

**PROJECT REQUEST FORM**  
**Lower St. Croix Partnership – Watershed Based Implementation Funding**

**To:** Steering Committee **Date:** April 12, 2023  
**From:** Comfort Lake-Forest Lake Watershed District  
**Subject:** WBIF Project Request: Wyoming Street Sweeping Implementation

**Table of Acronyms**

CWMP: Comprehensive Watershed Management Plan	LSC: Lower St. Croix
SWCD: Soil & Water Conservation District	WD: Watershed District
WBIF: Watershed Based Implementation Funding	WMO: Watershed Management Organization

**Eligible Project Sponsors**

A sponsoring agency is required for each submitted project. The sponsor fills out this request. That agency must be a party to the Joint Powers Agreement for the implementation of the Lower St. Croix Comprehensive Watershed Management Plan. The sponsor, if the project is selected for funding, will enter into a subcontract with the Chisago Soil and Water Conservation District (SWCD) for project funding.

**Description of Project (brief paragraph)**

Comfort Lake-Forest Lake Watershed District staff completed the tree canopy assessment and enhanced street sweeping plan for the entirety of the City of Wyoming. The City of Wyoming proposes to sweep 12.5 curb miles four times per year (twice in spring, twice in fall), for a total of 50 curb miles swept per year. The proposed streets to be swept are included in the “Plan A” group as identified in the Wyoming Enhanced Street Sweeping Plan and attached maps. The City of Wyoming will track the movement of the sweeper with a GPS unit mounted on the sweeper. The City will track the weights and dates of material swept.

Chisago SWCD, as the LSC WP WBIF grant fiscal agent, will execute the cost share contract with the City of Wyoming. CLFLWD will serve as the technical representative.

**Benefitted Waterbody Information (add rows for additional waterbodies if necessary)**

Target waterbody	Sunrise River, Comfort Lake, Ashton Lake, Heims Lake
Waterbody area (acres)	Various
Watershed area (acres)	Various
DNR shoreline classification	Various
Description of the watershed and near-shore land uses	Various
Impairment status	Sunrise River impaired for dissolved oxygen, Escherichia coli (E. coli), fish bioassessments  Comfort Lake impaired for nutrients
Protection or restoration	Both

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### Project Details

Project Name	Wyoming Street Sweeping Implementation
Project Sponsor	CLFLWD
Additional Project Partner(s) (other than sponsor)	City of Wyoming
Project Location (lat/long, address, or description)	City of Wyoming
DNR Level 8 Subwatershed	DNR catchment IDs 3705200, 3704300, 3704400
Applicable WBIF Work Plan Activity	Activity 3 – Nonstructural (Urban) Implementation
Funding Specifically Allocated to this Project in Work Plan (if applicable)	Provide cost-share/incentives for implementing non-structural <i>urban</i> best management practices (e.g., enhanced street sweeping). Specific enhanced street sweeping targeting analyses will be performed for priority areas (see Activity 9 – Targeting Analyses).
Estimated Timeline	April 2023-December 2025 (three year contract)
Total Project Cost	\$15,000
Estimated Lifetime Project Cost (incl. O&M)	N/A
Requested Grant Funding	\$15,000 (paid in annual installments of \$5,000 over three years)
Match provided, match source (cannot be state funds)	\$0 (no match required; no match budgeted in WBIF work plan)
Target Waterbody (from CWMP Table 5-2, 5-3, 5-4)	Sunrise River (among others not listed in tables)
Est. Phosphorus Load Recovery by Sweeper	Proposed Sweeping Plan (Plan A, Option 2): 26.9 lb/yr
Est. Solids Load Recovery by Sweeper	Proposed Sweeping Plan (Plan A, Option 2): 74,903 lb/yr
Est. Phosphorus Load Reduction @ Target Waterbody	Phosphorus: $\leq 13.4$ lb/yr Solids: $\leq 37,451$ lb/yr <i>Load recovery estimates are based on material removed from the street surface and do not reflect total load reductions to the downstream lakes. The actual load reduction to downstream water resources achieved through street sweeping is less than the total load recovery (generally 50% or less) and depends on the number and type of BMPs along the treatment train.</i>
Est. Solids Load Reduction @ Target Waterbody	
Calculation Tool Used	MPCA Street Sweeping Tool
Project Lifespan	Three-year contract
Annual Cost-Benefit (\$/lb phosphorus removed)	\$53.65/lb

