



Grant Progress Report

Projects and Practices Drinking Water 2025

Grant Title: Enhanced Street Sweeping in SLP for Drinking Water Protection

Grant ID: C25-0191

Grantee: Spring Lake Park, City of

Fiscal Agent: Spring Lake Park, City of

Grant Day-to-Day Contact: George Linngren

Grant Award (\$): \$290,000.00

Required Match (%): 10

Required Match (\$): \$29,000.00

Grant Execution Date: 03/12/2025

Grant End Date: 12/31/2027

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$290,000.00	\$290,000.00	\$0.00
Match Funds	\$31,500.00	\$30,284.29	\$1,215.71
Other Funds	\$0.00	\$0.00	\$0.00
Total	\$321,500.00	\$320,284.29	\$1,215.71

*Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.

Project Abstract	<p>The City of Spring Lake Park is located wholly with the Priority A Surface Water Drinking Water Supply Management Areas for the Mississippi River intakes that supply drinking water to the Cities of Minneapolis and St. Paul, serving over 800,000 residents. These areas were delineated to represent the drainage areas within 8 hours travel time of the municipal intakes. Urban stormwater runoff from streets and other impervious surfaces within Spring Lake Park drains to the Mississippi Rv via three stormwater conveyances with outfalls located in the northern half of Fridley, immediately upstream of the intakes. Roughly half of the city is also within one of five wellhead protection areas for municipal drinking water wells serving Spring Lake Park, Blaine, and Fridley. Given that Spring Lake Park was fully developed by the 1970s, prior to stormwater management regulations, it contains very few structural stormwater best management practices and very little space for new construction. Pollution prevention and source reduction strategies such as street sweeping are therefore important to reduce pollutant loading to surface waters and protect drinking water sources in this area.</p>
-------------------------	---

The City of Spring Lake Park currently does not own a street sweeper and instead contracts citywide sweeping twice per year, once in the spring and fall. It is difficult to ensure optimal timing of contracted sweeping between snowmelt and spring wash off and after leaf drop given lead times for coordination and contractor capacity constraints. Spring Lake Park is requesting grant funding to purchase a street sweeper to build an in-house street sweeping program. City staff have the capacity and are committed to using this sweeper to implement the recommendations of the Coon Creek Watershed District enhanced sweeping study. This study divided the City into sweeping zones based on tree canopy cover, density of existing structural BMPs, and connectivity to impaired receiving waters. It was recommended that the City sweep all zones a minimum of 4 times per year (twice in spring and fall) and sweep high priority zones up to 10 times per year based on cost effectiveness of TP and TSS reduction. Purchase of a sweeper will allow the City to more than triple its current sweeping effort from 107 lane miles per year to 323 lane miles per year, targeting priority areas. TP and TSS loading to the Mississippi River will be reduced by at least an additional 43 lbs and 1.3 tons per year, respectively.

Proposed Measurable Outcomes

Increase in street sweeping effort from 107 lane miles per year to 323 lane miles per year.

Reduction of at least 43 additional lbs of TP and 1.3 additional tons of TSS per year to the Mississippi River.

Unquantified reductions of other pollutants associated with street runoff including chlorides, heavy metals, organopollutants, pathogens, and other contaminants of emerging concern.

Budget Details

<i>Activity Name</i>	<i>Category</i>	<i>Source Type</i>	<i>Source Description</i>	<i>Budgeted</i>	<i>Spent</i>	<i>Balance Remaining</i>	<i>Match Fund?</i>
Administration & Coordination	Administration/Coordination	Local Fund	in kind LGU staff time	\$500.00	\$1,014.79	(\$514.79)	Y
Public Engagement	Education/Information	Local Fund	in kind LGU staff time	\$1,000.00	\$1,017.50	(\$17.50)	Y
Purchase of Street Sweeper	Non-Structural Management Practices	Local Fund	CCWD Levy	\$30,000.00	\$28,252.00	\$1,748.00	Y
Purchase of Street	Non-Structural Management	Current State Grant	Enhanced Street Sweeping in SLP for	\$290,000.00	\$290,000.00	\$0.00	N

<i>Activity Name</i>	<i>Category</i>	<i>Source Type</i>	<i>Source Description</i>	<i>Budgeted</i>	<i>Spent</i>	<i>Balance Remaining</i>	<i>Match Fund?</i>
Sweeper	Practices		Drinking Water Protection				

Indicator Summary

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Pollution Prevention	Prevention	216	Count
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	43	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	1.3	Tons/Yr

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	140	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	1.3	Tons/Yr

Grant Activities

Activity Name: Administration & Coordination

Activity Category: Administration/Coordination

Staff time?: No

Description: This activity includes project coordination, financial tracking, and all required grant reporting.

This activity will be carried out by LGU staff (in-kind). Specifically, George Linngren, Spring Lake Park Public Works Director, will be responsible for equipment purchase and use. Justine Dauphinais, CCWD Water Quality Coord, will be responsible for financial tracking and grant reporting.

Prior to expending any grant funds on equipment purchase, CCWD and Spring Lake Park will enter into a cost share agreement regarding transfer of funds from CCWD to SLP to support \$30,000 towards purchase of this street sweeper to be used to implement enhanced sweeping in a manner that achieves the stated annual pollutant reductions for the lifetime of the equipment (43 lbs TP and 1.3 tons TSS per year for 10 years). This agreement will be submitted to our BWSR Board Conservationist for prior approval.

