

# Street Sweeping Program Update

Utility Advisory Committee

March 7, 2024





# Presentation Agenda



Indian Creek

- Enhanced Street Sweeping Program
- Program Background
- Sweeping Program Strategy Updates
- Community Outreach
- Proposed Stormwater Permit Requirements
- Next Steps

*Please ask questions anytime throughout this presentation.*

# Enhanced Street Sweeping Program

- **Definition:**

- Street sweeping that removes sediment and associated contaminants from street surfaces before they enter the stormwater collection system and local waterways.

- **Goal:**

- Improve water quality in stormwater runoff originating from city streets by reducing pollutants before flowing into the MS4 and receiving water bodies.

- **Objectives:**

- Increase the amount of street waste collected
- Increase the number of miles swept
- Reduce pollutants released to surface waters



# Program Background



**East Bay Outfall**

- 2021 – Ecology awarded the Storm and Surface Water Utility a \$1,461,410 Water Quality Financial Assistance Grant
  - Implement an enhanced street sweeping program
  - Purchase a second street sweeper.
- The grant requires a 25% matching funds loan.

Funding Source	Grant Amount	Percent of Grant	Interest Rate	Terms
Ecology Grant	\$1,096,058	75%	0.0%	Grant ends 6/30/2025
CWSRF Loan	\$365,352	25%	0.6%	5 yr repayment starts after grant closeout

