

### TDA Article 3 Project Application Form

1. <b>Agency</b>	CITY OF HAYWARD		
2. <b>Primary Contact</b>	MANNY GREWAL		
3. <b>Mailing Address</b>	24505 SOTO RD, HAYWARD, CA 94541		
4. <b>Email Address</b>	<a href="mailto:MANNY.GREWAL@HAYWARD-CA.GOV">MANNY.GREWAL@HAYWARD-CA.GOV</a>	5. <b>Phone Number</b>	510-583-2139
6. <b>Secondary Contact</b> (in the event primary is not available)	LIZ SANCHEZ		
7. <b>Mailing address</b> (if different) N/A <input type="checkbox"/>			
8. <b>Email Address</b>	<a href="mailto:LIZ.SANCHEZ@HAYWARD-CA.GOV">LIZ.SANCHEZ@HAYWARD-CA.GOV</a>	9. <b>Phone Number</b>	510-583-4822
10. <b>Send allocation instructions to</b> (if different from above):			
11. <b>Project Title</b>	CLASS IV COMPACT SWEEPER		
12. <b>Amount requested</b>	\$390,000	13. <b>Fiscal Year of Claim</b>	FY 23/24

**14. Description of Overall Project:**

This project will fund the purchase of a compact sweeper (\$302,500) and the ongoing maintenance for parts and service for the life of the vehicle (\$12,500 for seven (7) years).

**15. Project Scope Proposed for Funding:** (Project level environmental, preliminary planning, and ROW are ineligible uses of TDA funds.)

Scope of project is solely for the purchase of the vehicle and the ongoing maintenance for parts and services.

**16. Project Location:** A map of the project location is attached or a link to a online map of the project location is provided below:

This vehicle will be used throughout the City’s jurisdiction to maintain all bike lanes.

**Project Relation to Regional Policies** (for information only)

17. Is the project in an [Equity Priority Community](#)?

Yes  No

18. Is this project in a [Priority Development Area](#) or a [Transit-Oriented Community](#)?

Yes  No

**19. Project Budget and Schedule** (ETA – June 2024)

Project Phase	TDA 3	Other Funds	Total Cost	Estimated Complete (month/year)
Bike/Ped Plan				
ENV				
PA&ED				
PS&E				
ROW				
CON	390,000			June 30, 2024
<b>Total Cost</b>	<b>390,000</b>			

**Project Eligibility**

A. Has the project been reviewed by the Bicycle and Pedestrian Advisory Committee?

Yes  No

If "YES," identify the date and provide a copy or link to the agenda.

If "NO," provide an explanation). **Will attend the ACTC BPAC on 04/20.**

B. Has the project been approved by the claimant's governing body?

Yes  No

If "NO," provide expected date: Will request approval in late-April, after the BPAC meeting

C. Has this project previously received TDA Article 3 funding?

Yes  No

(If "YES," provide an explanation on a separate page)

D. For "bikeways," does the project meet Caltrans minimum safety design criteria

Yes  No

pursuant to [Chapter 1000 of the California Highway Design Manual](#)? N/A

E. 1. Is the project categorically exempt from CEQA, pursuant to CCR Section 15301(c),

Yes  No

Existing Facility?

2. If "NO" above, is the project is exempt from CEQA for another reason?

Yes  No

Cite the basis for the exemption. \_\_\_\_\_

N/A

If the project is not exempt, please check "NO," and provide environmental documentation, as appropriate.

F. Estimated Completion Date of project (month and year):

\_\_\_\_\_ N/A \_\_\_\_\_

G. Have provisions been made by the claimant to maintain the project or facility, or has

Yes  No

the claimant arranged for such maintenance by another agency? (If an agency other than the Claimant is to maintain the facility, please identify below and provide the agreement.

