



Office of the City Manager

CONSENT CALENDAR  
May 31, 2022

To: Honorable Mayor and Members of the City Council  
 From: Dee Williams-Ridley, City Manager  
 Submitted by: Liam Garland, Director, Public Works  
 Subject: Purchase Order: Papé Machinery, Inc. for the completed rebuild and repair of Zero Waste Division's John Deere Wheel Loader, Unit No. 6505

RECOMMENDATION

Adopt a Resolution authorizing the City Manager to execute a purchase order with Papé Machinery, Inc. for the complete rebuild, major component replacement and repair of Zero Waste Division's John Deere Wheel Loader, Unit No. 6505, in an amount not to exceed \$345,188.20.

FISCAL IMPACTS OF RECOMMENDATION

Funding is available in Fiscal Year 22 Equipment Maintenance Fund (672-54-626-722-0000-000-472-613120).

CURRENT SITUATION AND ITS EFFECTS

PW Fleet and Zero Waste Division solicited a quote on the Division's John Deere Wheel Loader, Unit No. 6505, from Papé Machinery, Inc. (sole provider of John Deere equipment), for a complete rebuild, also referred to as a re-life, to address much needed manufacturer recommended repairs due to typical wear and tear that can be expected of a wheel loader of this type and age, given its working conditions. Because Unit No. 6505 had low operating hours, Public Works decided to invest in a rebuild instead of replacing the unit which would have cost \$419,855 or more plus the cost of leasing a unit while awaiting the new unit. Also, the turnaround time for a rebuild was significantly shorter than purchasing a new unit. Pulling the wheel loader back into service as quickly as possible was necessary to support the Zero Waste Division's operations from 3:00 a.m. to 5:30 p.m., 6 days per week, 52 weeks per year. Not doing so could have significantly impacted the division's ability to stay operational.

Authorizing this purchase order supports the Strategic Plan Priority goal to provide state-of-the-art, well-maintained infrastructure, amenities, and facilities.

BACKGROUND

On July 14, 2015, the City Council approved Resolution No. 67,160-N.S. for the purchase of one 2016 John Deere 644K Hybrid AWD Loader in the amount not to exceed \$394,000. On July 21, 2015, the Department of Finance, General Services

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approved PO 106603 that was issued to HGACBuy Contractor, Papé Machinery, Inc., to purchase this wheel loader in the amount of \$388,732. This was a piggyback purchase off of HGACBuy Contract # EM06-13.

Papé Machinery, Inc. is an authorized John Deere Construction & Forestry Company (JDCFC) dealer in the state of California, including the City of Berkeley. Papé Machinery, Inc. is authorized and trained to sell, lease, and rent JDCFC products as specified in their John Deere Construction & Forestry Company Dealer Agreement and authorized to sell the subsequent genuine OEM parts. In addition, Papé Machinery, Inc. is qualified and trained to provide service and warranty repairs on JDCFC products.

#### ENVIRONMENTAL SUSTAINABILITY AND CLIMATE IMPACTS

The rebuilt Wheel Loader has a new Hybrid Drive Motor and drive components in combination with an engine powered by renewable diesel fuel. The combined systems reduce fuel consumption by an estimated 25% and reduce greenhouse gas emission by as much as 50-80%. Usage of renewable diesel complies with the City's Fossil Free recommendations. Additionally, the vehicle is equipped with a Tier 4 Final engine application that meets the strictest EPA emissions requirement for off-highway diesel engines.

Public Works contacted heavy equipment manufacturing representatives from Case, Peterson Caterpillar, Doosan (Bobcat), Komatsu, Volvo, and Hitachi regarding the availability of fully electric versions of this equipment. These representatives confirmed there are no fully electric versions available for 20-ton Wheel Loader at this time.

#### RATIONALE FOR RECOMMENDATION

The wheel loader needed substantial repairs, and a rebuild was necessary to save money and have the machine back in service in a significantly shorter time frame.

#### ALTERNATIVE ACTIONS CONSIDERED

None.

#### CONTACT PERSON

Greg Ellington, Superintendent, 981-6469

Attachments:

1: Resolution

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

PURCHASE ORDER: PAPÉ MACHINERY, INC. FOR REPAIRS TO WHEEL LOADER  
EQUIPMENT NO. 6505

WHEREAS, major component replacement and repairs to Zero Waste John Deere Wheel Loader Equipment No. 6505 were needed to support Zero Waste Transfer Station Operations; and

WHEREAS, equipment must be maintained that allows operators to efficiently and effectively carry out their work duties; and

WHEREAS, Papé Machinery, Inc is the authorized John Deere Construction & Forestry Company (JDCFC) dealer in the state of California, including the City of Berkeley; and

WHEREAS, Papé Machinery, Inc. is trained to repair JDCFC products as specified in their John Deere Construction & Forestry Company Dealer Agreement and authorized to sell the subsequent genuine OEM parts.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the City Manager is authorized to execute a purchase order with Papé Machinery, Inc. for the major component replacement and repairs to Zero Waste John Deere Wheel Loader, Unit No. 6505, in an amount not to exceed \$345,188.20.

