

Lower St. Croix 1W1P
Watershed Based Implementation Funding
eLINK Work Plan

Grant ID: C21-4732 | Grant Expiration: December 31, 2023

Revised 1/21/22

Grant Activities

BWSR requires a narrative for each Grant Activity and a summary of persons conducting the work and their qualifications. Qualifications for each staff member listed are provided in the section, Staff Qualifications & Billing, immediately following the grant activity descriptions. The grant activities as identified in the grant work plan are detailed in the table below. Two tables follow the grant activity descriptions: a budget and a table of measurable outcomes and milestones.

Activity #	Grant Activity	eLINK Activity Category
1	Basin Ag Outreach Program	Project Development
2	Structural Ag BMP Implementation	Agricultural Practices
3	Shared Services Educator	Education/Information
4	Non-Structural Ag/Urban Implementation	Non-Structural Management Practices
5	Structural Urban BMP Implementation	Urban Stormwater Practices
6	Wetland Restoration Implementation	Wetland Restoration/Creation
7	Internal Analyses	Planning and Assessment
8	Targeting Analyses	Planning and Assessment
9	Technical/Engineering	Technical/Engineering Assistance
10	Administration/Coordination	Administration/Coordination

Note on subcommittees: The Lower St. Croix (LSC) Policy Committee will adopt an implementation framework describing the process through which each of the following grant activities will be implemented. A key part of this process is establishing subcommittees composed of LSC partners to help implement each activity. Proposed subcommittee members are listed in the proposed implementation framework. Subcommittee members will be revised by the Steering Committee as needed in order to keep implementation on track. Project selection will follow the targeting and prioritization process described in Section VII.B and Appendix C: Project Targeting Criteria and Scoring Matrix of the CWMP. The subcommittees will contact state agency staff and other experts to seek advice on technical matters as needed. Throughout the grant period, the subcommittees will make project implementation contract approval recommendations to the Steering Committee, which will then make recommendations to the fiscal agent (Chisago SWCD Board). The fiscal agent will either approve or deny recommended contracts based on whether the established criteria are met.

Activity 1: Basin Ag Outreach Program

eLINK Activity Category: Project Development

Grant: \$200,000

Match: \$0

Match Source(s): N/A

Lead Agency: Washington Conservation District, Jay Riggs

Co-lead Agency: Chisago SWCD, Craig Mell (Subcontract with WCD to act as host entity)

Estimated billing rate; hours: \$72/hour; 2,778 hours

Priority areas: Agronomy outreach specialist will focus on priority areas described in Structural Ag BMP Implementation and Non-Structural Ag/Urban Implementation

CWMP Reference: Page 61

Activity Description: Agronomy outreach specialist. (A) Shared Services: Hire or contract with an agricultural conservationist/agronomist (one individual) for basin wide assistance with agronomy, outreach, and technical assistance to agricultural producers including conservation planning and nutrient management plans. [Approximately 80% of this position's time will be directly working with agricultural producers in the LSC Watershed to identify economical farming practices with water quality benefits to make them a routine part of farm operations. A target is to interact with operators of both large and small operations with a cumulative total of at least 3,000 acres.] See Attachment A – Agronomy Outreach Specialist Details & Milestones for more information.

This would allow for 1 full time agronomy outreach specialist to work basin-wide. Staff will work basin-wide and may have more than one office space. LSC partners will ensure duties assigned to this new staff member will be in alignment with WBIF funding intent and requirements.

Costs billed to this item for the embedded Extension Agent will include the following: Staff salary, supervisory time (by University of MN), benefits, travel expenses, training expenses, and office supplies. As with all grant activities, LSC partners will ensure program expenses are eligible before billing to the grant/match. All costs will primarily benefit water quality in a priority resource as identified in the LSC CWMP. In addition to direct landowner outreach and technical assistance, as described above, staff time will also include program and work plan coordination: annual partner coordination meetings, updates to partners, interfacing with the shared services educator (see Activity 3 Basin Water Outreach Program), coordinated planning efforts, regular basin-scale coordination meetings with LSC partners and other agencies as appropriate.

Subcommittee: A subcommittee composed of LSC partners will help implement this activity. The activity lead will track their time as grant-funded time under Activity 10 Administration/Coordination (Activities 1 and 3 are the only work plan activities in which the subcommittee lead's time is grant-funded).

The subcommittee will perform the following tasks:

- Establish the list of activities to be completed by this position
- Conduct a cost-benefit analysis of contracting vs hiring
- Conduct interviews (if hiring)

Activity 2: Structural Ag BMP Implementation

eLINK Activity Category: Agricultural Practices

Grant: \$160,000

Match: \$55,000

Match Source(s): Federal NRCS programs (\$27,500), local funds (\$27,500)

Lead Agency: Chisago SWCD, Craig Mell (also the lead for non-structural ag BMP implementation under Activity 4; subcontracts with local partners for specific projects).

Co-lead Agency: Washington Conservation District, Jay Riggs

Priority areas:

- Tier 1: Rock Lake, Rock Creek, Sunrise River, St. Croix River tributaries with direct discharge to the St. Croix River.
- Tier 2: lakes that drain to St. Croix tributaries:
 - Rush and Goose Lakes in Chisago County
 - Forest Lake in CLFLWD (drains to Sunrise River)
- Priority tiers were developed by LSC Planning Team members and submitted to the Policy Committee in the work plan. The Policy Committee approved the work plan containing this tier structure on January 25, 2021.
- Projects may also occur at other priority waters as identified in Table 5-2 and Table 5-3 of the LSC CWMP. The project ranking subcommittee will also consider CWMP Figure 5-1 Vulnerable Groundwater in Agricultural Areas when evaluating potential projects.

CWMP Reference: Page 61

Activity Description: Provide cost-share/incentives for installing or implementing structural agricultural best management practices (e.g., feedlot improvements, buffers, WASCOBs, diversions, lined waterways, grade stabilization structures, vegetative swales, livestock water management, etc.). The project ranking subcommittee will check BWSR eligibility requirements and consult the BWSR Board Conservationist to ensure projects are eligible. NRCS or other BWSR accepted standards will be followed for all practices installed. For feedlot improvement projects, the subcommittee will complete the BWSR supplemental feedlot worksheet to ensure compliance with BWSR policy for using CWF funds for feedlot improvements. Projects to be chosen through targeting and prioritization process described in Section VII.B and Appendix C of the CWMP.