H. Is a Complete Streets Checklist required for this project ?

N/A

Yes  No

If the amount requested is over \$250,000 or if the total project phase or construction phase is over \$250,000, a Complete Streets checklist is likely required. Please attach the Complete Streets checklist or record of review, as applicable. More information and the form may be found here:

<https://mtc.ca.gov/planning/transportation/complete-streets>



# ZERO EMISSIONS, 100% PERFORMANCE

Today, Dulevo International has designed the first fully electric street sweeper, guaranteeing an optimum performance and minimal environmental impact. The new machine, named

the D.zero², has been created to comply with four fundamental characteristics that constitute its design philosophy and that make it a unique product within the sector:

ZERO EMISSIONS



ZERO MANOEUVRE PROBLEMS



ZERO LIMITATIONS



ZERO RISKS



TECHNICAL DATA		D.zero²	D.zero²Plus
Sweeping width			
- Minimum	in (mm)	69 (1750)	
- Maximum	in (mm)	126 (3200)	
- With third brush	in (mm)	n.d.	133,9 (3400)
Grosse volume capacity	ft² (m²)	2,75 (2.1)	
Dumping height	in (mm)	57 (1450)	
Maximum speed	mph (Km/h)	15,6 (25)	
Cleaning performance	ft²/h (m²/h)	271.152 (25.200)	361.536 (33.600)
Seats in the cabin	n°		2
Battery	Ah/V	600 / 96	800 / 96





Dulevo Americas Inc.  
7780 NW 56th Street Doral  
33166 Miami (FL) USA  
T: (305) 677-0555  
F: (305) 677-0555  
[www.dulevo.us](http://www.dulevo.us)

Dulevo Fayat Group  
Via Giovannino Guareschi, 1  
43012 Fontanellato (PR) ITALIA Tel:  
+39-0521-827711  
Fax: +39-0521-827795  
[www.dulevo.com](http://www.dulevo.com)





**D.zero<sup>2</sup>**

**100% ELECTRIC**

# DULEVO INTERNATIONAL: OUR COMMITMENT FOR A CLEAN WORLD

Dulevo International is the leading Italian manufacturer in the industrial and urban cleaning sector, thanks to its street sweepers and indoor and private floor care products. Present in over 80 countries worldwide, Dulevo International is a leading global manufacturer, boasting a state-of-the-art research and development facility and an annual production capacity in excess of 2,000 machines.

The world changes, cities change. Municipalities are paying more and more attention to the environment and the means to reduce the impact on both the land and its inhabitants to as great an extent as possible. Subsequently, when it comes to its own products, Dulevo International has always been committed to reducing

the harmful emissions associated with the best-performing machines. Through important partnerships and company-owned patents, it has perfected its dust filtration systems, thereby eliminating PM10 emissions

altogether. With the mechanical suction system, Dulevo International has obtained a significant reduction in the noise levels emitted by its machines, enabling the operators to work effectively without creating acoustic disturbances. Over the years, Dulevo International has designed a methane gas-powered sweeper, capable of ensuring emissions below the most stringent of limits enforced by the law.





Zero Zero Zero Zero Zero Zero Zero Zero

## EMISSIONS



The new Dulevo electric street sweeper is characterised by the fact that zero dust pollution, Zero CO2 Emissions and zero harmful gases are re-emitted into the environment during the collection phase.

The various work functions, being electric and therefore not dependent on a traditional engine, reduce noise emissions by a staggering 30% with respect to traditional street sweepers. This particular characteristic enables the operators to make the most of the night shift, cleaning the streets without disturbing the peace.





