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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., Thursday, June 25, 2020. This will be a virtual meeting.** To join the Zoom Meeting: <https://us02web.zoom.us/j/87659246193>

Or dial by your location:

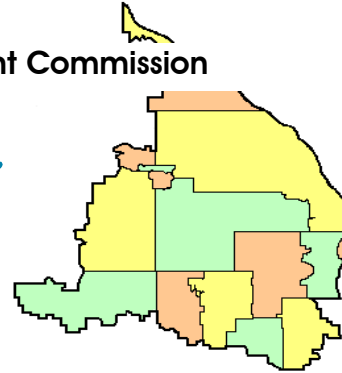
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+1 346 248 7799 US (Houston)	+1 669 900 6833 US (San Jose)

Meeting ID: 876 5924 6193

AGENDA

1. Call to Order.
 - a. Roll Call.
 - b. Approve Agenda.*
 - c. Approve Minutes of Last Meeting.*
2. Project Review Fees - presentation.
3. HUC8 Model Update - presentation.
4. Crescent Cove Cost-Share project.*
5. Other Business.
6. Next TAC meeting is scheduled for 8:30 a.m., Thursday, July 23, 2020.
7. Adjournment.

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MINUTES
May 28, 2020

A virtual 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 8:35 a.m., Thursday, May 28, 2020.

Present were: Andrew Hogg, Brooklyn Center; Mitch Robinson, Brooklyn Park; Todd Tuominen, Champlin; Mark Ray, Crystal; Derek Asche, Maple Grove; Liz Stout, Minneapolis; Bernie Weber, New Hope; Nick Waldbillig, Osseo; Ben Scharenbroich, Amy Riegel, and Emerson Peaslee, Plymouth; Richard McCoy and Marta Roser, Robbinsdale; Ed Matthiesen and Diane Spector, Wenck Associates, Inc.; and Amy Juntunen, JASS.

Also present: Karen Jaeger, Maple Grove; Harold Johnson, Osseo; Karen Galles, Hennepin County Environment and Energy; and Luca Youngsma, DNR.

I. Motion by Ray, second by Stout to **approve the agenda*** with item 6.d. Crystal Lake Management Plan, being moved up for discussion prior to Galles' departure. *Motion carried unanimously.*

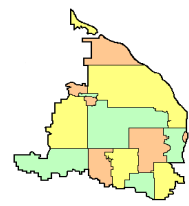
II. Motion by Ray, second by Stout to **approve the minutes*** of the April 30, 2020 meeting. *Motion carried unanimously.*

III. Project Review Fees.*

A. At the budget meeting the members of the TAC and the Commissioners were interested in reviewing the fee schedule to ascertain that it covers the cost of project reviews and that the fees were in line with those of other joint powers WMOs in the area. The schedule* was last updated in 2014 and reviewed in 2018, at which time the Commission voted to not revise the schedule.

Tables in Staff's May 27, 2020 memo* compare the review fees received to the cost of performing the project reviews. The costs may also include meetings with developer's representatives, agencies, etc. As shown, often, especially in Shingle Creek, the review fee is not adequate to recapture all those costs. Projects that are part of regional developments such as Arbor Lakes or northern Brooklyn Park along the 610 corridor tend to cost less to review because treatment and rate control are being provided as part of regional systems or multi-development systems and the review is less extensive. Where development is infill or redevelopment, the project review can be more complex. In 2018 the review fees were adequate to cover the costs overall, but in 2019 they were not.

Staff compared the review fees to those of the adjacent Elm Creek* and Bassett Creek* WMOs to a sample of project reviews from 2018-2019. Elm is generally based on size, with a flat rate per acre. Bassett is generally based on flat amounts, with a base rate and other flat add-on rates for special analyses.



B. Staff recommend increasing the project review fees and suggest two options:

1. Maintain the current fee structure but simply increase the rates.
2. Consider a structure such as Bassett's, with a base rate and add-ons depending on the complexity of the review.

Juntunen noted that Elm Creek is also looking to revise their fee schedule – potentially moving to an escrow process – to ensure that the applicants, and not the cities, bear the costs of the reviews.

Some other watershed organizations use an escrow fee schedule. Wenck was queried how much administrative costs could be if an escrow process was used. JASS estimates administering escrows would probably cost about \$100 per review.

This discussion will continue at the next TAC meeting. Staff will flesh out the costs for managing escrows and look at the current schedule to consider altering base fees.

IV. HUC8 Model Update.

Issues have been worked out with the State. Matthiesen will provide an update with figures and results at the June meeting.

V. CIP Levy by Project.

At the last TAC meeting the members wanted to better understand the potential impacts to individual property owners of the proposed levy for 2020 Capital Improvement Projects.

In their May 27, 2020 memo* Staff provided an estimate based on the tax capacity rate experienced in the certify 2018/pay 2019 year. That levy of \$479,900 resulted in a Tax Capacity Rate of \$0.00355. Using the median single family home value by city reported by Hennepin County in its Assessment Report 2020, Table 1 of the memo shows the estimated impact on an average home in each member city in the Shingle Creek watershed.