The target phosphorus load reduction for this Activity is 300 lb/yr. The estimated number of BMPs implemented under this activity is 20, with an average phosphorus reduction of 15 lb/yr per BMP as measured at the target waterbody.

Subcommittee: A subcommittee composed of LSC partners will help implement this activity.

The subcommittee will perform the following tasks:

- Develop a process for how to fund projects
- Establish cost-share/incentive rates and policies which will entail:
 - 1. Subcommittee will draft proposed cost-share rates and policies.
 - 2. Subcommittee will send proposed rates and policies to BWSR for review.
 - 3. Subcommittee will not proceed with any projects until the Steering Committee approve rates and policies. The Steering Committee will base its approval on whether

the rates and policies meet the guidelines set in the implementation framework, work plan and CWMP.

- Establish cost-share ranking criteria that includes non-state match requirements
- Meet intermittently to rank projects and make recommendations to the Steering Committee which will then make recommendations to Chisago SWCD Board for approval
- Project selection will follow the targeting and prioritization process described in Section VII.B and Appendix C of the CWMP.
- This subcommittee will also select non-structural agriculture projects using the targeting and prioritization process described in Section VII.B and Appendix C of CWMP.
- NRCS or other BWSR accepted standards will be followed for all practices installed.

Activity 3: Shared Services Educator (Basin Water Outreach Program)

eLINK Activity Category: Education/Information

Grant: \$125,000

Match: \$4,800

Match Source: Parties to the LSC JPC

Lead Agency: Washington Conservation District, Jay Riggs

Co-lead Agency: Chisago SWCD, Craig Mell (Subcontract with WCD to act as host entity)

Estimated billing rate; hours: \$66/hour; 1,894 hours

Priority areas: Basin-wide

CWMP Reference: Page 65

Activity Description: Facilitate shared education and outreach program across basin to provide education; engage residents, businesses, and local officials; and promote and market programs and practices. Education and outreach tasks will serve the goals outlined in the LSC CWMP and may not always pertain to the implementation items described in this WBIF grant work plan, but will always have a primary benefit to water quality in priority resources.

- 90% = develop, distribute and implement outreach programs that result in behavioral changes achieving water quality benefits;
- 10% = solicit willing landowners to install BMPs that are goals within this plan. Promoted practices will be in line with BWSR eligibility requirements and will focus on water quality.

[0.5 FTE to expand EMWREP basin wide; \$50,000/yr or \$100,000/2 yrs]. Outreach will specifically include MIDS promotion to communities. Outreach will also include preliminary work with LGUs to set shoreline "view corridors" to 25% of lot width or maximum 35' width and maximum vegetation clearing standards or adopt innovative shoreland standards to protect buffers, native ecosystems, and habitat corridors. This work will provide water quality benefits through their protection of shoreline and streambank buffers. LSC partners will ensure duties assigned to this new staff member will be in alignment with WBIF funding intent and requirements. See Attachment B Education Details & Milestones for more information.

Costs billed to this item will only include staff pay and program expenses. As with all grant activities, LSC partners will ensure program expenses are eligible before billing to the grant/match. All costs will primarily benefit water quality in a priority resource as identified in the LSC CWMP. In addition to the outreach tasks described above, staff time will also include program and work plan coordination: annual partner coordination meetings, updates to partners, interfacing with the agronomy outreach specialist (see Activity 1 Basin Ag Outreach Program), coordinated planning efforts.

Subcommittee: A subcommittee composed of LSC partners will implement the hiring process for this position (e.g., development of the position description, cost-benefit analysis of hiring vs contracting, participation on the candidate interview panel, etc.). The activity lead will track their time as grant-funded time under Activity 10 Administration/Coordination (Activities 1 and 3 are the only work plan activities in which the subcommittee lead's time is grant-funded).

Activity 4: Non-Structural Ag/Urban BMP Implementation

eLINK Activity Category: Non-Structural Management Practices

Grant: \$200,000

Match: \$0

Match Source(s): Federal NRCS programs, local funds

Ag Lead Agency: Chisago SWCD, Craig Mell (also the lead for Activity 2 Structural Ag BMP Implementation)

Urban Lead Agency: Carnelian-Marine-St. Croix WD, Mike Isensee (also the lead for Activity 5 Structural Urban BMP Implementation)

Urban/Ag Co-lead Agency: Chisago SWCD, Craig Mell (subcontracts with local partners for specific projects)

Priority areas:

- **Ag:**
 - Tier 1: Rock Lake, Rock Creek, Sunrise River, St. Croix River tribs with direct discharge.
 - Tier 2: lakes that drain to St. Croix tribs.
 - Rush and Goose Lakes in Chisago County
 - Forest and Comfort Lakes in CLFLWD (drain to Sunrise River)
 - Projects may also occur at other priority waters as identified in Table 5-2 and Table 5-3 of the LSC CWMP. The project ranking subcommittee will also consider CWMP Figure 5-1 Vulnerable Groundwater in Agricultural Areas when evaluating potential projects.
- **Urban:**
 - Rush Creek (Rush City)
 - Goose Creek (Harris)
 - Sunrise River (North Branch, Stacy, Wyoming)
 - St. Croix River (Taylors Falls, Marine on the St. Croix, Stillwater, and MSCWMO cities including Afton, Bayport, Baytown Township, Lakeland, Lakeland Shores, Lake St. Croix Beach, Oak Park Heights, St. Mary's Point, Stillwater, and West Lakeland Township).

CWMP Reference: Pages 61 and 65

Activity Description: Provide cost-share/incentives for implementing non-structural *agricultural* best management practices (e.g., soil health BMPs, reduced tillage, cover crops, nutrient management planning, forage/biomass plantings). NRCS or other BWSR accepted standards will be followed for all practices installed. Projects to be chosen through targeting and prioritization process described in Section VII.B and Appendix C of CWMP.

Provide cost-share/incentives for implementing non-structural *urban* best management practices (e.g., enhanced street sweeping). BWSR accepted standards will be followed for all practices implemented. Projects to be chosen through targeting and prioritization process described in Section VII.B and Appendix C of CWMP. Specific enhanced street sweeping targeting analyses will be performed for priority areas. CLFLWD's [2018 Forest Lake Enhanced Street Sweeping Study](#) may be used as an example for these studies.

