

SUBMITTAL TO THE BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA



ITEM: 15.1
(ID # 29111)

MEETING DATE:
Tuesday, November 04, 2025

FROM : DEPARTMENT OF WASTE RESOURCES

SUBJECT: DEPARTMENT OF WASTE RESOURCES: Authorize the Purchasing Agent to Issue a Purchase Order to Caron Compactor Company for the Purchase of Pin-On Wheels for FY 25/26 in the Amount of \$219,881 without Seeking Competitive Bids; District 5. [\$219,881 Total Cost; up to \$32,982 in additional compensation – Department of Waste Resources Enterprise Funds 100%]

RECOMMENDED MOTION: That the Board of Supervisors:

1. Direct the Purchasing Agent to issue a Purchase Order to Caron Compactor Company for the purchase of Pin-On Wheels for FY 25/26 without seeking competitive bids in the amount of \$219,880.55; and
2. Direct the Purchasing Agent, in accordance with Ordinance No. 459, based on the availability of fiscal funding to (a) issue a change order(s) to the Purchase Order for other direct costs that do not exceed the sum total of \$32,982.08.


ACTION:Policy


Andrew Cortez 10/24/2025

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Gutierrez, seconded by Supervisor Medina and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Medina, Spiegel, Washington, Perez and Gutierrez
Nays: None
Absent: None
Date: November 4, 2025
xc: Waste

Kimberly A. Rector
Clerk of the Board
By: 
Deputy

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,
STATE OF CALIFORNIA**

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost
COST	\$ 252,862.63	\$ 0	\$ 252,862.63	\$ 0
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0
SOURCE OF FUNDS: Department of Waste Resources Enterprise Funds 100%			Budget Adjustment: No	
			For Fiscal Year: 25/26	

C.E.O. RECOMMENDATION: Approve

BACKGROUND:

Summary

A landfill's operational lifespan depends on several key factors, including its size, waste flow projections, and compaction density. Achieving higher compaction density extends the landfill's useful life by maximizing available space. Landfill compactors play a critical role in maintaining site efficiency and ensuring regulatory compliance. The performance of a landfill compactor is primarily determined by its operating weight and wheel design, specifically the cleats on the wheel drums. These cleats penetrate the waste and deliver concentrated compression points that increase density, conserve airspace, and ultimately extend the landfill's operational lifespan.

Compactor wheels are typically replaced every two to three years, with the last replacement occurring approximately two years ago. The Department's current compactor wheels have experienced wear and tear that cannot be repaired, as the cleats are welded in a single piece.

To improve durability and long-term cost efficiency, the Department proposes purchasing Pin-On Wheels from Caron Compactor Company. Caron wheels feature replaceable cleats, which are expected to provide a longer operational lifespan and lower future replacement costs.

Impact on Residents and Businesses

Effective landfill compaction benefits the public by maximizing the efficiency, safety, and environmental performance of solid waste operations.

Additional Fiscal Information

Budget for this work will be provided by DWR from Fund 40200, Department ID – 4500100000

Contract History and Price Reasonableness

Approximately two years ago, the Department purchased a new set of standard compactor wheels for \$130,000, not including freight. The proposed \$188,000 cost for the Caron wheels is considered reasonable given an average 9% annual increase in the Consumer Price Index (CPI) over that period and the fact that Caron is the patent holder and original manufacturer of this wheel design.

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SUPPLEMENTAL:

ATTACHMENT A. APPROVED SSJ# 26-065

ATTACHMENT B. QUOTE

ATTACHMENT C. PATENT HOLDER LETTER

ATTACHMENT D. LIMITED WARRANTY

Melissa Curtis
Melissa Curtis, Deputy Director of Purchasing and Fleet 10/28/2025

Crystal Carrillo
Crystal Carrillo, Senior Management Analyst 10/29/2025

Andy Cortez, General Manager-Chief Engineer

Date: Monday, October 6, 2025
From: Andy Cortez, General Manager-Chief Engineer
To: Purchasing Agent
Via: Maritza Alatorre, Buyer II
Subject: Request for Caron Compactor Pin-On Wheels

The below information is provided in support of my department requesting review for a single or sole source purchase/agreement with a cost of \$5,000 or more for goods and/or services.

Single Source Sole Source

Supporting Documents: indicate which are included in the request from the list below.

Supplier Quote Supplier Sole Source Letter Final draft agreement

Final draft Form 11 H-11 approved by RCIT/TSOC Grant Agreement

Other: _____ (i.e. CA Secretary of State Business Entity Information, Dept. of Justice Registration Conformation for non-profits, etc.)

1. Requested Supplier Name: Caron Compactor Company Supplier ID: 0000001831

a. Describe the goods/service being requested: Pin-On wheels for 836K compactor.

b. Explain the unique features of the goods/services being requested from this supplier: Pin-On wheels allow for better traction, compaction, demolition while also giving the heavy equipment enhanced stability. This feature produces maximum compaction density using the 8.5" double-crown contour Pin-On teeth caps acting as a type of cleat for the compactor. The Pin-On Wheels also offer extra measures of protection such as Wire Safeguard Group (WSG) and Seal Protection Group (SPG) that will essentially reduce downtime and wheel maintenance. The Caron Wire Safeguard Group (WSG) is designed to prevent wire build-up on the axle. The Caron Seal Protection Group (SPG) is designed to prevent wire and debris from entering the wheel inner drum. These are primary causes for downtime.