### Pre-Project Identification

Total phosphorus load entering target waterbody	Various
Total suspended solids load entering target waterbody	Various

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Major sources of nutrient loading	Urban development from cities of Forest Lake and Wyoming; ditched wetlands
P reduction required to achieve water quality goal	Sunrise River and Tributaries - Lake St. Croix TMDL P reduction goal: 18,306 lb/yr
Completed projects, load reduction	Other CLFLWD projects in the Sunrise River drainage (P reduction @ Sunrise River): Sunrise River/Hwy 61 Wetland Enhancement – Chisago Co. Petitioned Project (89 lb/yr phosphorus reduction); Bixby Park Water Quality Improvement Project – Chisago Co. Petitioned Project (206 lb/yr phosphorus reduction); Target Big Box Retrofits (11 lb/yr phosphorus reduction); Stormwater Management Permits (cumulative: 43 lb/yr)
Alternative projects, load reduction	Street sweeping is highly cost-effective and is a high priority water quality practice

**List of Informational Attachments/Templates Included With Form:**

1. WBIF Project Request Process Flow Chart
2. CWMP Priority Waterbody Maps
3. CWMP Appendix C – Project Targeting Criteria and Scoring Matrix (for [Activities 1 & 2](#))
4. Wetland Restoration Scoring Matrix (for [Activity 4](#))
5. Internal Analysis Request for Funding (for [Activity 8](#); filled out by applicant)
6. Internal Analysis Selection Criteria (for [Activity 8](#); filled out by subcommittee)
7. Targeting Analysis Scoring Matrix (for [Activity 9](#))

**Required Attachments for Requesting Partner to Complete (check all that apply):**

- Project Plans/Visual/Map (for all requests)
- Completed Appendix C Project Scoring Matrix (for [Activities 1 & 2](#))
- Completed Wetland Restoration Scoring Matrix (for [Activity 4](#))
- Completed Internal Analysis Request for Funding (for [Activity 8](#))
- Completed Internal Analysis Selection Criteria (for [Activity 8](#))
- Completed Targeting Analysis Scoring Matrix (for [Activity 9](#))

WBIF Work Plan Activity Color Coding
<a href="#">Implementation - BMPs/Restoration Activities</a>
<a href="#">Implementation - Shared Services</a>
<a href="#">Prioritization &amp; Analysis</a>
<a href="#">Administration</a>

*Submit this form and attachments to Angie Hong at ([ahong@mnwcd.org](mailto:ahong@mnwcd.org)) one week prior to the Steering Committee meeting.*

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### Steering Committee Roll Call Vote