The target phosphorus load reduction for this Activity is 400 lb/yr. The estimated number of agricultural land converted is 1,300 acres. This estimate assumes a \$100,000 allocation toward agricultural practices (half the activity budget) and half the acreage converted to no till/strip till and half converted to cover crops. Assuming a \$100,000 allocation toward urban non-structural practices, the estimated number of enhanced street sweeping curb miles is 1,000. The 2018 Forest Lake Enhanced Street Sweeping Study estimated \$139/curb-mile for a contract sweeper and \$78/curb-mile for a city-owned sweeper (page 21). This work plan proposes a ballpark estimate of \$100/curb-mile/year, with an understanding that this is a very rough estimate and is subject to many factors (whether cities purchase their own sweeper vs hire a contract sweeper, final cost-share rates, and other factors specific to each city such as canopy cover). At \$100/curb-mile/year, with \$100K (half the activity budget), it is estimated 1,000 curb-miles can be swept. For reference, the City of Forest Lake had a total of about 240 curb miles in the Enhanced Street Sweeping Plan (page 5). These estimates will be refined as the LSC partnership performs targeting analyses under this grant (see Activity 8).

Grant funds under this Activity will not be used to pay for staff time. See Implementation Category Budget Breakdown at the end of the Detail Work Plan Text.

Subcommittee: A subcommittee composed of LSC partners will help implement this activity.

The subcommittee will perform the following tasks:

- Develop a process for how to fund projects
- Establish cost-share/incentive rates and policies which will entail:
 - 1. Subcommittee will draft proposed non-structural land management policy, including cost-share/incentive rates.
 - 2. Subcommittee will send proposed policy to BWSR for review.
 - 3. Steering Committee will review proposed policy and distribute to LSC partners for approval (for partners interested in utilizing grant funds for non-structural practices)
 - 4. LSC partners will not proceed with any projects until their board locally adopts the non-structural land management policy.
- Establish cost-share ranking criteria that includes non-state match requirements
- Meet intermittently to rank projects and make recommendations to Chisago SWCD Board for approval
- Project selection will follow the targeting and prioritization process described in Section VII.B and Appendix C of the CWMP.
- This subcommittee will also select non-structural agriculture projects using the targeting and prioritization process described in Section VII.B and Appendix C of CWMP.

- NRCS or other BWSR accepted standards will be followed for all practices installed.

Activity 5: Structural Urban BMP Implementation

eLINK Activity Category: Urban Stormwater Practices

Grant: \$200,000

Match: \$70,000

Match Source(s): Local funds (LSC Partners)

Lead Agency: Carnelian-Marine-St. Croix WD, Mike Isensee (also the lead for nonstructural urban BMP implementation under Activity 4)

Co-lead Agency: Chisago SWCD, Craig Mell (subcontracts with local partners for specific projects)

Priority areas: St. Croix River direct drainage, Sunrise River watershed, Fish Lake, Big Carnelian, Big Marine, Forest Lake. Projects may also occur at other priority waters in tables 5-2 and 5-3 in the LSC CWMP.

CWMP Reference: Page 65

Activity Description: Provide cost-share/incentives for implementing structural urban best management practices (e.g., vegetated swales, pervious pavement, gully stabilization, rain gardens, and other urban practices). BWSR accepted standards will be followed for all practices installed. Projects to be chosen through targeting and prioritization process described in Section VII.B and Appendix C of the CWMP.

The target phosphorus load reduction for this Activity is 200 lb/yr. The estimated number of BMPs implemented under this activity is 20, with an average phosphorus reduction of 10 lb/yr per BMP as measured at the target waterbody.

Subcommittee: A subcommittee composed of LSC partners will help implement this activity.

The subcommittee will perform the following tasks:

- Develop a process for how to fund projects
- Establish cost-share/incentive rates and policies which will entail:
 - 1. Subcommittee will draft proposed cost-share rates and policies.
 - 2. Subcommittee will send proposed rates and policies to BWSR for review.
 - 3. Subcommittee will not proceed with any projects until the Steering Committee approve rates and policies. The Steering Committee will base its approval on whether the rates and policies meet the guidelines set in the implementation framework, work plan and CWMP.
- Establish cost-share ranking criteria that includes non-state match requirements
- Meet intermittently to rank projects and make recommendations to Chisago SWCD Board for approval
- Project selection will follow the targeting and prioritization process described in Section VII.B and Appendix C of the CWMP.
- This subcommittee will also select non-structural agriculture projects using the targeting and prioritization process described in Section VII.B and Appendix C of CWMP.
- BWSR accepted standards will be followed for all practices installed.

Activity 6: Wetland Restoration Implementation

eLINK Activity Category: Wetland Restoration/Creation

Grant: \$39,531

Match: \$0

Match Source(s): N/A

Lead Agency: Anoka SWCD, Becky Wozney (Wetland Specialist)

Co-lead Agency: Chisago SWCD, Craig Mell (subcontracts with local partners for specific projects)

Priority areas: Priority wetland restorations will result in measurable improvements to rivers/streams in Table 5-2 and/or lakes in Table 5-3 of the LSC CWMP. Areas of particular concern include the St. Croix River direct drainage area, Sunrise River corridor, Rock Creek corridor and subwatersheds identified in Figure 5-5 of the LSC CWMP.

CWMP Reference: Page 70

Activity Description: This Activity will involve implementation of wetland restoration project(s) as needed to achieve a phosphorus reduction of at least 15 pounds per year for target waterbodies. The primary purpose of the wetland restoration project(s) will be for the improvement of water quality in receiving lakes/streams. Secondary benefits of wetland restoration projects will be considered as well, such as floodplain storage and habitat creation/enhancement.

Wetland restorations will not be used to mitigate wetland impacts. Grant funds will not be used for fee title land acquisition (but may be used as match in accordance with WBIF Policy). LSC Partners will ensure proposed wetland restorations are consistent with WBIF eligibility requirements. LSC Partners will target specific restorations through utilization of existing studies and targeting analyses (e.g., drained wetland inventories, diagnostic studies, subwatershed assessments), performance of additional modeling analyses using existing data from said studies, and completion of additional targeting analyses as necessary to fill data gaps. Work pertaining to targeting strategies is included as part of other grant Activities.

