



Office of the City Manager

CONSENT CALENDAR

April 26, 2022

To: Honorable Mayor and Members of the City Council

From: Dee Williams-Ridley, City Manager

Submitted by: Liam Garland, Director, Department of Public Works

Subject: Purchase Order: Western Truck Center for Four Front Loaders

RECOMMENDATION

Adopt a Resolution satisfying requirements of City Charter Article XI Section 67.2 allowing the City to participate in Sourcewell contract bid procedures, and authorizing the City Manager to execute a purchase of four (4) Front Loaders with Western Truck Center in an amount not to exceed \$1,731,000.

FISCAL IMPACTS OF RECOMMENDATION

The purchase of four Front Loaders will not exceed \$1,731,000 and includes freight, registration, CA tire fees, factory and driver training and sales tax. Funding for the purchase of these vehicles is available in the FY 2022 budget for the Equipment Replacement Fund (671).

CURRENT SITUATION AND ITS EFFECTS

This purchase will replace units 6377, 6378, 6379 and 6380 that have reached the end of their useful life which was planned to be seven years. The Front Loaders being replaced are model year 2013. Berkeley provides its own refuse, recycling, mixed containers (metal, plastic, aluminum.), and food/green materials collection services for both residential and commercial community members. New equipment will be utilized by the Department of Public Works Zero Waste Division for this purpose. Collected material will be transported to the City's solid waste management center and transfer station for disposal or reuse.

*Electric/Hybrid Electric Evaluation:*

For Every fleet purchase, Public Works Staff research the feasibility and availability of fully electric vehicles and hybrid-electric powertrains to support the City's transition from fossil fuels to renewable energy resources. Staff research reveals progress is being made with developing a viable Electric Class 8 Sanitation Truck. Manufacturers involved include Mack, BYD, Lion Electric, Daimler, Peterbilt, and Nikola. Agencies / Companies across the nation are actively pursuing electric alternative sanitation truck to include the following: New York City has completed testing phase with good results, and announced plans to order (7) Mack LR Electric trucks. City of Sacramento Fleet

management has stated they will be working with Lion's electric to build out a product for their operation in 2022; GreenWaste of Palo Alto has purchased (4) BYD Motor Inc electric models; and Los Angeles has committed to 100% electrification by 2035, just to name a few. The Transfer Stations current electrical infrastructure cannot support a charging system without significant and costly improvements.

To electrify the collection fleet (more than 60 vehicles), the City's Solid Waste & Recycling Transfer Station has completed a Feasibility Study in late 2019 and began the CEQA permitting process in January 2021 for the facilities replacement of this 7.4-acre site, which will include infrastructure for future electrification of the Zero Waste Division's entire heavy-duty truck fleet. In addition, the Feasibility Study was presented at a November 5, 2019 City Council Work session and highlighted the electrical infrastructure needed and to meet GHG emission reduction targets as part of the City's 2009 Climate Action Goals.

With completion of the CEQA compliance, the final design and engineering for construction specifications and City permitting requirements are projected for FY2026/2027 completion. Public Works is also applying for assistance from Pacific Gas & Electric, Co. to provide electric charging infrastructure for future medium and heavy-duty vehicles application.

#### *Renewable Fuel:*

The replacement vehicles will be powered by 100% renewable diesel that reduces greenhouse gas emission by as much as 50-80%. Usage of renewable diesel also complies with the City's Fossil Free Recommendations. This purchase is in alignment with the 2020 Municipal Fleet Electrification Assessment that recognized the lack of commercially available and viable heavy-duty vehicles.

This purchase will support the City's Strategic Plan Goal of creating a resilient, safe, connected, and prepared City. In addition, the 2020 Municipal Fleet Electrification Assessment recognizes that cost-effective electric heavy-duty Front Load vehicles in this classification are not available at this time.

#### BACKGROUND

Throughout the year, each City Department pays its proportionate share into the Equipment Replacement Fund, and those funds are utilized to replace equipment at the end of its useful life. If a vehicle or equipment purchase request exceeds \$25,000, the Department of Finance General Services, Division solicits bids or "piggybacks" off competitively bid contracts to ensure City departments receive the best pricing.

