



# AGENDA REPORT

**TO:** Edward D. Reiskin  
City Administrator

**FROM:** David Ferguson  
Interim Director of Public  
Works

**SUBJECT:** Street Sweeping Program

**DATE:** June 10, 2021

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City Administrator Approval

Date: Jun 10, 2021

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## **RECOMMENDATION**

**Staff Recommends That The City Council Receive An Informational Report From The City Administrator Providing An Analysis Of The GIS System's Street Sweeping Routes And Protocols; Staffing Levels, Average Number Of Routes Missed Daily And Location By District; Provide An Updated Map Of The Street Sweeping Days And Routes To Be Placed On The City's Website; Include The Annual Maintenance Costs And Lifespan Of The Street Sweeping Equipment; Provide a Report On The Areas Where Residents Are Being Ticketed For Street Sweeping.**

## **EXECUTIVE SUMMARY**

This report provides an overview of the current street sweeping program and the challenges to provide routine service to most city streets. At the February 2, 2021, City Council meeting the following information were requested by councilmembers:

1. Assessment of the Street Sweeping Program (SSP) including number of routes.
2. Current level of Street Sweeper Operator staffing.
3. Percentage of Street Sweeping Routes Canceled Monthly in 2020.
4. Annual maintenance costs of a Street Sweeper Unit.
5. Projected lifespan of a Street Sweeper Unit.

In addition to providing responses to City Council's inquiries, this report will discuss the need for a full assessment of the street sweeping program, with the goal to create a sustainable program that provides equitable service for all Oakland residents.

## **BACKGROUND / LEGISLATIVE HISTORY**

During the City Council meeting on February 2, 2021, Councilmember Carroll Fife requested that an informational report on the SSP be presented to the Public Works Committee at a future date. A number of questions were raised about the SSP and its effectiveness in delivering

Public Works Committee  
June 22, 2021

service. This report is designed to address the questions and comments raised by the City Council.

## **ANALYSIS AND POLICY ALTERNATIVES**

The SSP is dedicated to maintaining, improving, and preserving Oakland's infrastructure and environment for residents, businesses, and visitors by routinely providing cleanly swept streets. It is also considered a trash and contaminant reduction activity to protect our waterways. Although not required under our National Pollution Elimination Discharge Permit, street sweeping is an important activity.

The SSP regularly sweeps public streets in Oakland to keep them clean, reduce the amount of waste that flows into the storm drain system and ultimately into the San Francisco Bay. The program's goal is to provide clean streets, which assist with creating safe and healthy environments. To that end, it is important that vehicle owners observe the posted parking restrictions and comply by moving their vehicles at the appropriate times to ensure that full street sweeping service is provided. The Department of Transportation (DOT) is responsible for enforcing the posted parking restrictions.

### **Program Routes, Operations & Map**

The SSP sweeps an average of six-hundred and eight (608) routes each month. There are fifty-one (51) street sweeping maps that include ninety-six (96) controlled street sweeping routes, which are serviced by night and dayshift operations. The SSP dayshift sweeping operations sweeps the majority of residential areas five days a week from 9:00 am to 12:00 noon and from 12:30 pm to 3:30 pm. Mixed use areas such as commercial/industrial or commercial/residential are swept six days a week from 12:00 am to 3:00 am and from 3:00 am to 6:00 am, during nightshift operations.

A comprehensive review of the Street Sweeping Map on the City of Oakland website has been conducted by staff to update any outdated or inaccurate information.

<https://oakgis.maps.arcgis.com/apps/webappviewer/index.html?id=075bf89b418c4fbd9a4c5a8e93200711&extent=-13613162.1027%2C4549904.0871%2C-13607047.1404%2C4552968.7342%2C102100>

### **Staffing**

The SSP, when fully staffed, has twenty (20) Street Sweeper Operators (SSO). Seven (7) SSO are assigned to the nightshift, and thirteen (13) SSO are assigned to the dayshift. Currently there are two (2) vacancies on the nightshift and four (4) vacancies on the dayshift. OPW is currently in the process of filling the vacant Street Sweeper Operator positions.

### **Percentage of Street Sweeping Routes Missed Monthly in 2020.**

The percentage of street sweeping routes canceled each month is based on the combined number of routes swept by nightshift and dayshift operations. The nightshift sweeps an average

of two-hundred and fifty-four (254) routes each month and the dayshift sweeps an average of three-hundred and eight-four (384) routes each month. Below is a month-by-month breakdown of the percentage of missed routes.