At this time, three LSC Partners have identified potential wetland restoration projects. As of early 2021 these projects are meant to serve as examples. All projects will be vetted through project ranking/subcommittee process prior to implementation (which will include estimated load reductions):

- Anoka County: Hesse Property in Oxford Township of Isanti Co lateral ditch plug. Anoka and Isanti SWCDs are working together on this project. It is currently at the concept phase. Cost estimate: \$55,000. Planned non-State match is \$0 so far, but USFWS is a possibility. Benefitted priority waterbody: Sunrise River.
- Chisago County: Checkerboard Park Restoration. Cost estimate: \$40,000 match to acquire the Lutz property. The benefitted waterbody would be the Sunrise River. A ditch flows through the Lutz property and Checkerboard Park into the North Branch of the Sunrise River and ultimately the Sunrise River. There are no established TMDL estimated load reductions for the North Branch of the Sunrise River. However, Table 5-2 in the CWMP lists the Lake St. Croix TMDL phosphorus reduction goal for the Sunrise River and tributaries.
- CLFLWD: The [WJD-6 Wetland Restoration Project](#) is located in the Washington Judicial Ditch 6 subwatershed draining to Forest Lake. This project may result in a phosphorus reduction of up

to 96 lb/yr to the east basin of Forest Lake; Forest Lake is listed in table 5-3 of the CWMP. [Cost estimate: \\$450,000](#)

The target phosphorus load reduction for this Activity is 15 lb/yr. Wetland restoration phosphorus reduction will be dependent on a number of factors beyond acres restored (e.g., proximity to target waterbody, level of degradation, hydrology). This work plan proposes to implement at least one wetland restoration to achieve the 15 lb/yr phosphorus reduction goal. Actual wetland acres restored will be reported annually.

Subcommittee: A subcommittee composed of LSC partners will help implement this activity.

The subcommittee will perform the following tasks:

- Meet intermittently to rank projects and make recommendations to Chisago SWCD Board for approval
- Project selection will follow the targeting and prioritization process described in Section VII.B and Appendix C of the CWMP.
- BWSR accepted standards will be followed for all practices installed.

[Activity 7: Internal Analyses](#)

eLINK Activity Category: Planning and Assessment

Grant: \$50,000

Match: \$0

Match Source: N/A

Lead Agency: Chisago County, Jerry Spetzman and Susanna Wilson-Witkowski

Co-lead Agency: Chisago SWCD, Craig Mell (subcontracts with local partners for each subwatershed project)

Staff Qualifications: Work is likely to be performed by an outside consultant which will be vetted for staff qualifications.

Activity Description: Calculate internal loading of phosphorus on 2 lakes estimated at \$25,000 each. Two lakes will be awarded through the project evaluation process identified in the plan. The group will develop a timeline for evaluating internal load evaluation for lakes. Internal load evaluation should only occur after external loading is substantially addressed. Work under this activity will likely be performed by a contracted consultant.

Priority projects identified include:

- Linwood Lake and Martin Lake Anoka. Both are priority A for internal loading analysis in LSC CWMP Table 5-4.
- Goose Lake Washington. Priority B for internal loading analysis in CWMP Table 5-4. Water monitoring indicates watershed loads are addressed. Internal load reduction is the last step to delisting from MPCA Impaired waters list.
- Priority "A" lakes with Rush (E & W) and Goose Lakes as our preferred top three.
- Priority A Basin listed in Table 5-4, Downs Lake will be considered.
- Wallmark, Pioneer and North Goose Lakes in Chisago all priority A

Subcommittee: A subcommittee composed of LSC partners will help implement this activity.

The subcommittee will perform the following tasks:

- Consider which priority waterbodies are in most need for targeting analysis. Priority lakes for internal analyses are listed in table 5-4 of the LSC CWMP.
- Further prioritize timing of internal analyses based on lakes' progress toward watershed load reductions.
- Establish criteria for contract approval

Activity 8: Targeting Analyses

eLINK Activity Category: Planning and Assessment

Grant: \$150,000

Match: \$0

Match Source: N/A

Lead Agency: Washington Conservation District, Jay Riggs

Co-lead Agency: Chisago SWCD, Craig Mell (subcontracts with local partners for each subwatershed project)

Estimated billing rate; hours: \$65/hour; 2,308 hours

Staff Qualifications: This task will be completed by existing qualified staff members of LSC Partner organizations.

Activity Description: This Activity includes two general types of analyses: 1) Subwatershed Assessment (or similar analysis, not necessarily SWA protocols) and 2) Targeted Street Sweeping Analysis.

All requested waterbodies are listed in tables 5.2 and 5.3 Regionally Significant Lakes, Rivers and Streams for Pollutant Reductions (ballpark cost estimate)

- Linwood Lake Anoka County (\$10,000) (priority waterbody: Linwood Lake)
- St. Croix Direct Washington County (\$15,000) (priority waterbody: St. Croix River)
- Desktop Analysis and Prioritized Catchments of the Sunrise River Watershed Chisago (\$10,000) (priority waterbody: Sunrise River)
- Rock Lake Pine and St. Croix Direct Pine County (\$20,000) (priority waterbodies: Rock Lake and St. Croix River)
- Targeting analysis protocol refinements (\$5,000) (applies to all of the waterbodies listed above)

Targeted Street Sweeping Analysis for the following cities with direct discharge to priority waterbodies listed in Table 5-2 and Table 5-3 of the LSC CWMP. Benefitted waterbodies are listed in parentheses. The initial estimate is this task will require approximately \$40,000 for the following communities:

- Rush City (Rush Creek)
- Harris (Goose Creek)
- North Branch (Sunrise River)
- Stacy (Sunrise River)
- Wyoming (Sunrise River)

- Stillwater (St. Croix River, Brown's Creek, Lake McKusick)
- Taylors Falls (St. Croix River)
- Marine on St. Croix (St. Croix River)
- Lakeland (St. Croix River)
- Lake St. Croix Beach (St. Croix River)
- Afton (St. Croix River)
- Bayport (Perro Creek)

Subcommittee: A subcommittee composed of LSC partners will help implement this activity.

The subcommittee will:

- Consider which priority waterbodies are in most need for targeting analysis. Top priority is St. Croix Direct Drainage Area, second priorities are waterbodies listed in either table 5-2 or 5-3 of LSC CWMP.

[Activity 9: Technical/Engineering](#)

eLINK Activity Category: Technical/Engineering Assistance

Grant: \$40,000

Match: \$0

Match Source: Local Partners (local funds spent on technical/engineering – note this is time that is NOT being paid for by some other state grant)

Lead Agencies:

- Chisago SWCD, Craig Mell (lead agency for Activity 2 Structural Ag BMP Implementation and non-structural ag implementation under Activity 4; subcontracts with local partners for specific projects)
- Carnelian-Marine-St. Croix WD, Mike Isensee (lead agency for Activity 5 Structural Urban BMP Implementation and non-structural urban implementation under Activity 4)

Estimated billing rate; hours:

- Professional Engineer: \$76/hour; 132 hours
- Technical Assistant: \$65/hour; 462 hours

Staff Qualifications: This task will be completed by existing qualified staff members of LSC Partner organizations.

