

A meeting of the joint Technical Advisory Committee (TAC) of the Shingle Creek and West Mississippi Watershed Management Commissions is scheduled for 8:30 a.m., Tuesday, January 31, 2017, at Crystal City Hall, 4141 Douglas Drive North, Crystal, MN.

A G E N D A

Meeting docs (*) are posted on the website at
<http://www.shinglecreek.org/tac-meetings.html>

1. Approve agenda.*

2. Approve Minutes of December 8, 2016 meeting.*

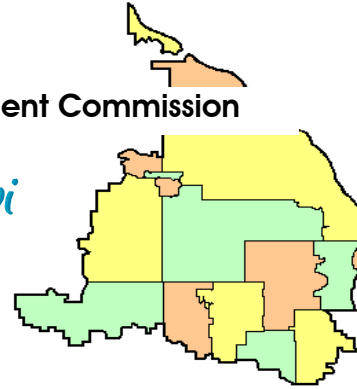
3. CIP Cost Share Policy.
 - a. Proposed Revisions to the Cost Share Policy.*
 - b. Cost Share Policy – January 24, 2017 Draft.*
 - c. Partnership Cost Share Program Guidelines Adopted December 2015.*
 - d. Partnership Cost Share Program Guidelines.*
 - e. Partnership Cost-Share Program Flier.*

4. 2017 CIP/Cost share Projects.
 - a. Request for 2017 CIP/Cost share Projects.*
 - b. Request to Add Project to CIP.*
 - c. Request to Modify Project on CIP.*

5. Update on Grant Projects.
 - a. Public Art Reaeration Structures.
 - b. Iron/Biochar Enhanced Sand Filters.

6. Other business.

7. Next Meeting _____



MINUTES

December 8, 2016

A meeting of the Technical Advisory Committee (TAC) of the Shingle Creek and West Mississippi Watershed Management Commissions was called to order by Chairman Richard McCoy at 11:05 a.m., Thursday, December 8, 2016, at the Clubhouse at Edinburgh, USA, 8700 Edinbrook Crossing, Brooklyn Park, MN.

Present were: Andrew Hogg, Brooklyn Center; Todd Tuominen, Champlin; Mark Ray, Crystal; Rick Lestina, Maple Grove; Liz Stout, Minneapolis; Ben Scharenbroich, Plymouth; Richard McCoy, Robbinsdale; Ed Matthiesen and Diane Spector, Wenck Associates, Inc.; and Judie Anderson, JASS.

Not represented: Brooklyn Park, New Hope, and Osseo.

Also present : Dave Mulla, Brooklyn Center; Janet Moore, Crystal; Bob Grant, New Hope; Andy Polzin, Plymouth; Wayne Sicora, Robbinsdale; Shane Nelson and Kaci Fisher, Hakanson-Anderson; Doug Baines, Dayton; Rachel Olmanson, MPCA; and Andy Erickson, University of Minnesota.

- I. Motion by Scharenbroich, second by Stout to approve the **agenda**. * *Motion carried unanimously.*
- II. Motion by Stout, second by Hogg to approve the **minutes of the May 26, 2016 meeting**. * *Motion carried unanimously.*
- III. **Iron and Bio-char Enhanced Sand Filter Project.**

A. Erickson, from the U of M's St. Anthony Falls Laboratory, provided an overview of the state of the research and practices on iron-enhanced sand filters. He discussed the Shingle Creek Commission's current project as well as other sites he has been studying. A few sites also treat agricultural runoff. He has provided a number of maintenance recommendations in the final report of the Prior Lake project.

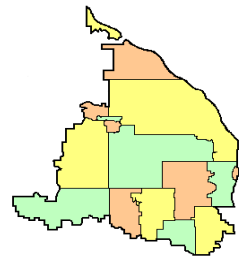
Many questions centered on maintaining the systems – when should material be replaced, the use of iron to reduce lake sediments during anaerobic conditions, nonroutine maintenance in trenches, use of vegetation on the filter material, and determination of level of effluent where filter no longer performs.

The Shingle Creek project seeks to achieve E. coli and other bacteria removal; heretofore unresearched in the field.

Matthiesen noted that a pre-bid meeting will be held next week for the Crystal and Minneapolis Park Board projects, with bids due at the end of the month. The Champlin and Robbinsdale projects will move forward in 2017.