- January 2020 – 5%
- February 2020 – 7%
- March 2020 – 18%
- April 2020 – 27%
- May 2020 – 6%
- June 2020 – 6%
- July 2020 – 10%
- August 2020 – 10%
- September 2020 – 13%
- October 2020 – 4%
- November 2020 – 0%
- December 2020 – 5%

When the SSP determines that a route will be missed due to staffing, equipment, or weather-related issues, OPW Street Sweeping will contact DOT Parking Enforcement immediately to inform them of the street sweeping map being interrupted. This ensure that citations are not issued in an area that street sweeping service will not be provided.

### **Annual Maintenance Costs**

The City of Oakland operates a variety of sweepers. The monthly maintenance cost is based on the type of sweeper and the type of usage. The annual maintenance cost for the fleet of sweepers is \$4,360,209.00.

- (5) Large Sweeper, Maintenance Class 7771 = \$22,677.19 monthly, for a total of \$113,385.95 per month
- (8) Large Sweeper, Maintenance Class 7771n = \$22,424.29 monthly, for a total of \$179,394.32 per month
- (4) Medium Size Sweeper, Maintenance Class 7772n = \$17,538.12 monthly, for a total of \$70,152.48 per month
- (1) Small sidewalk Sweeper, Maintenance Class 9413 = \$418.00 month, for a total of \$5016.00 per year

### **Projected Lifespan of a Street Sweeper Unit.**

Because of the continual use of the sweepers and the large amount of debris swept, the average life span is five to seven years. The large sweepers costs approximately \$400,000; medium sweepers, \$350,000; and the small sweepers, \$80,000 - \$150,000. The small sweepers are a new edition to the fleet and historical data does not exist, but they are proving to be a good addition. The Equipment Services Division in Public Works has done an outstanding job in ordering sweepers that are more efficient and effective with each new generation.

To date, there has not been a deep dive or analysis into the Street Sweeping Program. However, this would be a welcomed opportunity to ensure the program is operating in the most efficient, effective, and more importantly, equitable manner to ensure all residents are receiving adequate services. A consultant would be necessary to provide this type of analysis.

### **FISCAL IMPACT**

There is no direct fiscal impact related to receiving this report.

### **PUBLIC OUTREACH / INTEREST**

No outreach was deemed necessary for this report beyond the standard City Council agenda noticing procedures.

### **COORDINATION**

This report has been prepared in coordination with the Keep Oakland Clean and Beautiful Division and the Equipment Services Division within the Public Works Department.

### **SUSTAINABLE OPPORTUNITIES**

***Economic:*** Dirty, unkempt streets from insufficient or inconsistent street sweeping may adversely impact Oakland's economy if Oaklanders and visitors limit their patronage to local businesses because the surrounding area feels unpleasant or unsafe for passage. Clean, safe streets are vital to Oakland businesses.

***Environmental:*** Street sweeping is a trash and contaminant reduction activity that protects Oakland's waterways. The program provides clean streets, which aid in creating safe and healthy environments and reduces the amount of waste that flows into the storm drain system and ultimately into the San Francisco Bay. Direct environmental impacts will need to be identified with any change to the current street sweeping program.

***Race & Equity:*** In response to the current Pandemic, the Administration is avoiding reductions in street sweeping service that would be felt disproportionately by low income, communities of color. For example, reducing the Thursday and Friday street sweeping in the West Oakland Area would impact the low-income, Black, Indigenous, People of Color (BIPOC) neighborhoods where illegal dumping and litter, are disproportionately causing blight.

**ACTION REQUESTED OF THE CITY COUNCIL**

Staff Recommends That The City Council Receive An Informational Report From The City Administrator Providing An Analysis Of The GIS System's Street Sweeping Routes And Protocols; Staffing Levels, Average Number Of Routes Missed Daily And Location By District; Provide An Updated Map Of The Street Sweeping Days And Routes To Be Placed On The City's Website; Include The Annual Maintenance Costs And Lifespan Of The Street Sweeping Equipment; Provide a Report On The Areas Where Residents Are Being Ticketed For Street Sweeping.

For questions regarding this report, please contact Frank Foster, Operations Manager, KOCB

Respectfully submitted,



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Keep Oakland Clean & Beautiful