Activity Description: This Activity will include technical site assessment, surveys, preliminary analysis and design, final design, construction supervision, installation, inspection, and completion of projects. Funds may be used to contract with a third-party consultant for technical/engineering assistance. Funding allocation will be prioritized in areas where there are not local funds to support design work.

Activity 10: Administration/Coordination

eLINK Activity Category: Administration/Coordination

Grant: \$100,000

Match: \$0

Match Source: Non-state funds

Lead Agencies: Chisago SWCD, WCD, CLFLWD (see role assignments below)

Activity Description: This Activity will include the following tasks (performed by the organizations/staff members listed):

- Grant and progress reporting – includes coordinating with Chisago SWCD and other partners to gather reporting information, compiling said information, and entering reports into eLINK; will also include assisting Chisago SWCD with any grant/work plan amendments as necessary. Progress reporting will include demonstration of progress toward measurable outcomes (i.e., nutrient load reductions seen at target waterbodies) – examples include pounds of phosphorus and tons of total suspended solids removed from existing loads. Partners may use local funding to perform effectiveness monitoring to demonstrate actual outcomes achieved by projects. Otherwise, modeled loads will be reported. Staff will also report on outputs achieved (i.e., the interim steps needed in order to achieve the ultimate outcomes) – examples include number of landowners contacted, number of projects completed, description of outreach activities performed. Progress reporting will include comparison of budget vs actual spend for each cost category, as described in the final section of this work plan and on page 16 of the LSC CWMP.

In order to demonstrate progress on implementation activities, partners must be able to identify whether a project/activity falls within the priority location for that implementation activity. Grant funds will also be used to create GIS layers for priority locations applicable to each implementation line item (see CWMP Table 5-1, “Priority Location” column).

- Lead organization: Comfort Lake-Forest Lake Watershed District
- Staff member: Emily Heinz, Planning Coordinator

- Coordination among Policy Committee, Steering Committee, Advisory Committee, and work plan activity planning team (lead coordination of meetings, agendas, meeting material distribution)
 - Lead organization: Washington Conservation District (East Metro Water Resources Education Program)
 - Staff member: Angie Hong, Water Education Senior Specialist

- Website upkeep: This activity includes the use of grant funds to update, migrate, and host the LSC interactive web map.
 - Lead organization: Washington Conservation District (East Metro Water Resources Education Program)
 - Staff member: Angie Hong, Water Education Senior Specialist
 - Support organization: Comfort Lake-Forest Lake Watershed District
 - Staff member: Jessica Lindemyer, Operations & Outreach Specialist

- Fiscal agent administration and contract coordination – includes coordinating with other partners to gather reporting information and reviewing draft report; will also include leading any grant/work plan amendments as necessary
 - Lead organization: Chisago SWCD
 - Staff member: Craig Mell, District Administrator

- Agronomy Outreach Specialist and Educator administration, hiring and payroll administration. WCD will lead the process of coordinating the hiring subcommittees which will consist of staff members from partner organizations (see Grant Activities section for more description of grant activity subcommittees). Hiring subcommittees ideally not to exceed 5 people.
 - Lead organization: Washington Conservation District
 - Staff member: Jay Riggs, District Manager

Staff Qualifications & Billing

Listed alphabetically:

Name	Position Title	Organization	Qualifications	Billing Rate, Estimated Hours, Estimated Cost*
Emily Heinz	Planning Coordinator	Comfort Lake-Forest Lake Watershed District	6 years of experience performing Clean Water Fund grant reporting for CLFLWD, led annual progress reporting for CLFLWD since 2016 including demonstrating progress toward goals and quantifying of measurable outcomes.	\$55.08/hr 194 hours \$10,660
Angie Hong	Water Education Senior Specialist	East Metro Water Resource Education Program	15 years of experience implementing the East Metro Water Resource Education Program, a partnership of 25 local government entities. M.S. in Natural Resource Science and Mgmt, with an emphasis on environmental education.	\$76.18/hr 484 hours \$36,859
Jessica Lindemyer	Operations & Outreach Specialist	Comfort Lake-Forest Lake Watershed District	5 years of experience performing public outreach and website content creation and maintenance for CLFLWD.	\$51.43/hr 24 hours \$1,244
Craig Mell	District Administrator	Chisago Soil and Water Conservation District	22 years of experience in water resources management	\$86/hr 483 hours \$41,611
Jay Riggs	District Manager	Washington Conservation District	District Manager, Washington Conservation District, 2005 To Present. Urban Conservationist, Dakota County Soil And Water Conservation District, 1997 To 2005. Environmental Scientist, Westwood Professional Services, Inc., 1994 To 1997. Environmental Planner, Southeast Michigan Council of Governments (SEMCOG), 1993 to 1994. M.S. Degree, Michigan State University, May 1993, Major: Natural Resource Management, Minor: Watershed Ecology.	\$99.47/hr 97 hours \$9,625

			<p>B.S. Degree, University of WI-Eau Claire, Dec. 1989, Double Majors: Biology and Psychology.</p> <p>Certifications: Certified Wetland Delineator #1298; Certified Professional in Storm Water Quality, CPSWQ #0062; Certified Professional in Erosion and Sedimentation Control, CPESC #2059; NREMT #E2443774.</p>	
<p>TOTAL Activity 10 Administration/Coordination Estimated Grant Costs</p> <p>Note: If staff do not require the full amount of hours listed, and spending under this activity is under budget, grant funds will be shifted to another work plan activity. Administrative spending will be evaluated after 6 months of implementation, and 2021 planning will be adjusted if needed.</p>				\$100,000
<p>Activity 10 Administration/Coordination Grant Budget</p>				\$100,000
<p>Additional billing rate estimates are provided under Activities 1, 3, 8 and 9. Specific staff members are not yet assigned for those items as of March 2021.</p>				

*Billing rates are determined following the BWSR Guidelines for Determining a Billing Rate in the Grants Administration Manual and include salary, benefits and overhead.

