



## CITY COUNCIL AGENDA REPORT

**MEETING DATE:** Tuesday, March 25, 2025  
**TO:** CITY COUNCIL  
**WRITTEN BY:** ENVIRONMENTAL PROJECTS MANAGER VU-DUC  
**RECOMMENDED BY:** PUBLIC WORKS & UTILITIES DIRECTOR LINDBERG  
**APPROVED BY:** TAMARA VIDES, CITY MANAGER

**SUBJECT:** APPROVE THE PURCHASE OF TWO COMPACT ELECTRIC STREET SWEEPERS FROM GREEN MACHINES FOR AN AMOUNT NOT TO EXCEED \$275,000

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### RECOMMENDATION:

Authorize purchase of the Green Machines 100% electric GM500ze and GM400ze RS compact sweepers for an amount not to exceed \$275,000 using special grants funding [0260] as allocated from the ¡Adelante Watsonville! California Air Resources Board Sustainable Transportation Equity Project.

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### BACKGROUND:

The City expanded its network of bike lanes and trails supporting active and low-carbon transport options. To effectively maintain this infrastructure, the lanes require regular sweeping to remove debris and keep these features safe for users. Existing street sweeping vehicles, however, do not fit in the bike lanes' narrow width between delineators and the curb.

The City also is working to meet its commitments to a fully electric fleet by 2030 as outlined in the Climate Action & Adaptation Plan. This presented an opportunity to meet the need for a compact sweeper with a zero-emission option. To finance this procurement, City staff included a \$275,000 line item in a grant application led by Ecology Action of Santa Cruz for an electric compact street sweeper to maintain bike lanes and space-constrained areas. This application was successful, and in 2024, the California Air Resources Board (CARB) awarded a Sustainable Transportation Equity Project (STEP) grant to Ecology Action. \$275,000 is now available to the city to purchase a compact electric street sweeper as part of the ¡Adelante Watsonville! project.

### DISCUSSION:

Staff requested quotes from 11 manufacturers of compact electric sweepers, including Aebi Schmidt, Bortek, Boschung, Excelway (trading under Exprolink), Fayat Environmental Solutions, Global Environmental Products, Green Machines, Madvac, Multihog and Tenax Int'l.

Five manufacturers responded with the following quotes compared in Table 1 below. Prices shown do not include sales tax:

**Table 1 Compact Electric Sweeper Price Comparison (Low to High)**

Compact Electric Sweeper Quotes Received		
Price	Make	Model
\$249,723	Green Machines	GM500ze and GM400ze RS Combo
\$275,643	Madvac	LS125 Electric Sub-Compact Sweeper
\$333,449	Boschung	Urban Sweeper S2.0
\$335,644	Multihog	C Series Electric Multi-purpose Vehicle
\$651,096	Global Environmental Products	M3 EV

Staff recommend purchasing the lowest priced option from Green Machines, which offered 2 compact electric sweepers of different models, their GM500ze and GM400ze, for the one price. The demonstration of the GM500ze met expectations of the field staff who will be operating the compact sweeper routes primarily within bike lanes and trails, with good performance picking up a variety of debris.

## **CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DETERMINATION:**

The purchase of compact electric street sweepers for the on-going function of maintaining clean, safe bike lanes and trails is not a project pursuant to the California Environmental Quality Act (CEQA) because it can be seen with certainty based on substantial evidence in the record that the approval constitutes an operational government maintenance activity that does not involve any commitment to any specific project that may result in a potentially significant physical impact on the environment (CEQA Guidelines section 15378(b)(4)).

## **STRATEGIC PLAN:**

The purchase of these two compact electric street sweepers using external grant funds enables the city to maintain bike lanes effectively for public safety and deliver on our environmental goals, supporting the following strategic plan areas:

**Infrastructure & Environment**

**Fiscal Health**

**Public Safety**

## **FINANCIAL IMPACT:**

Funding for this purchase will be fully provided by the California Air Resources Board (CARB) awarded Sustainable Transportation Equity Project (STEP) grant's \$275,000 allocation as part of the ¡Adelante Watsonville! project.

## **ALTERNATIVE ACTION:**

No reasonable alternatives are known at this time.

**ATTACHMENTS AND/OR REFERENCES (IF ANY):**

1. Quote received for Green Machines' 500ze and 400ze compact electric sweepers for \$249,723 + tax