B. Other strategic applications.

Areas of concentrated runoff, near the end of the watershed. Underground sand filters – not using iron. Access is required and must be designed in. Have to maintain 3-5-8 years to remove sediment. Replace material every 10+ years due to fine particulate clogging.



In rain gardens have to be careful that water doesn't short-circuit the filter. Can use 3-5% compost material to support vegetation. Recommendation for filter fabric is up in the air.

Not measuring chloride in MnDOT project – Erickson will look into that.

Erickson will provide links to the projects that are being discussed.

IV. Grant Updates.

A. Work is complete on the **Connections at Shingle Creek project** located in Brooklyn Park and Brooklyn Center. The \$200,000 Clean Water Fund grant that is partially funding the project expires on December 31, 2016. Staff are working to close out the project and collate the final numbers. The Commission must approve the release of the \$200,000 upon receipt of an invoice from the City of Brooklyn Park and the balance of the levy due to Brooklyn Park as project lead agency when the final costs are reconciled.

B. Public Art Reaeration Project. The committee is still finalizing the elements of the floating leaves structure in the pond at Brooklyn Center City Hall. Issues of safety, theft, storage, and the budget for power are being discussed.

C. The TAC will consider recommending to the Commission that a line item be added to the Commission's operating budget for **M&O expenses** related to grant/CIP projects. The ramifications of the Above-the-Cap assessment provision of the JPA must be taken into account. An alternative would be to consider seeking levy authority as held by the Mississippi Watershed Management Commission. Staff will draft a policy for discussion at the next TAC meeting.

[Ray arrived 12:15 p.m.]

V. Public and Private BMP Cost Share Programs.

A. To date the Commissions have not received any applications for private cost share projects. It is the policy of the Commissions to fund these projects at 50%. It was noted that other watershed organizations fund them at 100%. Staff will draft other funding options to make this program more attractive to potential applicants. A revised draft policy will be available at the next TAC meeting.

B. The members will be emailed notices that the **2017 Public and Private programs** are now open. Applications have been received from Crystal and Robbinsdale (???).

C. Members will also be reminded that **updates to the CIP** are now being solicited.

VI. Other Business.

A. The **next meeting** is scheduled for January 26, 2017, at 8:30 a.m. at Crystal City Hall.

B. The meeting was adjourned at 12:31 p.m.

Respectfully submitted,

A handwritten signature in black ink that reads "Judie A. Anderson".

Judie A. Anderson
Recording Secretary

Technical Memo



Responsive partner.
Exceptional outcomes.

To: Shingle Creek/West Mississippi TAC

From: Ed Matthiesen, P.E.
Diane Spector

Date: January 24, 2017

Subject: Proposed Revisions to the Cost Share Policies

The TAC and Commissions have previously discussed proposed revisions to the CIP Cost Share Program for large city projects and the Partnership Cost Share Program for private projects. The purpose of this memo is to present for discussion and recommendation to the Commissions formal, written policies codifying current practice and incorporating recent discussions.

CIP Cost Share Policy

The Third General Watershed Management Plan sets forth three potential funding sources for capital projects in the two watersheds: 100% Commission funded; 100% City funded; and 25% Commission/75% City funded. The Plan also notes that the Commissions intend to operate using the 25%/75% sharing option, but that any of these three options are open for consideration on any project.

The Commissions have previously discussed proceeding with 100% Commission funding on certain types of projects, and authorized a Minor Plan Amendment to fully fund lake internal load projects. To codify this approach, and to provide planning clarity for future projects, we've drafted the attached Cost Share Policy. The first three paragraphs are from, with some minor modification, existing CIP application documents. The section under the subhead Projects of Washed-Wide Benefit is new language crafted from TAC and Commission discussions as well as our own recommendations.

The final section under the subhead Operations and Maintenance is also new language based on our discussions arising from the Public Art Reaeration Project. As you may recall, those installations will require annual electric power to run the pumps associated with the artwork, as well as other costs to maintain and winterize the artwork. The Commissions have discussed creating a line item in their operating budget to reimburse the cities for these expenses.

Recommendation: Discuss the draft policy, suggest revisions, and make a recommendation to the Commissions to adopt the policy and any recommended revisions.