Budget

Activity #	Grant Activity	eLINK Activity Category	Grant Budget	Match Budget
1	Basin Ag Outreach Program	Project Development	\$200,000	\$0
2	Structural Ag BMP Implementation	Agricultural Practices	\$160,000	\$55,000 (Federal: \$27,500 Local: \$27,500)
3	Shared Services Educator	Education/Information	\$125,000	\$4,800
4	Non-Structural Ag/Urban Implementation	Non-Structural Management Practices	\$200,000	\$0
5	Structural Urban BMP Implementation	Urban Stormwater Practices	\$200,000	\$70,000
6	Wetland Restoration Implementation	Wetland Restoration/Creation	\$39,531	\$0
7	Internal Analyses	Planning and Assessment	\$50,000	\$0
8	Targeting Analyses	Planning and Assessment	\$150,000	\$0
9	Technical/Engineering	Technical/Engineering Assistance	\$40,000	\$0
10	Administration/Coordination	Administration/Coordination	\$100,000	\$0
TOTAL			\$1,264,531	\$129,800

Interest earned on grant dollars held in bank account will be tracked and reported to the Steering Committee to be reassigned back to grant work plan activities. These will be tracked as local funds in eLINK.

Measurable Outcomes/Outputs and Milestones

Activity #	Grant Activity	Overall Measurable Outcome/Output	Year 1 (2021) Milestones	Year 2 (2022) Milestones
1	Basin Ag Outreach Program	Output: Engage agricultural landowners (of both large and small operations) with a cumulative total of at least 3,000 acres of land to implement structural and nonstructural BMPs as outlined in other Activities See Attachment A – Agronomy Outreach Specialist Details & Milestones	Agronomy outreach specialist hired	
2	Structural Ag BMP Implementation	Outcome: reduce phosphorus loading to target waterbodies by 300 lb/yr		Implement 20 best management practices, or enough to achieve a 300 lb/yr phosphorus reduction
3	Shared Services Educator	Output: 0.5 FTE See Attachment B – Education Details & Milestones	New education staff hired, develop basin-wide outreach plan for 2021-22	Implement basin-wide outreach plan
4	Non-Structural Ag/Urban Implementation	Outcomes: reduce phosphorus loading to target waterbodies by 400 lb/yr		Implement 2,000 acres of non-structural best management practices, or enough to achieve a 400 lb/yr phosphorus reduction
5	Structural Urban BMP Implementation	Outcomes: reduce phosphorus loading to target waterbodies by 200 lb/yr		Implement 20 best management practices, or enough to achieve a 200 lb/yr phosphorus reduction

6	Wetland Restoration Implementation	Outcomes: reduce phosphorus loading to target waterbodies by 15 lb/yr		Wetland restoration(s) construction
7	Internal Analyses	Outputs: Complete 2 internal loading analyses		Complete 2 internal loading analyses
8	Targeting Analyses	<p>Outputs: Complete the following analyses (See Activity 8 Description for further detail)</p> <ul style="list-style-type: none"> • Linwood Lake Anoka County • St. Croix Direct Washington County • Desktop Analysis and Prioritized Catchments of the Sunrise River Watershed Chisago • Rock Lake Pine and St. Croix Direct Pine County • SWA protocol refinements • Enhanced street sweeping analyses for Rush City, Taylors Falls, Harris, North Branch, Marine on St. Croix, Stillwater, Bayport, Lakeland, Lake St. Croix Beach, and Afton 		
9	Technical/Engineering			
10	Administration/Coordination	Complete eLINK annual reporting as required	Complete annual report	Complete annual report
Sum of outcomes:		915 lb/yr TP reduction at target waterbodies (see grant and progress reporting under Activity 10 Administration/Coordination)		

Phosphorus Reduction Goals and Progress

Phosphorus Reductions from CWMP	10-Year Phosphorus Reduction Goal (lb/yr)	2-Year Average (lb/yr)
Priority Streams (CWMP Table 5-2)	4,140	828
Priority Lakes (CWMP Table 5-3)	1,363	273
TOTAL	5,503	1,101

Phosphorus Reductions Proposed in this Work Plan	2-Year Proposed Reduction (lb/yr)
Activity 2: Structural Ag BMP Implementation	300
Activity 4: Non-Structural Ag/Urban BMP Implementation	400
Activity 5: Structural Urban BMP Implementation	200
Activity 6: Wetland Restoration Implementation	15
TOTAL	915

The first table contains total priority streams and priority lakes phosphorus reduction goals from the LSC CWMP (see tables 5-2 and 5-3 on pages 81 and 82). If divided equally throughout the 10-year plan period, the average total lakes/streams phosphorus reduction goal would be 1,101 pounds/yr achieved every 2-year period. The second table contains the proposed phosphorus reductions under this WBIF work plan. The total of 915 lb/yr is slightly below the CWMP 2-year average. The LSC partners expect the first two years of the period to focus more heavily on laying the groundwork for implementation (e.g., completing targeting analyses, establishing implementation processes). More phosphorus reductions will be achieved in subsequent years.

Completing targeting analyses and establishing implementation processes are major elements of this work plan. Part of this entails establishing timing to achieve the phosphorus reductions outlined in tables 5-2 and 5-3. At this time, the LSC partners do not have 2-year phosphorus load reduction estimates for each individual lake and stream listed in tables 5-2 and 5-3. The figures listed in the second table above are cumulative for multiple lakes and streams. These figures are not necessarily achieved at the St. Croix River, but are essential to the long-term improvement of the river (upstream load reductions must be achieved in order to maintain water quality in the St. Croix River long-term).

LSC partners may utilize multiple calculation tools to estimate load reductions. Examples include MIDS calculator, PTMApp, BWSR Pollutant Reduction Estimator, estimation via outflow, and internal loading analysis. See CWMP page 99 for a full list of potential reduction tools and their general intended uses. LSC partners will choose the calculation tool best suited to the proposed BMP. Phosphorus reductions will be estimated at the target waterbody (not just at edge-of-field).

Phosphorus reductions achieved at specific priority waterbodies will be reported annually. LSC partners will also estimate, on an annual basis, the load reduction achieved at the St. Croix River as a result of implemented practices.

Implementation Category Budget Breakdown

The following text appears on [page 16](#) of the Lower St. Croix Comprehensive Watershed Management Plan:

In general, WBIFs are expected to be allocated across program areas with a distribution similar to:

- 70% Implementation (approximately 25% shared services + 45% BMPs & restoration/protection activities)
- 25% Prioritization and Analysis
- 5% Administration

The following tables summarize how this work plan compares to the estimated percentages in the CWMP.