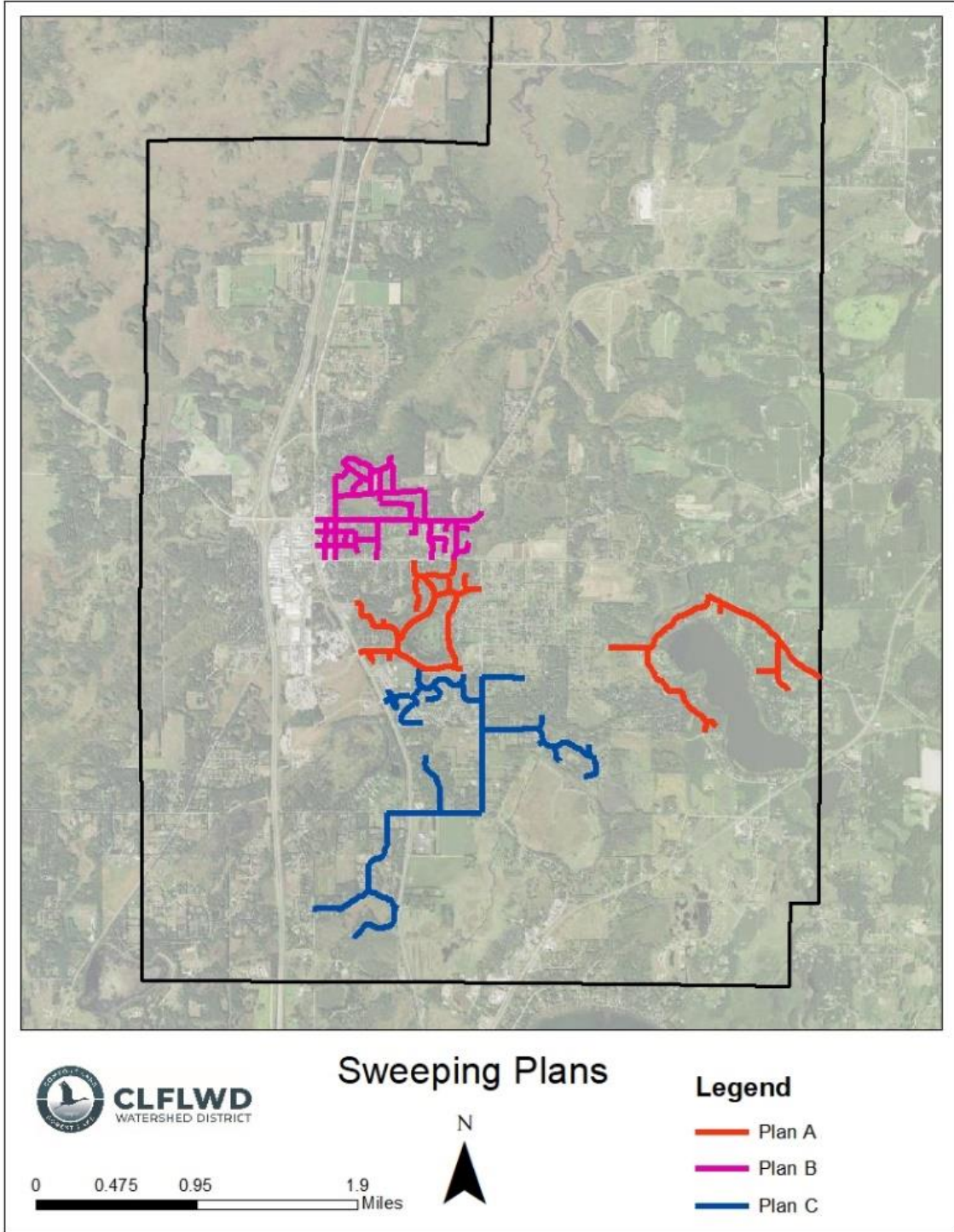
Steering Committee roll call vote to recommend Comfort Lake-Forest Lake WD project for Lower St. Croix Watershed Based Implementation Funding in the amount of \$15,000 for the Wyoming Enhanced Street Sweeping Implementation.

<b>Organization</b>	<b>Aye</b>	<b>Nay</b>	<b>Absent</b>
Anoka SWCD			
Brown's Creek WD			
Carnelian Marine St Croix WD			
Chisago County			
Chisago Lakes LID			
Chisago SWCD			
Comfort Lake Forest Lake WD			
Isanti County			
Isanti SWCD			
Middle St. Croix WMO			
Pine County			
Pine SWCD			
South Washington WD			
Valley Branch WD			
Washington CD			
Washington County			
<b>TOTAL (need majority vote to pass)</b>			

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**Attachment: Proposed Street Sweeping Maps**

This proposal requests incentive funding to sweep the “Plan A” area 4x per year (twice in spring, twice in fall). Plan A encompasses 12.5 curb miles of roadway; swept 4x equals 50 curb miles per year.





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