Partnership Cost Share Policy

The Partnership Cost Share Policy provides for matching the cost of private investment in BMPs that go above and beyond the Commission's requirements. Note that at this time the Partnership Cost Share

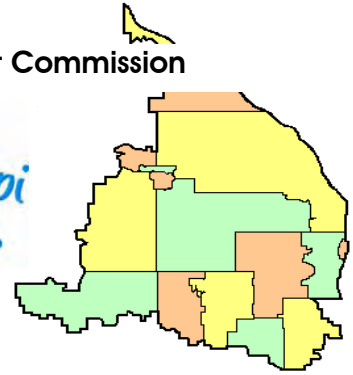
applies only to Shingle Creek and not to West Mississippi. None has been awarded to date, and it is likely that the requirement for 50/50 cost share is limiting interest in the program. Some other WMOs with similar programs, including Ramsey-Washington, Nine Mile Creek, and Minnehaha Creek, provide 75% funding, and Ramsey Washington provides 100% if they are in a priority drainage area. Rice Creek provides 50%.

Recommendation: Discuss increasing the cost share provided by the Commissions and make a recommendation to the Commissions. Some options include:

1. 75% funding
2. 75% funding, 100% in a lakeshed draining to an impaired lake
3. 75% funding, 100% to projects located in the directly connected, untreated area



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Shingle Creek and West Mississippi Watershed Management Commissions

Cost Share Policy

DRAFT 1/24/17

The Shingle Creek and West Mississippi Watershed Management Commissions share the cost of high watershed-priority capital improvements and demonstration projects through the Commissions' Capital Improvements Program (CIP). High-priority watershed capital improvements are those activities that go above and beyond general city management activities to provide a significant improvement to the water resources in the watershed. This Cost Sharing Policy establishes the basis for and amount of Commission contribution to qualifying projects.

Capital Improvement Projects

High priority projects that result in Wasteload Allocation reductions toward a TMDL, help solve a regional flooding problem, or are otherwise determined by the Technical Advisory Committee (TAC) and Commissions to be high priority projects are eligible to receive up to 25 percent of the final project cost in Commission cost-share, funded by the county as valorem tax levied on all property in the watershed. The balance of the project cost, less any grant or other funds received, must be funded by the local government(s) participating in or benefiting from the improvement. *The Commissions' minimum share is \$25,000 and maximum share is \$250,000.*

Routine maintenance or localized improvement projects are not eligible for cost share. Thus, a local street flooding issue is not of watershed priority, but a local flooding issue that creates significant erosion and sedimentation impacting a downstream resource may be a watershed priority. Because the Commissions intend to utilize Hennepin County's ad valorem tax levy to finance the watershed share of most of these projects, participation is limited to "bricks and mortar" – type construction projects, or projects that Hennepin County deems suitable for the capital levy. The Commissions have developed a set of criteria by which proposed projects would be scored, with those projects scoring a minimum number of points on the proposal form screening questions advancing to a prioritization stage by the Technical Advisory Committee (TAC). Prioritization will be based on cost effectiveness, amount of improvement achieved, and regional significance.

Projects of Watershed-Wide Benefit

The capital cost of projects addressing TMDL Load Allocation reductions and projects of watershed-side benefit may be funded 100 percent by the ad valorem tax levy. Examples of these types of projects include:

- Lake Internal Load Reduction Projects
 - Alum treatments
 - Rough fish management
 - With Hennepin County and DNR concurrence, initial, whole-lake invasive aquatic vegetation management treatments performed for water quality on an Impaired Water, excluding those for recreation, aesthetics, or navigation
- Stream Internal Load Reduction Projects
 - Channel narrowing or creation of a low-flow channel to reduce sediment oxygen demand
 - Projects to increase DO at wetland outlets
- Non-TMDL Parameters (actions required by TMDLs not associated with a pollutant for which a numerical reduction of improvement can be specified)
 - Restoration or enhancement of in-stream habitat
 - Increases in channel roughness to enhance DO
 - Removal or bypass of barriers to connectivity
 - Streambank restoration below the top of the bank
- Other Watershed-Wide Projects as Recommended by the TAC

Operations and Maintenance

The annual Operations and Maintenance cost of watershed-wide projects may be considered for reimbursement from Commission operating funds if these activities and costs are above and beyond general city management activities. Examples might include annual electrical cost or the rental cost of specialized operations and maintenance equipment. O & M costs for a given year will be reimbursed in the January of the following year. Eligible O & M costs must be set forth in a Memorandum of Understanding between the city (cities) requesting such reimbursement and the respective Commission, executed prior to undertaking the improvement project.

