# **Urban Cleanliness Enhancement Measures**

#### Direction

- O Deployment of low-emission road cleaning vehicles (CNG, electric, hydrogen) to effectively control fugitive road dust and fine particulate matter and to enhance road cleaning services
- Supply of eco-friendly cleaning equipment to improve the quality, efficiency, and safety of cleaning services

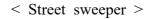
## ☐ Urban Cleanliness Improvement Results

- O Progress in the deployment of low-emission road cleaning vehicles
  - 138 low-emission road cleaning vehicles deployed (from 2020 to 2023)
    - \* Seoul ceased support for diesel road cleaning vehicles in 2020 and expanded support for low-emission vehicles.
- O Progress in the supply of eco-friendly cleaning equipment
  - 1,078 eco-friendly cleaning equipment units supplied (from 2022 to 2023)
    - \* Support for eco-friendly cleaning equipment commenced in 2022.

## ☐ Urban Cleanliness Improvement Initiatives

- O Deployment of low-emission road cleaning vehicles
  - Seoul plans to enhance road cleaning by expanding the deployment of low-emission road cleaning vehicles (CNG, electric, hydrogen) and aims to replace all 255 diesel cleaning vehicles with low-emission vehicles by 2026.
  - (High-pressure cleaning vehicle) Deploy 42 high-pressure cleaning vehicles by 2026 to effectively cleanse road dust with high-pressure water spray.
  - (Street sweeper) Distribute 80 street sweepers by 2026, equipped with brushes and suction ports installed on both sides to vacuum road debris and leaves.
  - (**Dust suction vehicle**) Provide 95 dust suction vehicles by 2026, which vacuum road dust through the bottom suction port and remove it through the rear filter.

# < High-pressure cleaning vehicle >



#### < Dust suction vehicle >







Enhancing road cleaning and replacing diesel vehicles to low-emission (CNG, electric, and hydrogen) vehicles

### • Supply of eco-friendly cleaning equipment

- Seoul is enhancing the working environment and safety for sanitation workers engaged in tasks like street cleaning and household waste collection and transport by introducing electric-powered eco-friendly cleaning equipment.
- (Electric cart) By 2026, Seoul plans to deploy 250 electric carts to replace traditional manual equipment like hand carts and rear carts in areas where vehicle access is challenging, such as narrow alleys.
- (Street cleaning machine) By 2026, Seoul will supply 130 electric street cleaning machines, capable of replacing brooms and dustpans in areas with heavy tourist and pedestrian traffic.
- (Electric blower) By 2026, Seoul plans to provide 300 eco-friendly electric blowers, which are lightweight alternatives to conventional gasoline blowers. (Goal achieved)



Enhanced safety and convenience, modernized equipment

High noise and heavy equipment -> Low noise and lightweight alternatives