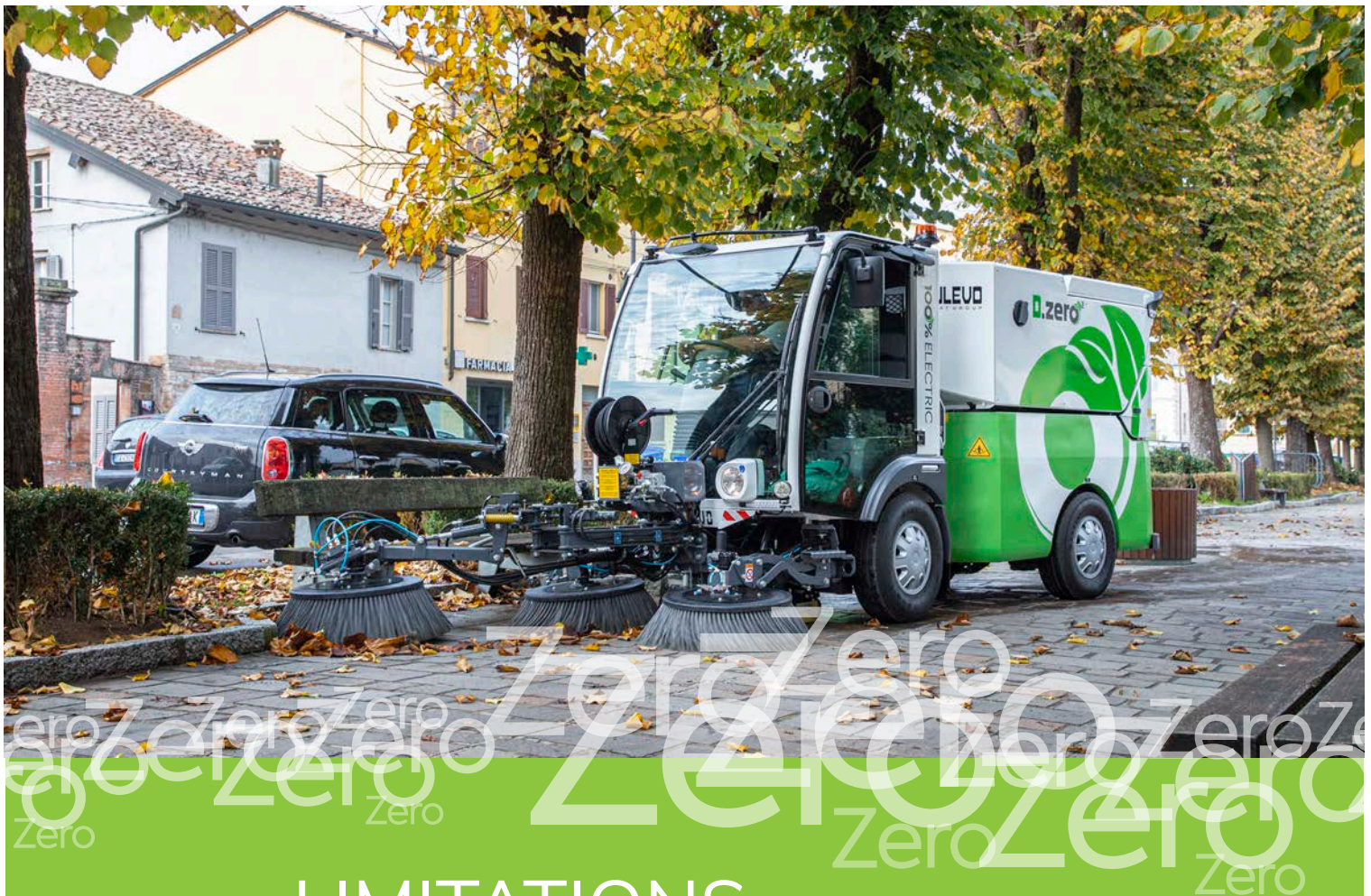
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## MANOEUVRE PROBLEMS



The new electric model, thanks to its size and optimal manoeuvrability, is able to operate superbly within historic city centres and tight spaces, such as cycle paths and pedestrian zones.

Being an articulated street sweeper, steering by means of the central joint on the two halfframes facilitates even the most complex of manoeuvres.



## LIMITATIONS



Capable of replacing traditional machines with endothermic engines in terms of power and sweeping capacity, the new Dulevo ensures a full work shift, without having to reload the vehicle.

If on the one hand, the sweeping performance is on par with that of a traditional street sweeper, then on the other, the running and maintenance costs are drastically lower. In fact, the running costs of an electric sweeper are approximately 80% lower than those of a diesel-powered machine\*, working the same number of hours and shifts.

The maintenance costs are also lower. The battery life of the Dulevo electric sweeper is guaranteed up to 3,000 cycles\*.

\*\*Dulevo internal assessment



# Zero

## RISKS



Safety requirements regarding both the operator and other persons who frequently come into contact with the machine (maintenance technicians, personnel on the ground for joint operations etc.), has led us to adopt low-voltage technology, so as to nullify the risks associated with electric equipment.