The City of Berkeley has been a no-cost member of Sourcewell (formerly National Joint Powers Alliance) a municipal contracting agency operating under the legislative authority of Minnesota Statute 123A.21. The original 1978 statute was revised in 1995 allowing government clients to meet their specific needs through participation in a

service cooperative, rather than paying the higher cost associated with individual procurement. Sourcwell allows participating municipal agencies to leverage the benefits of cooperative purchasing and reduces procurement cost. Sourcwell serves cooperatively contracted products, equipment and service opportunities to government entities throughout the U.S.

All Sourcwell contracts have been competitively solicited nationwide. On April 16, 2020 Sourcwell released Request for Proposal No. 060920 for Class 4-8 Chassis with Related Equipment, Accessories, and Services. The solicitation was released for fifty-five days and twenty-five proposals were submitted. Upon review the Sourcwell Evaluation Committee selected Crane Carrier Company, LLC, a chassis manufacturer, as the best most responsive proposer to meet the specifications thusly awarding Contract No. 060920-CRN. The Crane Carrier Company authorized dealer/distributor for Northern California is Western Truck Center, the prime vendor, who will handle the pre-delivery prep of the units and delivery to the City of Berkeley.

The Labrie Wittke 40-yard front loading refuse bodies will be purchased piggybacking off Sourcwell Contract No. 091219-LEG. On July 11, 2019, Sourcwell Released Request for Proposal No. 091219 for Mobile Refuse Collection Vehicles with Related Equipment, Accessories, and Services. The solicitation was released for sixty-four days and nine proposals were submitted. Upon review the Sourcwell Evaluation Committee selected Labrie Enviroquip Group as the best most responsive proposer to meet the specifications thusly awarding Contract No. 091219-LEG. The bodies will be provided by Labrie Enviroquip Group exclusive authorized dealer for Northern California Arata Equipment Company.

#### ENVIRONMENTAL SUSTAINABILITY AND CLIMATE IMPACTS

Public Works Equipment Maintenance endeavors to procure the most fuel-efficient vehicles and equipment that are suitable for the required tasks. At present, the Solid Waste & Recycling Transfer Station is undergoing a replacement project that will include electric vehicle charging capabilities that do not exist at this time. Once construction is completed, commercially available EV alternatives will be purchased.

These collection vehicles will have a projected useful life of 8 years. At the end of this period, the Transfer Station replacement will be completed and will have installed electrical infrastructure to support the commercially-manufactured electric Front Loader collection trucks available at that time.

#### RATIONALE FOR RECOMMENDATION

Equipment must be replaced on a reasonable schedule to ensure the Public Works Equipment Operators can efficiently, safely, and effectively carry out their duties.

#### ALTERNATIVE ACTIONS CONSIDERED

None. Keeping equipment longer than its useful life results in higher maintenance costs and excessive downtimes in order to keep operating in a safe and serviceable manner.

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for Four Front Loaders

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CONTACT PERSON

Greg Ellington, Superintendent, Department of Public Works (510) 981-6469

Attachment:  
1: Resolution

RESOLUTION NO. ##,###-N.S.

PURCHASE ORDER: WESTERN TRUCK CENTER FOR FOUR FRONT LOADERS

WHEREAS, four front loaders are needed by the City of Berkeley Zero Waste Division for the commercial and residential collection of refuse, recycling, mixed containers (metal, plastic, aluminum.), and food/green materials; and

WHEREAS, the units to be replaced 6377, 6378, 6379 and 6380 have reached the end of their useful life; and;

WHEREAS, equipment must be replaced on a reasonable schedule that allows equipment operators to efficiently and effectively carry out their work; and

WHEREAS, City Charter XI Section 67.2 allows the City to purchase goods without undergoing a competitive bid process if the City uses pricing obtained by another entity through a competitive bid process; and

WHEREAS, Sourcewell contract bid procedures satisfy the procurement requirements of the City of Berkeley; and

WHEREAS, funds in the amount of \$1,731,000 are available in the FY2022 Equipment Replacement Fund (671).

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the City Manager is authorized to execute a purchase order for four Front Loader trucks with Western Truck Center in an amount not to exceed \$1,731,000.