Pin-On wheels enhance traction, compaction, and demolition performance while increasing overall stability of heavy equipment. This design enables maximum compaction density through 8.5" double-crown contour Pin-On tooth caps, which act like cleats for the compactor. In addition to performance benefits, Pin-On wheels

also reduce maintenance needs and downtime thanks to added protective features, including the Wire Safeguard Group (WSG) and Seal Protection Group (SPG). The WSG feature helps prevent wire from wrapping around the axle, the SPG feature blocks wire and debris from entering the inner drum of the wheel. Both systems address two of the most common causes of compactor downtime.

- c. What are the operational benefits to your department? The 836K Compactor is a heavy-duty machine designed to reduce landfill airspace and maximize waste management capacity. Its steel-wheel teeth shred and break apart waste while providing traction control during operation. The addition of Pin-On wheels enhances the performance of County-owned 836K Compactors by increasing compaction density and improving lateral stability. Achieving finer compaction not only boosts efficiency but also extends the operational lifespan of the landfill, delivering long-term benefits for both capacity and cost management.
- d. Provide details on any cost benefits/discounts. Pin-On wheels offer significantly longer wear compared to traditional one-piece welded teeth designs. OEM wheels typically feature welded-on teeth, which, when worn or damaged, require full wheel replacement or dealer-performed repairs. In contrast, Pin-On teeth are mounted using a double-pin and coiled spring system, allowing for in-house tooth replacement without welding, minimizing both wheel replacement and machine downtime. Caron Compactor Co. backs its Pin-On wheels with a warranty of 10,000 hours or five (5) years of service life, whichever comes first, starting from the date of sale to the first user. Additionally, the supplier guarantees all equipment to be free from defects for the first one (1) year or 2,000 hours, whichever occurs first, from the date of delivery.
2. Can this request be formally bid out or procured using a viable solution such as an existing cooperative agreement or existing contract with another department or public entity?
- Yes No
- a. If yes, please explain why you are requesting to utilize an SSJ process? N/A
3. Has your department previously requested/received an assigned tracking number for a single or sole source request for this Supplier for the goods/service requested now? *(If yes, please provide the reviewed single or sole source tracking number).*
- Yes SSJ# N/A No
- a. What was the total annual and aggregate amount? N/A

Andy Cortez, General Manager-Chief Engineer

Note: Once signed by the Department Head and PCS (signature lines above), the PCS will e-mail completed SSJ form with supporting documents to psolesource@rivco.org, and cc: Supervising PCS. Please reach out to your assigned PCS with any questions.

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The section below is to be completed by the Purchasing Agent or designee.

Purchasing Department Review and Comments: _____

Not to exceed:

- One-time \$252,862.63 including contingency
- Annual Amounts reflected in completed chart for Question #4
- Total Cost \$_____
- Aggregate Amount \$_____

_____	10/10/2025	26-065
Purchasing Agent Signature	Date	Tracking Number (Reference on Purchasing Documents)



RE-BUILT EXCHANGE DOUBLE-CROWN® WITH SHEDEDGE® PIN-ON®

8.5" TALL



836K

CARON COMPACTOR COMPANY is the patent holder (US 7,108,452) and **sole source** manufacturer for landfill compaction wheels with 8.5" **DOUBLE-CROWN** Traction and Contour Pin-On® teeth with replaceable caps.

These teeth have been proven to provide the best possible combination of machine traction and demolition effect that produces maximum compaction density. Each replaceable cap is secured to a protected, reusable base by a double pin and coiled spring retainer system. Our Pin-On replaceable caps are heat treated to a higher degree of hardness than one-piece weld-on tooth or blade designs to provide the longest possible wear life and replacement without welding or extended machine downtime.

- Teeth are a combination of two distinct shapes one designed for traction and compaction, the other for demolition and lateral stability.

**RIVERSIDE COUNTY - LAMB CANYON LF
\$187,891 + \$14,298 ROUND TRIP FREIGHT**

Price good thru Sept 17, 2025.

Price is based on exchange of current wheels. Once wheels are removed and cleaned of debris and ready for highway transport for same day shipment as delivery become the property of Caron Compactor Co.

All applicable taxes, tariffs, duties, overseas packaging and insurance is the full responsibility of the purchaser.

CARON RE-BUILT EXCHANGE WHEELS

- New 1" Thick Outer Drums.
- New 8.5" Caron Pin-On Teeth in a 5x9 Intermittent Wire Safeguard® (WSG®) Tooth Pattern 180 Total Cleats.
- Inner Cone Wear Bars.
- Extreme Service Outer Drum Edge Hardfacing.
- Inner Drum Extensions with Wearbars Adaptable to Cat Front and Rear Axle Guards.
- Sand Blast and Paint.
- Re-Built Wheels Are Guaranteed The Same As New.