Activity #	Grant Activity	eLINK Activity Category	Grant Budget	Match Budget
1	Basin Ag Outreach Program	Project Development	\$200,000	\$0
2	Structural Ag BMP Implementation	Agricultural Practices	\$160,000	\$55,000
3	Shared Services Educator	Education/Information	\$125,000	\$4,800
4	Non-Structural Ag/Urban Implementation	Non-Structural Management Practices	\$200,000	\$0
5	Structural Urban BMP Implementation	Urban Stormwater Practices	\$200,000	\$70,000
6	Wetland Restoration Implementation	Wetland Restoration/Creation	\$39,531	\$0
7	Internal Analyses	Planning and Assessment	\$50,000	\$0
8	Targeting Analyses	Planning and Assessment	\$150,000	\$0
9	Technical/Engineering	Technical/Engineering Assistance	\$40,000	\$0
10	Administration/Coordination	Administration/Coordination	\$100,000	\$0
TOTAL			\$1,264,531	\$129,800

	LSC CWMP (Page 16)	Work Plan (Grant Funds)	Actual Grant Spend**
Implementation - BMPs/Restoration Activities*	45%	47%	
Implementation - Shared Services	25%	29%	
Prioritization & Analysis	25%	16%	
Administration	5%	8%	
	100%	100%	

*Expenses billed to implementation (blue) line items will be for implementation only and will not include staff time. Staff time for project coordination/design/oversight etc. is covered by the remaining three categories (green, orange, yellow).

**Progress reporting will include comparison of budget vs actual spend for each cost category.

ATTACHMENT A – AGRONOMY OUTREACH SPECIALIST DETAILS & MILESTONES

Activity 1: Basin Ag Outreach Program

eLINK Activity Category: Project Development

Grant: \$200,000

Match: \$0

Match Source(s): N/A

Lead Agency(ies): Washington Conservation District

Staff qualifications: TBD (new hire)

Priority areas: Agronomy outreach specialist will focus on priority areas described in Structural Ag BMP Implementation and Non-Structural Ag/Urban Implementation

CWMP Reference: Page 61

Activity Description: Facilitate a shared agronomy outreach program across the basin to provide education and technical assistance to agricultural producers; and support implementation of economical farming practices that have water quality and soil health benefits.

- WBIF funds will be used to create one, full-time position
- The new hire will work basin-wide and may have more than one office space.

WBIF funded education and outreach will include:

- 80% = working directly with agricultural producers in the LSC Watershed to identify economical farming practices with water quality benefits to make them a routine part of farm operations.
- 20% = supporting implementation of BMPs led by others.

High priority and secondary priority actions that will be accomplished include (pg. 40 of CWMP):

- Provide agronomy, outreach, and technical assistance to agricultural producers including conservation planning and support to develop nutrient management plans.

AGRONOMY OUTREACH

Audience: Agricultural producers and land owners

Activity description: Provide education and technical assistance to agricultural producers and landowners to support implementation of economical farming practices that have water quality and soil health benefits. This may include:

- Conducting site visits and assessing crop production on farms;
- Helping farmers to set up test-plots; develop conservation plans and nutrient management plans; evaluate and improve seed quality;
- Planning field days and creating farmer-led councils or similar learning networks;
- Promoting implementation of cover crops and alternative crops;
- Providing outreach support for implementation of structural and non-structural BMPs;
- Working in partnership with Discovery Farms and performing agronomy research including: laboratory tests of soil, seed, and crop samples; quality control for seed caliber and soil

standards; keeping records of research, testing, and results; presenting results of data and analysis.

2-year program goals (Table 5-1, Part A)

1. Conduct outreach to 200 operators of large and small farms, with a cumulative total of at least 3000 acres.
2. Provide technical support to help 20 farmers set up test plots on their land in order to evaluate the performance of practices such as cover crops, reduced tillage, and nutrient management.
3. Host six fields days.
4. Provide outreach support for installation or implementation of structural and nonstructural BMPs:
 - 2,000 acres of non-structural best management practices, or enough to achieve a 400 lb/yr phosphorus reduction to target water bodies
 - 300 acres of structural or non-structural BMPs that improve soil health and/or reduce nitrogen and pesticide pollution to groundwater in locations where 1) DWSMA vulnerability is moderate, high, or very high; 2) Pollution sensitivity to wells is high or very high; 3) Pollution sensitivity to near surface materials is karst or high; or 4) Well testing show ≥ 5 mg/L nitrate
 - 300 acres of structural or non-structural BMPs near sensitive lakes or in direct lake catchments for significant lakes to reduce TP by 150 lbs
 - Structural or non-structural BMPs that reduce total phosphorus by 450 lbs/year to regionally significant rivers and streams
5. Create at least one farmer-led council or similar learning network

ATTACHMENT B – SHARED SERVICES EDUCATOR DETAILS & MILESTONES

Activity 3: Shared Services Educator (Basin Water Outreach Program)

eLINK Activity Category: Education/Information

Grant: \$125,000

Match: \$4,800

Match Source: Parties to the LSC JPC

Lead Agency(ies): Washington Conservation District

Staff qualifications: Angie Hong, Emily Johnson, new hire (see table in Work Plan Detail)

Priority areas: Basin-wide

Measurable outcomes/milestones: See table in Work Plan Detail

CWMP Reference: Page 65

Activity Description: Facilitate a shared education and outreach program across the basin to provide education; engage residents, businesses, and local officials; and promote and market programs and practices. [0.5 FTE to expand EMWREP basin wide; \$50,000/yr or \$100,000/2 yrs

- WBIF funds will be combined with EMWREP local funds to create a new, full-time education and outreach position.
- The new hire will work with Angie Hong (EMWREP) and Emily Johnson (Anoka WEP) to conduct education and outreach basin-wide. Duties will be distributed so that all three staff are able to work basin-wide.
- In addition to the education objectives listed below, this program will help to build social capacity, which is an over-arching goal of the LSC CWMP.

WBIF funded education and outreach will include:

- 90% = develop and implement outreach programs that result in behavioral changes achieving water quality benefits
- 10% = solicit willing landowners to install BMPs that are goals within this plan. Promoted practices will be in line with BWSR eligibility requirements and will focus on water quality.

High priority and secondary priority actions that will be accomplished include (pg. 41 and 42 of CWMP):

1. Facilitate a shared education and outreach program across the basin to provide education; engage residents, businesses, and local officials; and promote and market programs and practices.
2. Provide outreach, education and ordinance development on Minimal Impact Design Standards with local governments, developers, and others.
3. Work with LGUs to set shoreline "view corridors" to 25% of lot width or maximum 35' width and maximum vegetation clearing standards or adopt innovative shoreland standards to protect buffers, native ecosystems, and habitat corridors. This work will provide water quality benefits through the protection of shoreline and streambank buffers.
4. Actively promote best management practices and green infrastructure on developed or developing lands.
5. Provide outreach and education to lake associations and lake groups or shoreline owners to promote shoreline restoration projects.