**Shingle Creek
Watershed Management Commissions
Partnership Cost-Share Program Guidelines
Adopted December 2015**

The Shingle Creek Watershed Management Commission will from time to time make funds available to its member cities to help fund the cost of Best Management Practices (BMPs) partnership projects with private landowners. The following are the guidelines for the award of cost-share grants from this program:

1. Projects on private property must be for water quality improvement, and must be for improvement above and beyond what would be required to meet Commission rules. Only the incremental cost of “upsizing” a BMP above and beyond is eligible.
2. Priority is given to projects in a priority area identified in a subwatershed assessment or TMDL.
3. Commission funds must, at a minimum, be matched 1:1.
4. The cost of land acquisition may be included as local match.
5. The minimum cost-share per project is \$10,000 and the maximum is \$50,000.
6. Projects must be reviewed by the Technical Advisory Committee (TAC) and recommended to the Commissions for funding.
7. Cost-share is on a reimbursable basis following completion of project.
8. The TAC has discretion on a case-by-case basis to consider and recommend to the Commissions projects that do not meet the letter of these guidelines.
9. Unallocated funds will carry over from year to year and be maintained in a designated fund account in an amount determined by the Commission.
10. The property owner must dedicate a public easement or equivalent sufficient to install and maintain the BMP.
11. The Member City must obtain a recordable maintenance agreement from the property owner that specifies maintenance requirements and schedule; authorizes the City to inspect the BMP and order maintenance and improvement; and authorizes the City to undertake ordered maintenance and improvement not completed by the property owner, and assess the cost that work to the property.
12. The standard Commission/Member Cooperative Agreement will be executed prior to project construction.

**Shingle Creek Watershed Management Commissions
 Partnership Cost-Share Program Application**

City:	
Contact Name:	
Contact Phone:	
Contact Email:	
Project Name:	
Total Project Cost:	
Amount Requested:	
Project Location:	
Owner:	
Address:	
City, State, Zip:	
Phone:	
Email:	

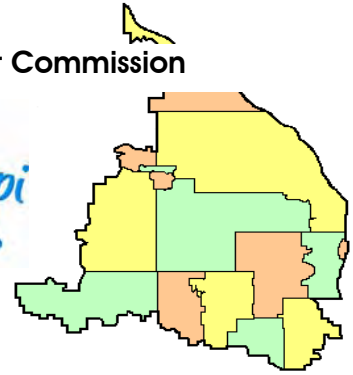
1. Describe the BMP(s) proposed in your project. Describe the current condition and how the BMP(s) will reduce pollutant loading and/or runoff volume. Note the estimated annual load and volume reduction by parameter, if known, and how they were calculated. Attach figures showing project location and BMP details including drainage area to the BMP(s).

2. If this request is for cost share in “upsizing” a BMP, explain how the upsize cost and benefit were computed.

3. Show total project cost, amount of cost share requested, and the amount and source of matching funds.

4. What is the project schedule, when will work on the BMP(s) commence and when will work be complete?

The member City must verify that a public easement (or equivalent) is dedicated and that an Operations and Maintenance Agreement has been executed and recorded prior to release of any funds.



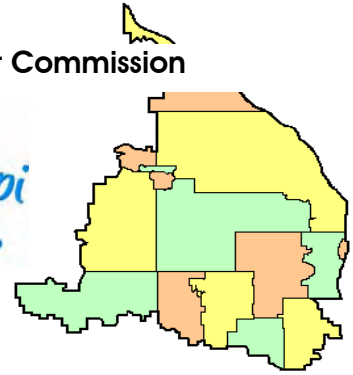
**Shingle Creek and West Mississippi
Watershed Management Commissions
Cost-Share Program Guidelines**

The Shingle Creek and West Mississippi Watershed Management Commissions will from time to time make funds available to its member cities to help fund the cost of Best Management Practices (BMPs) projects that cost less than \$100,000. The following are the guidelines for the award of cost-share grants from this program:

1. Projects must be for water quality improvement, and must be for improvement above and beyond what would be required to meet Commission rules. Only the cost of “upsizing” a BMP above and beyond is eligible.
2. Priority is given to projects identified in a subwatershed assessment or TMDL.
3. Projects should cost less than \$100,000; projects costing more than \$100,000 should be submitted to the CIP.
4. Commission will share in funding projects on a 1:1 basis.
5. The cost of land acquisition may be included as City match.
6. The minimum cost-share per project is \$10,000 and the maximum is \$50,000.
7. Projects must be reviewed by the Technical Advisory Committee (TAC) and recommended to the Commissions for funding.
8. The Commissions will call for projects in November of each year, with potential projects reviewed by the TAC by the end of January.
9. Cost-share is on a reimbursable basis following completion of project.
10. The TAC has discretion on a case-by-case basis to consider and recommend to the Commissions projects that do not meet the letter of these guidelines, including projects submitted mid-year.
11. Unallocated funds will carry over from year to year and be maintained in a designated fund account.
12. The standard Commission/Member Cooperative Agreement will be executed prior to project construction.



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**Shingle Creek and West Mississippi
 Watershed Management Commissions
 Cost-Share Program Application**

City:	
Contact Name:	
Contact Phone:	
Contact Email:	
Date Submitted:	
Project Name:	
Year of Construction:	
Total Project Cost:	
Amount Requested:	
Project Location:	

1. Describe the BMP(s) proposed in your project. Describe the current condition and how the BMP(s) will reduce pollutant loading and/or runoff volume. Note the estimated annual load and volume reduction by parameter, if known, and how they were calculated. Attach figures showing project location and BMP details including drainage area to the BMP(s).

2. If this request is for cost share in “upsizing” a BMP, explain how the upsize cost and benefit were computed.

3. Show total project cost, amount of cost share requested, and the amount and source of matching funds.

4. What is the project schedule, when will work on the BMP(s) commence and when will work be complete?

Partnership Cost-Share Program

Overview

The Shingle Creek Watershed Management Commission Partnership Cost-Share Program offers financial & technical assistance to private property owners to protect and improve water and natural resources within our watershed.

What types of projects are considered for the program?

The Cost-Share Program may be used by private landowners for voluntary projects to protect and restore clean water and native habitat. The Cost-Share Program may not be used to fund stormwater management BMPs that are required by a state, local, or watershed requirement.

- 💧 Raingardens/bioinfiltration/filtration features that take hard surface runoff
- 💧 Pervious asphalt, concrete, and pavers
- 💧 Volume reduction practices (infiltration basins & trenches, cisterns, green roofs)
- 💧 Conversion of impervious surface or turf grass to native plants
- 💧 “Upsizing” BMPs to treat or infiltrate more runoff than is required



Photo: North Carolina State University

Who can apply?

Businesses and corporations, groups of residents, not-for-profit and religious organizations, public and private schools within the SCWMC. Visit our website (shinglecreek.org) to determine if you are within the watershed boundaries.

Where do I get an application?

You must apply through your local City Engineer or their designee.

Available funds

The SCWMC will accept applications year round until funds are gone. Applicants are encouraged to apply early in the year. The minimum grant is \$10,000; the maximum is \$50,000. Applicants must match grants at least 1:1.

Do I have to do anything after approval?

You must obtain all permits necessary for the work. You must enter into an operations and maintenance agreement with the local city prior to receiving any funds, and are fully responsible for all ongoing maintenance of funded projects.

Technical Memo



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To: Shingle Creek/West Mississippi TAC

From: Ed Matthiesen, P.E.
Diane Spector

Date: January 24, 2017

Subject: Request for 2017 CIP/Cost Share Projects

In accordance with the Commissions' CIP process, please submit to the TAC any requests to add, delete, or change a project on the CIP, or request that a project be moved to a different year. The tables below show the current CIPs for Shingle Creek and West Mississippi, and a history of projects already implemented or underway.

Application forms are attached, and can also be found at shinglecreek.org/member-city-resources.html. Please submit by **February 17, 2017** so they can be reviewed at the February 23, 2017 TAC meeting.

Table 1. Current Shingle Creek CIP.