1204 Ullrey Avenue • Escalon, CA 95320 USA • (209) 838-2062 • FAX (209) 838-1404

www.caroncompactor.com & email: sales@caroncompactor.com

As part of our continuing design and engineering program, CARON COMPACTOR COMPANY reserves the right to make changes at any time in materials, model and prices without prior written notice or obligation. CARON, Double-Crown, ShedEdge, Wire Safe Guard, WSG and Pin-On are trademarks of Caron Compactor Company. CAT is a registered trademark of Caterpillar, Inc.



OVER 59 YEARS OF SERVICE TO THE SOLID WASTE DISPOSAL INDUSTRY

1204 ULLREY AVENUE
ESCALON, CA 95320
(209) 838-2062
(209) 838-1404 FAX

www.caroncompactor.com
caronsales@caroncompactor.com

July 11, 2025

Mr. Carlos Guerrero
Fleet Manager
RIVERSIDE COUNTY MORENO VALLEY MAINTENANCE
14290 Fredrick Street
Moreno Valley, CA 92553

Via E-Mail: carlosguerrero@rivco.org

Dear Carlos,

Please consider this letter written notification that **CARON COMPACTOR COMPANY** is the patent holder (US 7,108,452) and **sole source** manufacturer for landfill compaction wheels with 8.5" **DOUBLE CROWN** with **SHEDEDGE** Traction and Contour Pin-On® replaceable caps for your 836K (s/n TWZ00666 Unit No. 18-952) 55" Wide Re-Built Exchange Wheels.

Caron wheels feature our unique combination of horizontal "traction" and vertical "contour" **SECUREMAX**® teeth arranged in a 5 row/9 teeth per row Intermittent Wire Safeguard® (WSG®) Pattern .

These teeth have been proven to provide the best possible combination of machine traction and demolition effect that produces maximum compaction density. Each replaceable cap is secured to a protected, reusable base by a double pin and coiled spring retainer system. Our Pin-On replaceable caps are heat treated to a higher degree of hardness than one-piece weld-on tooth or blade designs to provide the longest possible wear life and replacement without welding or extended machine downtime.

If you have any questions regarding our products or their availability, please contact our office toll free.

Sincerely,

A handwritten signature in black ink that reads "Mark Stapp". The signature is written in a cursive, flowing style.

Mark Stapp
National Sales Manager

cc: Dave Williams
Riverside County – Lamb Canyon (LF-4937)

RIVERSIDE COUNTY, CA



AUGUST 2025

THE 8.5" DOUBLE CROWN PIN-ON TOOTH LIMITED WARRANTY

CARON COMPACTOR CO. warrants Pin-On Landfill Compactor teeth for 10,000 hours or five (5) years of service life, whichever occurs first, starting from date of sale to the first user.

Caron Compactor Responsibilities

If teeth wear out before the warranted service life is achieved, CARON will, during normal business hours and at a place of business of the user or other source approved by CARON:

Provide an allowance toward the purchase of new CARON replacement cleats based on actual hours or age accumulated at time of wear out. Wear out will be determined from an average value obtained using the manufacturer's wear chart.

We guarantee all equipment manufactured by us to be free from defects in materials and manufacture at the time of shipment for a period of one (1) year or two thousand (2,000) hours, whichever accrues first, from the date of delivery. We will furnish without charge, not including freight and installation, replacement teeth (new or used) if there is loss of the complete tooth installed by Caron. If a customer elects to install teeth or feet furnished by Caron, the customer accepts sole responsibility for weld failure and/or loss.

User Responsibilities

The user is responsible for:

- Labor (including welding) associated with the removal and installation of the wheels and/or teeth.
- Parts shipping charges plus any shipping charges in excess of those which are usual and customary.
- Following Caron's recommended maintenance practices. **Customer must rotate wheels front to back at or about mid-life point of the teeth.**

Limitations

This warranty applies only to complete wheels with Pin-On built solely by and sold by CARON and used in a municipal solid waste landfill. We do not recommend weld build-up or hardfacing on CARON weld-on cleats due to the metallurgy and high Brinell hardness.

This warranty does not apply to wheels used in landfills that process primarily hazardous waste. Caron is not responsible for failure resulting from improper installation or use that is judged improper or failure resulting from unauthorized repair.

This guarantee shall not apply to any equipment that has been subjected to misuse, misapplication from its intended use, neglect (including but not limited to improper maintenance), accident, improper installation, modifications, or adjustments made without the prior written consent of an officer of CARON COMPACTOR CO.

Equipment and/or parts manufactured by others is not warranted in any way by CARON and carries only the respective manufacturer's warranty, if applicable.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. REMEDIES UNDER THIS WARRANTY ARE LIMITED TO THE PROVISION OF MATERIAL AND LABOR. CARON COMPACTOR IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO DOWNTIME.

ANY VARIATION OR EXTENSION OF THIS WARRANTY MADE BY CARON COMPACTOR PERSONNEL, MACHINE MANUFACTURER'S PERSONNEL, OR ANY OTHER REPRESENTATIVE IS EXPRESSLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF AN OFFICER OF CARON COMPACTOR.

Caron is trademarks of Caron Compactor Co.