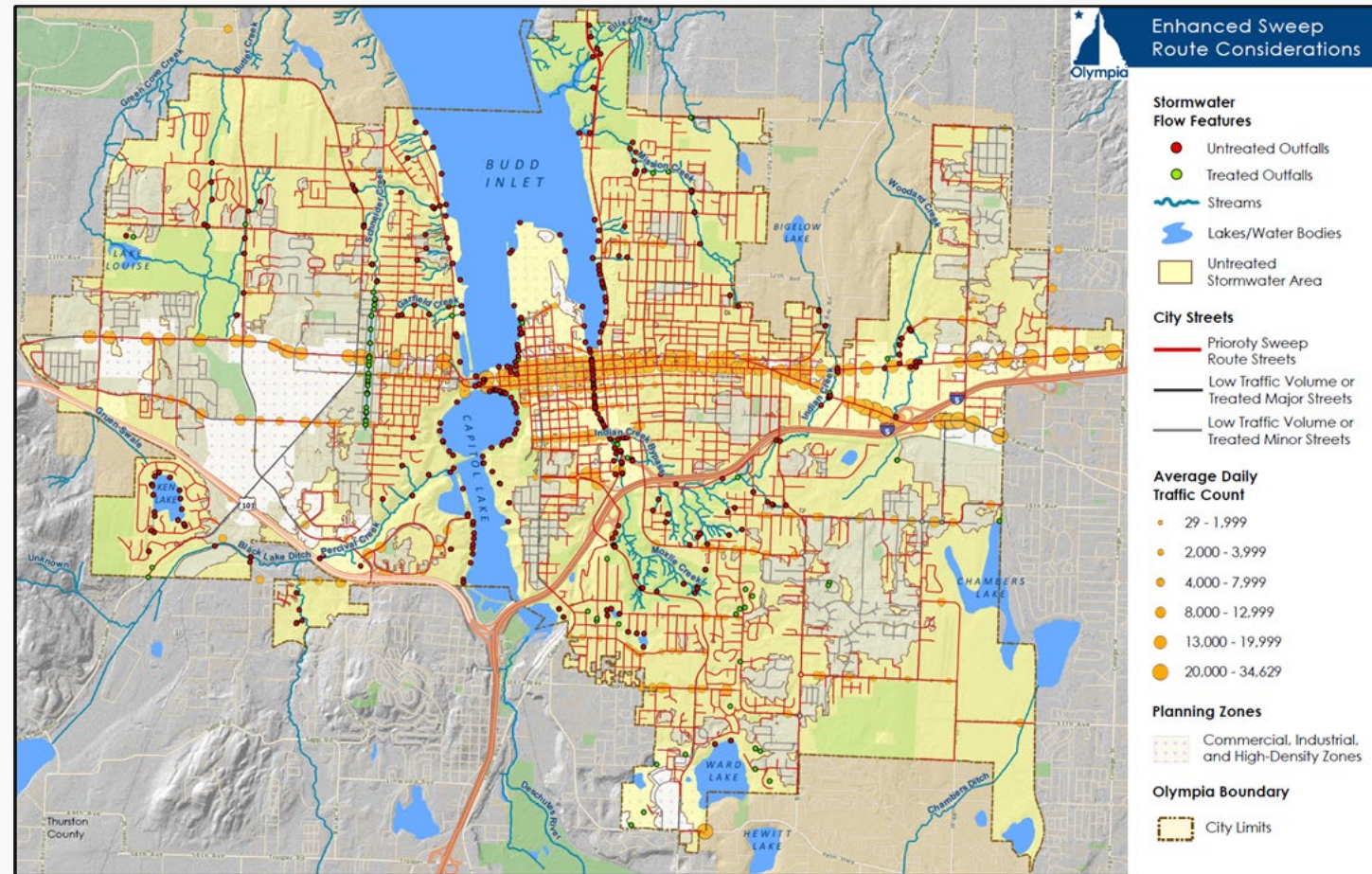


# Sweeping Program Strategy Updates

- Strategies:

- Identify areas with pollutant concentrations where street sweeping efforts are well suited to improve stormwater runoff water quality.

- **Untreated areas are mapped – storm systems that have at least one untreated stormwater runoff source before entering a surface waterbody.**



# Sweeping Program Strategy Updates

- Strategies:
  - Add an additional regenerative air sweeper and sweeper operator
    - **Second sweeper started service December 2023**
  - Create new routes for efficiency that allow two sweepers to work in tandem.
    - **New routes are in progress with continuous adaptive management**
  - Develop a community outreach program.
    - **Currently implementing outreach opportunities**



# Community Outreach



## Street Sweeping Protects Waterways

**Street Sweeper Decal Contest**

Attention all Olympia middle school students! Help us highlight an important water pollution prevention tool.

Olympia's new street sweeper needs a graphic to convey how it keeps pollution out of our local waterways.

Enter your design for a chance to have it displayed on the back of the new sweeper for all to see!

Visit [olympiawa.gov/sweeper](http://olympiawa.gov/sweeper) for details.

**Enhanced street sweeping is a water pollution prevention best management practice (BMP). It helps remove sediment pollution before it gets into our storm drains and waterways!**

Olympia's new grant-funded, second sweeper began operating in December 2023! Studies show the benefits of enhanced street sweeping include:

- Reduces ~~in~~ pollutant loading to local waterways.
- Protects fish, wildlife and aquatic habitat.
- Provides a treatment level similar to structural stormwater BMPs.
- Addresses pollutants now. Structural BMPs citywide can take many years.
- Lowers maintenance costs on structural BMPs by reducing sediment loading.

If you see a spill or debris needing sweeper attention, please call Public Works Dispatch at 360.753.8333 or email [publicworks@ci.olympia.wa.us](mailto:publicworks@ci.olympia.wa.us) with detailed information.



**Questions?**  
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- Street sweeping webpage update
  - Moved under Water Resources/Storm and Surface Water
  - Content update is in process
- 5 Things utility insert Mar/Apr 2024
  - Enhanced Street Sweeping
  - Middle School Decal Contest

# Community Outreach



## Middle school decal contest

- Open to all Olympia middle school students
- Six designs will be chosen for display on the new sweeper
  - Designs will also be used on the City's website, social media and other outreach materials
  - Sweeper will visit all winners' schools
- Contest is on the City's website
- School presentations start in April