CAPITAL IMPROVEMENT PROGRAM	2016	2017	2018	2019	2020	2021-2022
Cost Share Program	200,000	200,000	200,000	200,000	200,000	600,000
Commission Contribution	100,000	100,000	100,000	100,000	100,000	300,000
Local Contribution	100,000	100,000	100,000	100,000	100,000	300,000
Maple Grove Pond P57		648,000				
Commission Contribution		162,000				
Local Contribution		486,000				
Maple Grove Pond P33		574,000				
Commission Contribution		143,500				
Local Contribution		430,500				
Shingle Creek Reaeration Project						
Commission Contribution						
Local Contribution						
Shingle Cr Brookdale Park Habitat Enhancement				150,000		
Commission Contribution				37,500		
Local Contribution				112,500		
Lake Internal Load Improvement Project**		200,000			200,000	200,000

CAPITAL IMPROVEMENT PROGRAM	2016	2017	2018	2019	2020	2021-2022
Commission Contribution		200,000			200,000	200,000
Local Contribution						
Minneapolis Webber Park Stream Restoration				500,000		
Commission Contribution				125,000		
Local Contribution				375,000		
Shingle Creek Restoration, Regent to Brooklyn Blvd		400,000				
Commission Contribution		100,000				
Local Contribution		300,000				
Minneapolis Flood Area 5 Water Quality Projects				6,000,000		
Commission Contribution				250,000		
Local Contribution				5,750,000		
Shingle Creek or Bass Creek Restoration Project*		500,000		500,000		500,000
Commission Contribution		125,000		125,000		125,000
Local Contribution		375,000		375,000		375,000
Lake Internal Load Improvement Project**		200,000			200,000	
Commission Contribution		200,000			200,000	
Local Contribution						
Iron and Biochar Pond Retrofits	210,000					
Commission Contribution	210,000					
Local Contribution						
Becker Park Infiltration Project			2,500,000			
Commission Contribution			250,000			
Local Contribution			2,250,000			
Maple Grove Pond P55				855,000		
Commission Contribution				213,800		
Local Contribution				641,200		
Partnership Cost-Share Projects	100,000	100,000				100,000
Commission Contribution	50,000	50,000				50,000
Local Contribution	50,000	50,000				50,000
TOTAL PROJECT COST	510,000	\$2,822,000	\$2,700,000	\$8,205,000	\$600,000	\$1,400,000
TOTAL COMMISSION SHARE	360,000	1,080,500	350,000	851,300	500,000	675,000
TOTAL CITY SHARE	150,000	1,741,500	2,350,000	7,353,700	100,000	725,000

Table 2. Current West Mississippi CIP.

CAPITAL IMPROVEMENT PROGRAM	2016	2017	2018	2019	2020-2022
Cost Share Program	100,000	100,000	100,000	100,000	300,000
Commission Contribution	50,000	50,000	50,000	50,000	150,000
Local Contribution	50,000	50,000	50,000	50,000	150,000
Mississippi Crossings Phase A Rain Gardens		219,000			
Commission Contribution		54,800			
Local Contribution		164,200			
Mississippi Crossings Phase B Infiltration Vault		200,000			
Commission Contribution		50,000			
Local Contribution		150,000			
Champlin Woods Trail Rain Gardens		180,000			
Commission Contribution		45,000			
Local Contribution		135,000			
Wetland Restoration Project		250,000			500,000
Commission Contribution		62,500			125,000
Local Contribution		187,500			375,000
Iron and Biochar Enhanced Pond Retrofits	80,000				
Commission Contribution	80,000				
Local Contribution					
New Project					
Commission Contribution					
Local Contribution					
TOTAL PROJECT COST	\$180,000	\$949,000	\$100,000	\$100,000	\$800,000
TOTAL COMMISSION SHARE	130,000	262,300	50,000	50,000	275,000
TOTAL CITY SHARE	50,000	522,500	50,000	50,000	525,000

Table 3. History of Shingle Creek Capital Improvement Projects.

