



CITY OF GLENDALE, CALIFORNIA REPORT TO THE CITY COUNCIL

AGENDA ITEM

Report: Uninterrupted Power Supply Improvements at four Parking Garages

1. Resolution adopting plans and specifications for the Uninterrupted Power Supply Improvements at four Parking Garages, per Specification No. 3889, and directing the City Clerk to advertise for bids.

COUNCIL ACTION

Item Type: Consent Calendar

Approved for June 29, 2021 **calendar**

ADMINISTRATIVE ACTION

Submitted by:

Yazdan T. Emrani, P.E., Director of Public Works

Prepared by:

Kevin C. Todd , Assistant Director of Public Works

Tad Dombroski, Parking Manager

Shahen Begoumian, Project Manager

Reviewed by:

Michele Flynn, Director of Finance

Michael J. Garcia, City Attorney

Approved by:

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

RECOMMENDATION

It is respectfully recommended that the City Council approve a Resolution adopting plans and specifications for the Uninterrupted Power Supply (UPS) Improvements at four Parking Garages, and directing the City Clerk to advertise for bids.

BACKGROUND/ANALYSIS

Public Works Department operates and maintains four parking garages in downtown Glendale. The Exchange, Marketplace, Orange Street, and Civic Center parking garages provide parking for employees and customers of surrounding businesses. UPS systems provide backup electric power to lighting systems in the parking structures in the event of a power outage, and are required by code. These systems generally have a useful life of 15 years before they need to be replaced. The Marketplace and Orange Street garages have UPS systems that are old and in need of replacement while the Exchange and Civic Center garages lack UPS systems and need them installed. New UPS systems will make all four garages safer and more secure.

The Marketplace parking garage located at 120 S. Artsakh Avenue has 1,124 parking spaces, and was completed in 1996. Over the past year, the existing UPS system has failed to deliver continuous power during outages and testing events, and is no longer dependable in the event of an emergency. Several garage upgrades have been constructed over time, including new lighting upgrades and a new Parking and Revenue Control System (PARCS) system, which changed the overall energy needs for the UPS. The UPS system has been in place for over twenty years, and is in need of replacement.

The Orange Street parking garage located at 222 N. Orange Street, completed in 1999, and provides 625 parking spaces. This garage utilizes a similar UPS system as the Marketplace, also original to the facility, and has now exceeded its useful service life.

The Exchange parking garage located at 115 N. Artsakh Avenue, provides 694 parking spaces. This garage is located one block north of the Marketplace. The Exchange does not have a UPS system currently, and during a power outage the emergency lighting is powered by individual battery operated emergency lights. These lights provide very low light levels and require frequent maintenance. This structure will benefit from a permanently installed UPS system that will power the lighting system during a power outage.

The Civic Center parking garage is located at 650 E. Wilson Avenue, built in 1982 and is primarily used by city staff and constituents during the hours of 6:00 am and 5:00 pm, Monday to Friday, as well as in the evening hours since there are certain departments that have staff on-site afterhours. When power is interrupted at this location, all lights in the garage are off except for the battery powered emergency exit lights that provide lighting at the stairwells only.

A UPS system is a critical infrastructure component that provides protection against power spikes, outages, and surges and safeguards data, software, hardware and other equipment. The system provides safety to the garage users by ensuring continuous

lighting. The UPS system also support critical computer systems that are used for garage operations such as PARCS, security video, access control, etc. The current UPS systems are unreliable and do not provide acceptable lighting during a power outage. The installation of new UPS systems at the Marketplace and Orange Street garage, along with installing new systems at the Exchange and Civic Center garage will provide critical safety features that protect parking patrons and systems.

PROJECT SCHEDULE

The installation is anticipated to begin in September 2021 and be completed by December 2021. All work will be coordinated to minimally impact the parking operations.

ENVIORNMENTAL REVIEW

This project is Categorically Exempt under the provisions of the California Environmental Quality Act (CEQA) as a Class 1 exemption pursuant to the California Code of Regulations, Title 14, Section 15301.

FISCAL IMPACT

The estimate for the Uninterrupted Power Supply (UPS) Improvements at four Parking Garages is approximately \$650,000.

Funding for this project is available in Parking Fund 2210 parking structure CIP accounts.

ALTERNATIVES

Alternative 1: The City Council may adopt plans and specifications for the Uninterrupted Power Supply (UPS) Improvements at four Parking Garages, per Specification No. 3889, and direct City Clerk to advertise for bids

Alternative 2: The City Council may choose not to approve the Resolutions thereby deferring the improvements and maintaining the status quo conditions and use of these facilities.

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

EXHIBITS

None.