



Office of the City Manager

CONSENT CALENDAR
December 15, 2020

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: Arata Equipment Company for Eleven Side Loader Collection Trucks

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 order for eleven (11) Side Loader Collection Trucks with Arata Equipment Company in an amount not to exceed \$4,554,575.16.

FISCAL IMPACTS OF RECOMMENDATION

The purchase of eleven (11) Side Loader Collection Trucks will not exceed \$4,554,575.16 and includes freight, CA tire fees, funds for build incidentals and sales tax. Funding for this purchase is available in the FY 2021 Baseline Budget Fund for Equipment replacement.

CURRENT SITUATION AND ITS EFFECTS

This purchase will replace eleven (11) 25 cubic yard heavy-duty side loader collection trucks that have reached the end of their useful life. The new replacements will be utilized throughout the city to collect refuse, recyclables, and organics from single-family residents, multiple unit properties, and commercial businesses. The existing trucks will be replaced with state-of-the-art automated side arm collection system, enhanced safety features, improved fuel efficiency and maneuverability to better serve the community.

The vehicles being replaced include the following.

Vehicle Unit #s	Year/ Make
6366,6367,6368,6369, 6370,6371,6372,6373, 6374,6375,6376	(1) 2008 Crane Carrier/McNeilus Side Loader. (10) 2012 Crane Carrier/ McNeilus Side Loaders

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 found there are multiple

agencies / companies across the nation testing electric collection truck prototypes, including New York City, GreenWaste of Palo Alto Ca, Sacramento County; Seattle and large collection companies, such as Recology and Republic Services. Manufacturers are developing and testing electric collection trucks for commercial application in the coming years. Companies include Nikola motor company, Mack Trucks (AB Volvo), Volvo, Daimler Trucks, and BYD Motors. Nicola Motors has taken orders for production in 2023, while Mack Trucks has, in the last 6 months, deployed test rear loader collection trucks in Hickory Hill, NC, and New York City, NY. Depending on these results of these tests, Mack may begin commercial production in early 2022. The Transfer Station current electrical infrastructure cannot support a charging system without significant and costly improvements.

To electrify the collection fleet (more than 80 vehicles), the City's Solid Waste & Recycling Transfer Station has completed a Feasibility Study and has now commenced the CEQA permitting process for the facilities replacement on its 7.4-acre site to include infrastructure for future electrification of collection trucks. The Solid Waste & Recycling Transfer Station Feasibility Study¹ presented at the November 5, 2019 City Council Work Session, highlighted needed infrastructure to upgrade and meet GHG emission reduction targets as part of the City's 2009 Climate Action Goals. The projected final design and engineering for construction specifications and City permitting are projected for FY2026 / 2027. Public Works is also applying for assistance from Pacific Gas and Electric to provide electric charging infrastructure for future medium and heavy-duty vehicle applications.

These collection vehicle have a projected useful life of 8-10 years. At the end of this useful life, the Transfer Station replacement will be completed and will have installed electrical infrastructure to support the commercially-manufactured electric side loader collection trucks that will be available by then.

Renewable Fuel

The trucks being replaced 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 Assessment² 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.

¹ https://www.cityofberkeley.info/uploadedFiles/Public_Works/Level_3_-_Solid_Waste/Solid%20Waste%20and%20Recycling%20Transfer%20Station%20Feasibility%20Study%20Report%20to%20Council%2011.5.19%20Part1.pdf

² https://www.cityofberkeley.info/Clerk/City_Council/2020/07_Jul/Documents/2020-07-28_Item_26_Referral_Response_An_Action_Plan.aspx

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 Sourcewell³ (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. Sourcewell allows participating municipal agencies to leverage the benefits of cooperative purchasing and reduces procurement costs. Sourcewell serves cooperatively contracted products, equipment and service opportunities to government entities throughout the U.S.

All Sourcewell contracts have been competitively solicited nationwide. On July 11, 2019, Sourcewell released Request for Proposal No. 091219 for Mobile Refuse Collection Vehicles with Related Equipment, Accessories, and Services. The solicitation was released for approximately sixty-four days and nine proposals were submitted. Upon review the Sourcewell Evaluation Committee selected Labrie Enviroquip Group as the best most responsive proposer to meet the specifications thusly awarding Contract No. 091219-LEG.

The Labrie Enviroquip Group exclusive authorized dealer for Northern California is Arata Equipment Company who is the only dealer approved to sell product, parts and provide service. Arata Equipment Company will provide the HD Right Hand Arm/Automizer bodies. The chassis will be provided by Crane Carrier authorized dealer West Truck Parts and Equipment dealer/distributor for Northern CA.

ENVIRONMENTAL SUSTAINABILITY

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 redevelopment project that will provide electric charging capabilities that do not exist at this time. Hybrid heavy-duty collection trucks are undergoing development and pilot testing around the nation, and expected to be commercially available when site construction is completed.

³ <http://www.sourcewell-mn.gov/>

Replacement side loading collection trucks will be powered by 100% renewable diesel fuel designed to reduce greenhouse gas emission by 50-80%, and meets the 2018 EPA and California Air Resources Board (CARB) requirements.

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 it operating in a safe and serviceable manner.

CONTACT PERSON

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

Attachment:

1. Resolution

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

PURCHASE ORDER: ARATA EQUIPMENT COMPANY FOR ELEVEN SIDE LOADER
COLLECTION TRUCKS

WHEREAS, eleven side loader collection trucks are needed by City of Berkeley Zero Waste Division for the commercial and residential collection of refuse, recyclables, and organics; and

WHEREAS, the vehicles to be replaced 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, on July 11, 2019 Sourcewell released Request for Proposal No. 091219 for Mobile Refuse Collection Vehicles with Related Equipment, Accessories, and Services. The solicitation was released for approximately sixty-four and nine proposals were submitted. Upon review Labrie Enviroquip Group was selected as the best most responsive proposer to meet the specifications, thusly awarding Contract No. 091219-LEG; and

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

WHEREAS, funds in the amount of \$4,554,575.16 are available in the FY2021 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 eleven Side Loader Collection Trucks with Arata Equipment Company in an amount not to exceed \$4,554,575.16.