Year	City	Project Name	Commission Share	City Share	Grants	Est Total Cost	Amount Levied
2005	B Park	Shingle Cr, Candlewood to Brooklyn Blvd	\$75,000	\$673,440	\$0	\$748,440	\$75,000
2007	Maple Gr	Pond P-51	\$250,000	\$1,650,000	\$0	\$1,900,000	\$250,000
2007	New Hope	Wincrest Pond	\$90,625	\$219,020	\$55,155	\$364,800	\$90,625
2008	Crystal	Twin Oak Pond	\$77,500	\$159,420	\$73,080	\$310,000	\$77,500
2008	Crystal	Wetland 639W Feasibility	\$30,000	\$30,000	\$60,000	\$120,000	\$30,000
2009	Robbinsdale	Crystal Lake Improvements	\$100,000	\$900,000	\$0	\$1,000,000	\$100,000
2010	New Hope	45th Avenue Pond	\$82,500	\$87,500	\$160,000	\$330,000	\$82,500

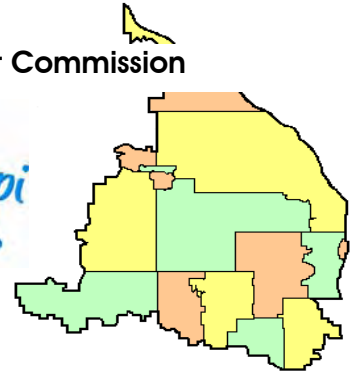
Year	City	Project Name	Commission Share	City Share	Grants	Est Total Cost	Amount Levied
2010	Crystal	Wetland 639W Construction	\$142,500	\$127,500	\$300,000	\$570,000	\$142,500
2010	B Center	Shingle Cr, I94 to CR10	\$127,500	\$277,263	\$105,237	\$510,000	\$127,500
2010	Minneapolis	37th Avenue Greenway	\$250,000	\$2,750,000	\$0	\$3,000,000	\$250,000
2011	Brooklyns	Connections at Shingle Creek	\$87,500	\$62,500	\$200,000	\$350,000	\$87,500
2012	B Park	Bass Creek Stabilization (no levy)	\$17,500	\$52,500	\$0	\$70,000	\$0
2013		None	\$0	\$0	\$0	\$0	\$0
2014	Plymouth	Bass Lake Improvements	\$210,000	\$630,000	\$0	\$840,000	\$210,000
2014	Commission	Cost Share Fund (City Projects)	\$50,000	\$50,000	\$0	\$100,000	\$50,000
2015	Commission	Cost Share Fund (City Projects)	\$100,000	\$100,000	\$0	\$200,000	\$100,000
2015	Brooklyns	Shingle Creek Reaeration	\$42,500	\$34,000	\$93,500	\$170,000	\$42,500
2015	Multiple	Twin Lake Carp Mgmt	\$125,000	\$0	\$100,000	\$225,000	\$125,000
2015	Commission	Priority BMP retrofits (private projects)	\$50,000	\$50,000	\$0	\$100,000	\$50,000
2016	Commission	Cost Share Fund (City Projects)	\$100,000	\$100,000	\$0	\$200,000	\$101,000
2016	Multiple	Biochar Pond Retrofits	\$210,000		\$149,500		\$212,100
2016	Commission	Priority BMP retrofits (private projects)	\$50,000	\$50,000	\$0	\$100,000	\$50,500
		TOTAL	\$2,268,125	\$8,003,143	\$1,296,472	\$11,208,240	\$1,573,125

Table 4. History of West Mississippi Capital Improvement Projects

Year	City	Project Name	Commission Share	City Share	Grants	Est Total Cost	Amount Levied
2012	Champlin	Stream Stabilization at Mill Pond	\$125,000	\$375,000		\$500,000	\$125,000
2013	None	None	\$0	\$0		\$0	
2014	Commission	Cost Share Fund	\$50,000	\$50,000		\$100,000	\$50,000
2015	Commission	Cost Share Fund	\$50,000	\$50,000		\$100,000	\$50,000
2016	Commission	Cost Share Fund	\$50,000	\$50,000		\$100,000	\$50,500
2016	Commission	Biochar Pond Retrofits	\$80,000		\$49,875	\$129,875	\$80,800
		TOTAL	\$355,000	\$525,000	\$49,875	\$929,875	\$356,300



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Shingle Creek and West Mississippi Watershed Management Commissions Request to Add a Project to the Capital Improvement Program

The Shingle Creek and West Mississippi Watershed Management Commissions share the cost of high watershed-priority capital improvements and demonstration projects through the Commissions' Capital Improvements Program (CIP). High-priority watershed capital improvements are those activities that go above and beyond general city management activities to provide a significant improvement to the water resources in the watershed. Thus, a local street flooding issue is not of watershed priority, but a local flooding issue that creates significant erosion and sedimentation impacting a downstream resource may be a watershed priority.

