



CITY OF GLENDALE, CALIFORNIA REPORT TO THE CITY COUNCIL

AGENDA ITEM

Report: Alternative Project Delivery Method for the Design-Build of the Pipeline Management Program FY 2022-23, 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 2022-23, RFP No. 3938, and authorizing the City Clerk to solicit proposals.

COUNCIL ACTION

Item Type: Action Calendar

Approved for January 10, 2023 **calendar**

EXECUTIVE SUMMARY

GWP requests Council 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 2022-23, Phase 1 Project and authorizing the City Clerk to solicit proposals.

COUNCIL PRIORITIES

Infrastructure: The Water Division of GWP has the responsibility to provide safe, clean, and reliable water delivery to all its water customers and at all times. Replacement of old deteriorated water mains, as part of the ongoing Pipeline Management Program, is consistent with these goals and responsibilities.

RECOMMENDATION

Adopt a resolution authorizing the General Manager of GWP, or his designee, to issue an RFP using the design-build Alternative Project Delivery Method for Phase 1 of the Pipeline Management Program FY 2022-23, and authorizing the City Clerk to solicit proposals.

BACKGROUND

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 water 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 2022-23, Phase 1 Project consists of the design and construction of approximately 11,745 lineal 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	April 2023
Design and Engineering	September 2023
Construction	August 2024
Project Closeout Activities	March 2025

On December 13, 2022, 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 (see Exhibit B).

With Council approval, staff will issue an Alternative Project Delivery Method RFP for the design-build of the Pipeline Management Program FY 2022-23 Phase 1 Project, RFP No. 3938. 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 FY 2021-22, Phase I Project, for example. To date, approximately 78,000 feet (or 14.8 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.

ANALYSIS

Construction costs have substantially increased in the past year and continue to increase. Staff is anticipating a 15% increase in cost for this project from the previous Pipeline Management Program FY 2022-23, Phase 1 Project that received bids in December 2021. Therefore, an anticipated 15% increase in cost has been included in the engineer’s estimate.

STAKEHOLDERS/OUTREACH

N/A

FISCAL IMPACT

The engineer’s estimate of total project cost including design and construction is between \$7,800,000 and \$8,300,000, of which a portion of the funding was approved as a part of the FY 2022-23 budget. No new appropriation is being requested at this time. When a design-build contract is to be awarded to the selected proposer, a request will be made to appropriate the additional funds needed. The City Council approved funding is outlined below:

Existing Appropriation		
Amount	Account String	Account Name
\$230,000	GL: 52100-5930-GWP-0020-P0000-T0000-F4300- PL: GWP00670AA-CONSTRUCT- 4310	Water Depreciation Fund - Pipeline Management Program

ENVIRONMENTAL REVIEW

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

CAMPAIGN DISCLOSURE

Not applicable.

ALTERNATIVES

Alternative 1: 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 2022-23, Phase I Project. and authorize the City Clerk to solicit proposals.

Alternative 2: Do not authorize the issuance of an RFP using the recommended alternative project delivery method for the design-build of the Pipeline Management Program FY 2022-23, Phase I Project, resulting increased costs and time delays required to design, bid, and then build the needed pipeline replacements.

Alternative 3: Consider any other alternative not proposed by staff.

ADMINISTRATIVE ACTION

Prepared by:

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

Approved by:

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

EXHIBITS / ATTACHMENTS

Exhibit A: Pipeline Management Program FY 2022-23, Phase I Project Location Map.

Exhibit B: Memo dated December 9, 2022, and approved by the City Manager on December 13, 2022 for the Design-Build of the Pipeline Management Program FY 22-23, Phase I Project.