



CITY OF GLENDALE, CALIFORNIA REPORT TO THE CITY COUNCIL

AGENDA ITEM

Report: California Air Resources Control Board (CARB) FY 2021-22 and FY 2022-23 Advanced Technology Demonstration and Pilot Projects Grant Appropriation for Glendale Municipal Green Zone Construction Work Crew Project

- 1) Resolution of Appropriation of totaling \$1,173,875 for the grant funded Glendale Municipal Green Zone Crew Project.

COUNCIL ACTION

Item Type: Consent Calendar

Approved for April 30, 2024 **calendar**

EXECUTIVE SUMMARY

On March 7, 2024, CARB preliminarily offered the City of Glendale a grant award for the Glendale Municipal Green Zone Construction Work Crew project grant application. This project includes the procurements of Zero Emission Vehicles (ZEV) equipment that will be deployed throughout the City of Glendale including a dump truck, excavator, wheel loader and pickup truck as well as EV chargers and associated infrastructure. The total project amount is \$2,146,788 with a local cash match of \$566,790 and in-kind match of \$506,913. In order to execute the grant, a resolution of appropriation for the grant including the local match amount is needed.

RECOMMENDATION

Approve a resolution of appropriation to fund the CARB funded Glendale Municipal Green Zone Construction Work Crew grant project including the local cash match.

ANALYSIS

From August to December 2023, Glendale staff worked with the non-profit consultant Center for Transportation and the Environment (CTE) on a grant application for the CARB FY 2021-22 and FY 2022-23 Advanced Technology Demonstration and Pilot Projects grant. One of the grant categories is for projects to establish Municipal Green Zones. Glendale submitted an application for this grant for the Glendale Municipal Green Zone Construction Work Crew project by the deadline and have been recently informed by CARB that this application was preliminarily approved. Actual grant award is contingent on several conditions being met by the city including City Council appropriation of the local match requirement.

The proposed ZEV equipment and chargers will be used by the Asphalt and Concrete sections of the Glendale Public Works Department. The ZEVs proposed in this project include four electric construction vehicles:

- Volvo JECR25 Electric Compact Excavator;
- Volvo JL25H Electric Compact Wheel Loader;
- Ford F-150 Lightning pick-up truck; and
- Electric dump truck.

The charging infrastructure specified in the grant will be purchased and installed at the Public Works Corporation Yard to supply electricity to the new vehicles. Three Level 2 19 kW dual port depot chargers will be installed to charge the excavator, wheel loader, and pick-up truck, and one Level 3 60 kW single port depot charger will be installed to charge the dump truck.

This project focuses on street construction operations that currently uses combustion engine equipment to carry out their assigned tasks and duties. Transitioning parts of this sector to ZEVs will give Glendale insight on what the path to complete electrification of the construction sector might look like, as well as how best to transition other areas of municipal operations to zero emissions. This is an important step in the continuation of implementation of the Fleet Electrification Plan. The demonstration will also provide valuable information to other municipal fleets aimed at facilitating adoption, widespread acceptance, and commercialization of ZEVs in multiple applications.

As mentioned previously, the total cost of the Glendale Municipal Green Zone Construction Work Crew project is \$2,146,788. Of this amount, \$1,073,084 will be covered by the grant, \$566,790 is cash match from the city and \$506,913 is in-kind match from the city which is predominantly related to staff work on the project. In addition to procuring this equipment, the staff will be responsible for maintenance services and reporting which are included in these costs.

The total cost of the ZEV equipment is \$1,297,324. This consists of \$1,012,617 for the four pieces of EV equipment and \$284,707 for the four EV chargers including construction. Of this amount, Glendale is responsible for a cash match of \$566,790 which covers a portion of the cost of the electric dump truck. The remaining project components include reporting (\$120,455), demonstration readiness (\$106,752), vehicle demonstration and data collection including vehicle performance reports (\$622,257).

Asphalt and Concrete section of the Street Maintenance Department will use the ZEVs for street repairs, with each vehicle slated for a different specific use. The Ford F-150 Lightning pick-up truck will be assigned to the Crew Supervisor to inspect service requests, make field checks on crews, and be stocked with personal protective equipment and other supplies. The Volvo JECR25 Electric Compact Excavator and Volvo JL25H Electric Compact Wheel Loader will be used to remove and mill damaged asphalt pavement, concrete slabs, curb/gutters, place/spread crushed rock, and various other street construction tasks. The electric dump truck will haul broken asphalt/concrete or other debris to the landfill and transport new material from the plant to job sites.

Staff intends to follow the city's standard procurement process to acquire the vehicles; however, if any of these processes are unsuccessful due to a lack of bids, the City Council may be asked to consider dispensing with competitive bidding for a portion of these procurements in the future.

STAKEHOLDERS/OUTREACH

An extensive community outreach effort is an important component of the Glendale Municipal Green Zone Construction Work Crew project and a grant requirement. The community group, Glendale Environmental Coalition provided support for the grant application and project and agreed to leverage their extensive community outreach tools to raise awareness of this pilot project. Once all of the ZEV equipment is received, Public Works intends to participate in several community events where the new equipment is displayed for public view. Glendale will also make the new equipment available to neighboring municipalities considering similar transitions to ZEVs.

FISCAL IMPACT

The Glendale Municipal Green Zone Construction Work Crew project will cost \$2,146,788 total including in-kind match and the total up-front cost is \$1,173,875 which was not included as a part of the FY 2023-24 budget. Therefore, staff is requesting for an appropriation of \$1,173,875 from the CIP Reimbursement Fund and Fleet Management fund. The appropriation request is outlined below:

Requesting Appropriation			
Amount	From (Account String)	To (Account String)	Funding Source
\$346,435	GL: 32610-4090-PWD-0020-P0000 PL: PWD01161AG	GL: 51000-4090-PWD-0020-P0000 PL: PWD01161AG	CIP Reimbursement Fund

\$260,650	GL: 32610-4090-PWD-0020-P0000 PL: PWD01161AG	GL: 51200-4090-PWD-0020-P0000 PL: PWD01161AG	CIP Reimbursement Fund
\$566,790	GL: 27900-6010-PWD-0000	GL: 51000-6010-PWD-0020-P0000 PL: PWD01161BN	Fleet Management Fund

ENVIRONMENTAL REVIEW (CEQA/NEPA)

The project is categorically exempt from environmental review because of CEQA Guidelines §§ 15311.

CAMPAIGN DISCLOSURE

This item is exempt from campaign disclosure requirements.

ALTERNATIVES TO STAFF RECOMMENDATION

1. Not approve a resolution of appropriation related to the CARB grant for the Glendale Municipal Green Zone Construction Work Crew project and Glendale will forgo this grant funding opportunity and continue implementation of the fleet electrification plan using other funding sources.
2. The City Council may consider any other alternative not proposed by staff.

ADMINISTRATIVE ACTION

Submitted by:

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Prepared by:

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Approved by:

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

EXHIBITS/ATTACHMENTS

None.