Additional detail is provided on the following pages.

EDUCATION AND OUTREACH FOR LOCAL DECISION MAKERS

Audience: Local government staff and elected/appointed officials

Activity description: Provide local decision makers (city councils, planning commissions, watershed boards, county commissioners, etc.) with information and training needed to implement policies, programs, and practices that protect and restore water resources. This includes, but is not limited to, Minimal Impact Development Standards (MIDS), Shoreland/Buffer rules, and wetland buffer rules.

Education objectives:

- Local decision makers will understand that stormwater runoff, erosion, and illicit discharge contaminate surface and groundwater resources and, also, that there are best management practices to reduce these causes of water pollution.
- Local decision makers will understand that land use impacts water quality and that there are a variety of policies, programs and practices cities, counties, and watershed management organizations can implement to protect their water resources, including MIDS, shoreland/buffer rules, and wetland buffer rules.
- Local staff and decision makers will understand the impacts of chlorides on water quality and that there are many ways to reduce these impacts.

Program goals:

1. MIDS (see Table 5-1, Part B)
 - **2-Year:** Establish relationships, build trust, provide education, and lay groundwork for in-depth ordinance review, revision, and adoption in years 5-8.
 - **10-Year:** Implement Minimal Impact Design Standards or more restrictive in 20 communities; including climate resiliency provisions or standards
2. Shoreline standards / “view corridors” (see Table 5-1, Part C)
 - **2-Year:** Establish relationships, build trust, provide education, and lay groundwork for in-depth ordinance review, revision, and adoption in years 3-6.
 - **10-Year:** Increase the number of LGUs (including counties) by 2 that adopt innovative shoreland standards
3. Wetland protection
 - **2-Year:** Increase by 1 the number of LGUs with adopted wetland protections including buffer requirements and setbacks for permanent structures.
 - **10-Year:** Increase by 5 the number of LGUs with adopted wetland protections including buffer requirements and setbacks for permanent structures.
4. Chlorides (see Table 5-1, Part B)
 - **2-year:** 15% of all cities have staff certified in MPCA’s Level 1 and Level 2 Smart Salting Training
 - **10-year:** 75% of all cities have staff certified in MPCA’s Level 1 and Level 2 Smart Salting Training

OUTREACH SUPPORT FOR BMP IMPLEMENTATION

Audience: Urban and rural landowners, shoreland property owners

Activity description: Promote best management practices and green infrastructure on developed or developing lands. Provide outreach and education to lake associations, lake groups, and shoreline owners to promote shoreline restoration projects. Provide outreach support for existing cost-share programs and new projects funded with WBIF. Train and assist urban and rural residents to complete projects on their land that reduce runoff pollution, conserve groundwater, and increase infiltration.

This activity will build on and expand existing programs and activities offered through EMWREP and the Anoka WEP, including Blue Thumb – Planting for Clean Water.

Education objectives:

- Landowners will learn that they can help to reduce runoff pollution, conserve groundwater, and increase infiltration by installing best management practices such as habitat plantings, raingardens, and shoreline plantings; repairing erosion; and managing drainage around homes, farms, and commercial buildings.
- Landowners will develop the knowledge and skills to complete habitat and water quality improvement projects on their land, including: native plantings, raingardens, and native shoreline buffers.
- Landowners will be aware of and utilize BMP, cost-share and other incentive programs to complete projects.

Program goals:

1. Outreach support for large projects (Table 5-1, Part B)
 - **2-year:** Provide outreach support to retrofit 4 existing developments with infiltration, recharge and reuse projects
 - **10-year:** Provide outreach support to retrofit 20 existing developments with infiltration, recharge and reuse projects
2. Outreach support for small projects (Table 5-1, Part B)
 - **2-year:** Provide outreach support for approximately 40 BMP projects in priority locations
 - **10-year:** Provide outreach support for approximately 200 BMP projects in priority locations
3. Outreach to shoreland property owners (Table 5-1, Part B)
 - **2-year:** Provide outreach support to install 20 shoreline restoration projects.
 - **10-year:** Provide outreach support to install 100 shoreline restoration projects.
4. Outreach for Landscape Stewardship Planning (Table 5-1, Part C)
 - **2-year:** Provide outreach support to create 4 new Landscape Stewardship Plans and 4 Woodland Stewardship Plans
 - **10-year:** Provide outreach support to create 20 new Landscape Stewardship Plans and 23 Woodland Stewardship Plans

PUBLIC EDUCATION AND ENGAGEMENT

Audience: General Public, Lake Associations

Activity description: Educate the public about nonpoint source water pollution, groundwater conservation, and basic watershed ecology and management. Build partnerships with state and local government, non-profit organizations, lake associations, and other community groups. Motivate the public to practice behaviors that protect water resources.

This activity will build on and expand existing programs and activities offered through EMWREP and the Anoka WEP.

Education objectives:

Residents and visitors of the Lower St. Croix watershed will learn:

- That nonpoint source water pollution comes from a variety of land uses - residential, commercial, and agricultural.
- That common pollutants impacting surface and groundwater resources in the Lower St. Croix Watershed include phosphorus, sediment, nitrates, E. coli, chloride, and mercury.
- That a watershed includes all of the land draining to a lake, stream or river, and that Watershed Districts and Watershed Management Organizations are special-purpose local units of government charged with managing the resources of a given watershed to prevent flooding and protect water quality.
- That surface and groundwater resources interact.
- That the public can help to prevent nonpoint source water pollution through a variety of behaviors, including raking leaves and grass clippings out of the street, using less fertilizers and chemicals on lawns and gardens, covering bare soil during landscaping and construction, picking up pet poop, replacing failing septic systems, using less salt for winter maintenance and water softening, disposing of household waste properly, and using less electricity.

Program goals:

1. Deliver information to at least 90,000 people per year through articles in local newspapers.
2. Deliver information to at least 30,000 people per year through online news services.
3. Deliver information to at least 120,000 people per year through social media platforms.
4. Provide educational instruction for at least 1000 people per year through webinars and workshops.
5. Recruit 500 new people to adopt storm drains through the Adopt a Drain program (2 year goal).