Replace all four-inch pipelines (29.7 miles), replace all six-inch pipelines installed before 1945 (18.4 miles), replace all six-inch pipelines installed between 1945 and 1970 (66.7 miles), and replace all six-inch pipelines relined after 1970 (25.5 miles). The goal of the program is to complete as many feet of mains per year within that year's budget, in a physically efficient way by grouping mains by area, when possible, even if some larger mains are replaced before some smaller mains. Some mains are more expensive to replace than others if they are under a channel crossing, for instance, and in those cases the number of feet replaced will be less for that year's program.

The Pipeline Management Program FY 2021-22, Phase I Project consists of the design and construction of approximately 17,080 feet of new eight-inch ductile iron pipeline at various streets in the City (see Exhibit A). Below is the tentative schedule for the proposed project:

Activity	Projected Date of Completion
Project Award	September 2021
Design and Engineering	April 2022
Construction	September 2023
Project Closeout Activities	January 2024

On July 1, 2021, the General Manager of GWP obtained the City Manager's approval for the proposed procurement method for the Project, as required by Glendale Municipal Code (GMC), Section 4.13.070.

With Council approval, City staff will issue an Alternative Project Delivery Method RFP for the design-build of the Pipeline Management Program FY 2021-22 Phase I Project, RFP No. 3894. The design-build project delivery method is the preferred method for delivering this project due to the reduced time frame for completing the Project and because of the City's recent successes using the design-build project delivery method on several similar pipeline projects like the Pipeline Management Program FY2020-21, Phase I Project, for example. To date, approximately 62,000 feet (or 11.7 miles) of pipe and associated appurtenances, like valves and fire hydrants, have been replaced in the City in a timely and efficient manner using the design-build project delivery method.

GWP staff has found that it is more efficient to use the design-build project delivery method for most pipeline installation projects because research and design phases can be reduced with a similar outcome in the final construction. Since pipelines are buried in existing streets with other underground utilities, there are invariably items discovered once the excavation is made to install the main that were not known prior to construction. By using the design-build method, these items can be addressed as they come up by the design-build entity without the need for delays in engineering and construction that occur using the traditional design-bid-build project delivery method.

This project is categorically exempt from the requirements of the California Environmental Quality Act (CEQA).

### **FISCAL IMPACT**

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The engineer's estimate of total project cost including design and construction is between \$7,100,000 and \$7,800,000.

Funds for the project are currently available in the following accounts and amounts:

<b>Account Name</b>	<b>Account No.</b>	<b>Amount</b>
Pipeline Management Program	52100-5930-GWP-0020-P0000-T0000-F4300-0000-0000 (PL: GWP00670AA-CONSTRUCT-4310)	\$5,000,000
Water System Optimization Program	43110-5930-GWP-0020-P0000-T0000-F4300-0000-0000 (PL: GWP00672AA-CNTRCTSRVS-4310)	\$ 400,000
Total Available Funding		\$5,400,000

If required, a request will be made to appropriate the additional funds needed at the time of project award.

## **ALTERNATIVES**

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Alternative 1: The City Council may choose to adopt a Resolution authorizing the General Manager of GWP, or his designee, to issue an RFP to use the recommended alternative project delivery method for the design-build of the Pipeline Management Program FY 2021-22, Phase I Project.

Alternative 2: The City Council may choose to not authorize the issuance of an RFP using the recommended alternative project delivery method for the design-build of the Pipeline Management Program FY 2021-22, Phase I Project, resulting increased costs and time delays required to design, bid, and then build the needed pipeline replacements.

Alternative 3: The City Council may consider another alternative not proposed by staff.

## **CAMPAIGN DISCLOSURE**

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Not applicable.

## **EXHIBIT(S)**

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Exhibit A: Pipeline Management Program FY 2021-22, Phase I Project Location Map

Exhibit B: Memo dated June 30, 2021, and approved by the City Manager on July 1, 2021 for the Design-Build Project Delivery Method.