The Commissions' Cost Sharing Policy provides for up to 25 percent of the cost of qualifying projects to be shared by all property in the watershed, with the balance of project cost funded by the local governments participating in or benefiting from the improvement. *The Commissions' maximum share is \$250,000.* The Commissions have developed a set of criteria by which proposed projects would be scored, with those projects scoring a minimum number of points on the proposal form screening questions advancing to a prioritization stage by the Technical Advisory Committee (TAC). Prioritization will be based on cost effectiveness, amount of improvement achieved, and regional significance.

Because the Commissions intend to utilize Hennepin County's ad valorem tax levy to finance the watershed share of most of these projects, preference will be given to "bricks and mortar" –type construction projects. However, some management-type projects such as rough fish control may be considered for cost sharing through the Commission budget.

Shingle Creek and West Mississippi Watershed Management Commissions
Capital Improvement Program Proposal

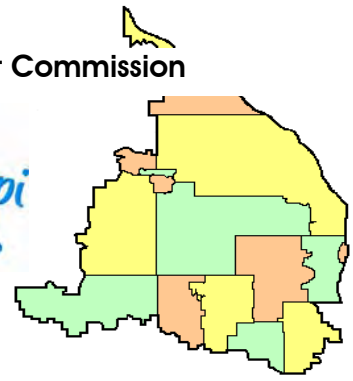
Date:	
City:	
Contact Name:	
Telephone:	
Email:	
Project Name:	
Proposed CIP Year:	
Total Estimated Project Cost:	\$
Total Estimated Commission Share: (Maximum smaller of 25% or \$250,000)	\$

In no more than two pages, please address the following questions:

1. Please describe:
 - a. The proposed project and its estimated cost for construction, engineering, easement or land acquisition, and any other costs;
 - b. Its purpose;
 - c. The water resource(s) that would be affected by the project;
 - d. The anticipated improvement that would result from the proposed project, for example, estimated pounds of phosphorus removed annually; linear feet of streambank stabilized with native vegetation; square feet of vegetated buffer added; and
 - e. The nature of the improvement.

Attach a conceptual or preliminary site plan, and if available a drainage plan, and estimated benefiting area.

2. Please describe how the proposed project addresses as many of the following as apply:
 - a. Improved water quality.
 - b. Prevention of flooding.
 - c. Prevention or correction of erosion.
 - d. Groundwater recharge.
 - e. Protection and/or enhancement of fish and wildlife habitat.
 - f. Improvement or creation of water recreation facilities.
3. Does the project address one or more TMDL requirements, and if so, which and by how much?
4. How does the proposed project implement a strategy identified in one or more TMDL Implementation Plans, Subwatershed Assessments, other special or feasibility study?
5. Do all the cities responsible for sharing the 75 percent balance of the cost of the project agree to go forward with the project? (It is not necessary to have a final agreement on the precise cost sharing yet.)
6. Is the project in your CIP and the CIP of other cost-sharing cities?



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**Shingle Creek and West Mississippi Watershed Management Commissions
 Request to Modify a Project on the Capital Improvement Program**

The Commissions' Third Generation Watershed Management Plan, as amended to incorporate revisions to Minnesota Rules 8410, defines when a change to the CIP requires a minor or major plan amendment or no amendment at all. Use this form to submit requests for changes to the CIP.

No Amendment Required: Rescheduling a project to a different year; changing a project cost by less than 25%

Minor Plan Amendment: Changing a project cost or Commission share by more than 25% percent, adding a project to the CIP (if the County does not object), providing more project description detail (e.g., the 2016 Internal Lake Project will be Twin Lake Carp Management)

Major Plan Amendment: Any revision that BWSR or Hennepin County determines should be a Major Plan Amendment

Date:	
City:	
Contact Name:	
Telephone:	
Email:	
Project Name:	
CIP Year:	
CIP Project Cost:	\$
CIP Commission Share:	\$
Change CIP Year To:	
Change Project Cost To:	
Change Commission Share To:	
Other Change:	
Reason for Change:	