Key Milestones:

- Cost share agreement executed by 5/31/2025
- Grant progress report submitted in eLink by Feb 2/1/26
- Street Sweeper equipment purchase made by 4/30/26*
- Final report submitted in eLink by 12/31/26

*Note, it is SLP's intent to purchase this equipment in spring of 2025 and close out this grant in December 2025, but we have included an extra year in the timeline in case of equipment procurement issues to ensure that a full season of sweeping can be implemented prior to closing out this grant.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Local Fund	in kind LGU staff time	\$500.00	\$1,014.79	(\$514.79)	12/31/2025	Y

Actual Results

Results Date Added

A cost share agreement transferring match funds from Coon Creek WD to Spring Lake Park was reviewed and approved by Michelle Jordan, BWSR Board Conservationist, on 3/12/25 and fully executed on 3/31/25 (see attachments). 12/31/2025 12:00:00 AM

CCWD staff then coordinated with Spring Lake Park staff to document all expenditures and 2025 sweeping efforts and to fulfill all grant reporting requirements.

Activity Name: Public Engagement

Activity Category: Education/Information

Staff time?: No

Description: City staff will showcase the new sweeper at a community outreach event (Tower Days, Touch-a-Truck, or similar), highlighting the link between sweeping and clean stormwater and drinking water. City and District staff will also engage with residents by holding an interactive competition like name-the-sweeper or a decal design contest related to the theme of sweeping for clean drinking water.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Local Fund	in kind LGU staff time	\$1,000.00	\$1,017.50	(\$17.50)	12/31/2025	Y

Actual Results

Results Date Added

City of Spring Lake Park and Coon Creek Watershed District staff worked together to feature the new street sweeper at three outreach events in summer 2025: Tower Days Parade, Tower Days Business Expo, and Substance Church Touch-a-Truck. CCWD staff created a custom "design-a-sweeper" coloring page to inform future vinyl decal designs which was debuted to the public at the Tower Days Business Expo event. 8/18/2025 3:28:42 PM

A Clean Water Legacy Fund logo decal was purchased and affixed to the sweeper (see attached photo) along with a name, "Justine", in honor of Coon Creek Watershed District staffer who helped facilitate acquisition of state CWF grant funding. A naming contest will be held in subsequent years.

Activity Action Name:	Outreach Event	Activity Count: 3
Practice Type:	100M - Presentations	Size/Units: 3 - Count
TA Provider/JAA:	Other	Lifespan: Unknown
Practice Description:	Proposed: Public outreach event featuring sweeper with theme of sweeping for clean water.	Install Date: 08/04/2025
	Actual: Featured the new street sweeper and enhanced sweeping for clean water at three outreach events in summer 2025: Tower Days Parade, Tower Days Business Expo, and Substance Church Touch-a-Truck. Created a custom "design-a-sweeper" coloring page to inform future vinyl graphic which was debuted to the public at the Tower Days Business Expo event.	
		Mapped: Yes

Activity Name: Purchase of Street Sweeper

Activity Category: Non-Structural Management Practices **Staff time?:** No

Description: Purchase of a new street sweeper to implement enhanced street sweeping within the City of Spring Lake Park which is wholly within the Priority A source water protection areas for the cities of Minneapolis and St. Paul. Roughly 50 percent of city streets are also within groundwater Wellhead Protection Areas/DWSMAs for the Cities of Spring Lake Park, Blaine, and Fridley. Acquisition of a sweeper will allow the City to triple its current sweeping effort from approximately 107 lane miles per year (2 citywide sweeps) to approximately 323 lane miles per year focusing on targeted sweeping zones prioritized by tree canopy, density of structural BMPs, and connectivity to receiving waters in accordance with the recommendations of the CCWD enhanced sweeping study. This level of enhanced sweeping is estimated to reduce annual TP and TSS loading by 43 lbs and 1.3 tons per year, respectively. Enhanced sweeping will be implemented throughout the lifespan of the capital equipment, for at least 10 years.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	Enhanced Street Sweeping in SLP for Drinking Water Protection	\$290,000.00	\$290,000.00	\$0.00	03/31/2025	N
Local Fund	CCWD Levy	\$30,000.00	\$28,252.00	\$1,748.00	03/31/2025	Y

Actual Results

Results Date Added

A new street sweeper was purchased on 3/31/25 to implement enhanced street sweeping within the City of Spring Lake Park for source water protection. 12/31/2025 12:00:00 AM

This sweeper was put to work immediately upon snowmelt, sweeping regularly between 4/14/2025 through 11/21/2025 (see attached log). City staff swept approximately 734 total lane miles in 2025 which was 627 more lane miles compared to past years hiring a sweeping contractor to complete two citywide sweeps totaling approximately 107 lane miles.

The extra sweeping effort removed an estimated 390,136 lbs of sweepings (wet mass), reducing TP loading by approximately 140 lbs according to the MPCA Sweeping Calculator. TSS was reduced by at least 1.3 tons.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	1.3	Tons/Yr
Phosphorus (Est. Reduction)	140	Lbs/Yr

Activity Action Name: Enhanced Sweeping	Activity Count: 1
Practice Type: 516M: Enhanced Street Sweeping	Size/Units: 627 - Count
TA Provider/JAA:	Lifespan: 10 Years
Practice Description: SLP to triple its current sweeping effort from approximately 107 lane miles (2 Citywide sweeps) per year to 323 lane miles per year focusing on targeted sweeping zones prioritized by tree canopy, density of structural BMPs, and connectivity to receiving waters.	Install Date: 11/21/2025
Count = 216 additional lane miles	
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	1.3	Other	Mississippi River
Phosphorus (Est. Reduction)	Lbs/Yr	140	Other	Mississippi River