CITY OF GLENDALE, CALIFORNIA
REPORT TO THE CITY COUNCIL

AGENDA ITEM

Report: Adoption of Specification for Transformer(s) Oil Testing, and Advertising for Bids.

1. Resolution adopting Specification No. 3931 to furnish materials, equipment, and labor for testing transformer, load tap changer, regulator, and circuit breaker oil for Glendale Water & Power (GWP), and directing the City Clerk to advertise for bids.

COUNCIL ACTION

Item Type: Consent

Approved for **November 15, 2022** **calendar**

EXECUTIVE SUMMARY

Due to the expertise and sophisticated equipment needed, as well as the critical nature of regularly monitoring the oil of GWP's transformers, load tap changers, regulators, and circuit breakers, it is necessary to have a contractor on board to perform GWP's oil testing. Due to our aging equipment, it is important to have a capable contractor that can determine the current state of the City's equipment which can, in turn, assist in determining plans of action to remedy any issues present in order to increase power system reliability.

COUNCIL PRIORITIES

Infrastructure: Testing the oil of GWP's critical equipment provides safe, efficient, and reliable utility services to Glendale Residents.

RECOMMENDATION

Adopt the Specification to furnish materials, equipment, and labor for testing transformer, load tap changer, regulator, and circuit breaker oil, and direct the City Clerk to advertise for bids.

BACKGROUND

GWP's commitment to providing reliable and trusted service to its customers includes annual testing of transformer, load tap changer, regulator, and circuit breaker oil as part of its ongoing maintenance of the electrical substation assets.

On June 18, 2019, the City Council approved a motion awarding a contract to Resa Power, LLC, pursuant to Specification No. 3783 to furnish all labor, equipment, and materials for testing of transformer oil, regulator oil, and circuit breaker oil for a not-to-exceed amount of $327,000.00 for a contract period of three years. GWP now needs to establish a new contract.

ANALYSIS

GWP must continually monitor the condition of its oil-immersed electrical equipment in order to meet this commitment. Oil testing is a standard industry practice to effectively accomplish this task. Oil testing includes taking necessary oil samples from transformers, load tap changers, regulators, and oil circuit breakers, and analyzing these samples for dissolved gasses; total combustible gasses; moisture content; interfacial tension; acidity; color; specific gravity; dielectric breakdown voltage; Polychlorinated Biphenyls (PCB), and other characteristics. A high degree of specific expertise is needed to perform this type of work. Specification No. 3931 will enable a qualified contractor to continue performing these tasks as part of GWP's overall annual maintenance program.

STAKEHOLDERS/OUTREACH

There are no stakeholders that will be impacted.

FISCAL IMPACT

There is no fiscal impact associated with this report. Staff will return to Council to award the contract. Funds for Year 1 of the contract are available in the FY 2022-23 budget. Funding for future fiscal years will be appropriated as a part of the annual budget process.

Existing Appropriation		
Amount	**Account String**	**Funding Source**
$120,000	GL:43110-5820-GWP-4650	Electric Works Revenue Fund

ENVIRONMENTAL REVIEW

This item is considered a ministerial activity and therefore, not subject to CEQA review.

CAMPAIGN DISCLOSURE

This item is exempt from campaign disclosure requirements.

ALTERNATIVES

Alternative 1: Authorize the requested action herein.

Alternative 2: Do not authorize the requested action; however, due to the expertise and the sophisticated equipment necessary to perform the described work, GWP does not have the resources necessary and will not be able to perform the work.

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

ADMINISTRATIVE ACTION

Prepared by:
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Approved by:
Roubik R. Golanian, P.E., City Manager

EXHIBITS / ATTACHMENTS

N/A