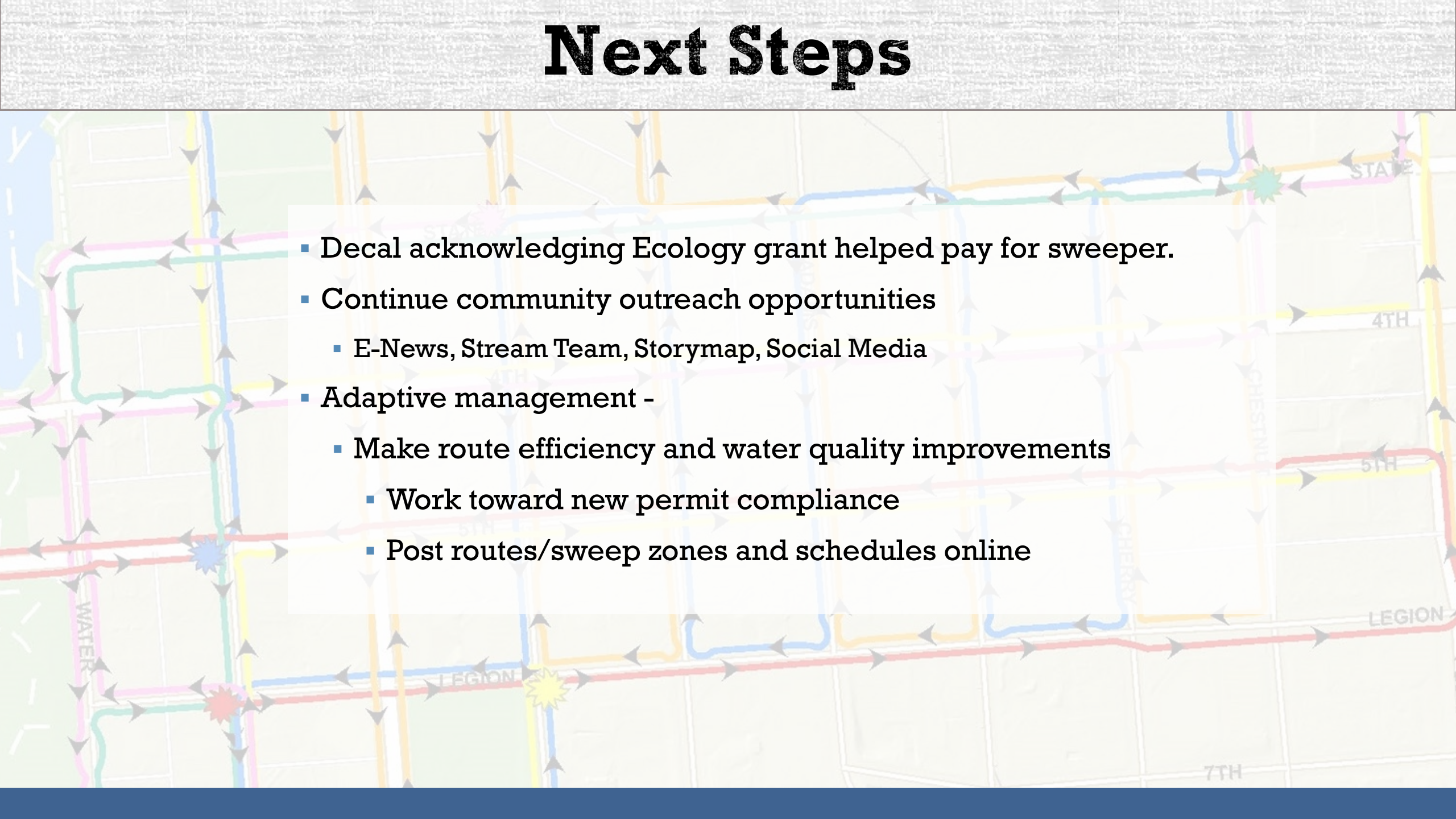


# Proposed Stormwater Permit Requirements

- Proposed street sweeping requirements in the 2024-2029 stormwater permit
  - Develop and implement a street sweeping program targeting high priority areas and yearly timing for maximum water quality benefits by 7/1/2027
    - High priority areas include:
      - Public roads in MS4 drainage areas that discharge to outfalls
      - High traffic roads
      - Curbed streets
      - Tire wear locations – roundabouts, high traffic intersections, municipal parking lots
      - High deciduous tree canopy locations
      - Streets that service commercial or industrial land use
      - Streets in MS4 basins that discharge to surface receiving waters that support salmonoids
  - Annually sweep at least 90% of high priority areas
  - Follow street waste disposal procedures in *Appendix 6 – Street Waste Disposal*



# Next Steps

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- Decal acknowledging Ecology grant helped pay for sweeper.
  - Continue community outreach opportunities
    - E-News, Stream Team, Storymap, Social Media
  - Adaptive management -
    - Make route efficiency and water quality improvements
      - Work toward new permit compliance
      - Post routes/sweep zones and schedules online



# Questions?

## Contact info:

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