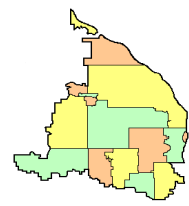
Staff were directed to add a column for percent increase next to the dollar amount increase for context. Sometimes 300% increase is \$10. The Commission's job is to present how much it needs to carry out its goal.

The Tax Capacity Rate is variable year-to-year depending on the overall net tax capacity in the county and distribution by city. The median value data is for all the single-family properties in the city, so it may not be representative of the median value of the homes in the Shingle Creek watershed.

The numbers in the second table show the maximum levy. The Commission could later decide not to proceed with any of these projects prior to the certification date. Delaying a project to a future year would likely mean a \$2 million levy down the road. Staff requested the TAC to make a recommendation to the Commissions of a course of action as they decide their maximum levy at their June 11, 2020 meeting.

Motion by Ray second by Riegel to recommend to the Commissions the levies as proposed (Shingle Creek = \$1,405,165; West Mississippi = \$287,660). *Motion carried unanimously.*

VI. Filamentous Algae (FA) Discussion. Following alum treatments in Bass and Upper Twin lakes, some filamentous algae growth has been observed. Brian Vlach at Three Rivers Park District has experienced the same results, so it appears to be a regional problem. It may be related to the temperature at the time of the treatments. It is possible that a broader distribution of alum and wider coverage areas may help get ahead of the FA problem. Wenck staff are working on an internal document which they will



send to the Commissions, TRPD, and neighboring watershed organizations as a plan of action. They also want to create educational materials for lakeshore owners so that they understand what FA is and how to deal with it.

Staff have been looking at options for treating/living with filamentous algae in Twin Lake. This spring 's weather and lake conditions have been conducive for its growth. The Commission will share advice with the residents. Meadow Lake experienced the same conditions after its drawdown.

Jaeger noted that Rice Lake has had problems with bullheads dying and curly leaf pondweed. She stated there was a [news] article about manure overloads to the water. Staff responded that there has not been a manure problem in Shingle Creek. The article is about conditions in the west/southwest area of the State. They also noted that Rice Lake is in the Elm Creek watershed.

VII. Meadow Lake Drawdown.

The drawdown is proposed to begin at the end of the golf season. Meadow Lake would be discharged west to the New Hope city storm sewer systems. The city would dewater the internal pond in the golf course. There are potential aquatic, wildlife and hydrologic impacts. A pump operational plan and some other items requesting authorization from DNR are being undertaken. It is hoped to get DNR's decision soon in order to move forward this fall. The project requires 75% approval of riparian owners. The project is on the CIP for levy this fall and will be resubmitted for a Clean Water Fund grant. The City has agreed to provide funds up front in order to move forward until grant or levy funds become available.

[Ray and Stout departed 9:30 a.m., Weber at 9:50 a.m.]

Youngsma introduced himself. He indicated he did not have an update on this project.

A Memo of Understanding with the City will be included on the Commission's June 11 agenda.

VIII. SRP Monitoring.

All three media are performing well, with the Alcan treatment still showing the best results. The project is up and running and performing. Staff will have data to report at the next meeting.

IX. Twin Lake Carp Barrier.

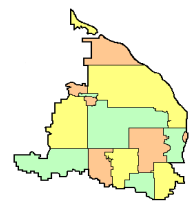
The carp are running. A crew caught 50 carp at the throat of Ryan Creek. They expect to catch that many or more again – about 1,000 lbs. The goal is take out as many as possible.

X. Crystal Lake Management Plan.

Galles was particularly interested in the lake levels and what steps the City of Robbinsdale is pursuing this year. Lake levels continue to be well above the OHW, reducing the ability to deal with ongoing storm events since there is no natural outlet. There is a pump in Sanborn Park that pumps water into the City of Minneapolis through their internal storm sewer and eventually to Shingle Creek. Minneapolis' storm sewer system is not able to handle any additional discharge.

Last year Robbinsdale had a permit to discharge to Ryan Creek and is approved to discharge directly to Ryan Lake until the end of this year. The City must find an alternative option for 2021.

Part of the Robbinsdale's 2020 CIP is to install an underground discharge line up to Ryan Lake so that whenever they need to pump down the lake they can bring in a portable pump to direct the water up to CR 9 and spill out into Ryan Lake. The City is moving ahead with that option, but the ideal situation is to have a line that runs from the north side of CR 9 to the south side of CR9. That is difficult since there is a 24" sanitary sewer pipe already there. Adding this additional line would be challenging, i.e., expensive.



After the project is completed, the pipe will be underground and will not be visible. Scharenbroich offered to touch base with McCoy regarding a pump base. Plymouth has experience with this construction.

XI. Other Business.

XII. Next Meeting.

The next Technical Advisory Committee meeting is scheduled for 8:30 a.m., Thursday, June 25, 2020. This also will be a virtual meeting.

The meeting was adjourned at 9:49 a.m.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Amy Juntunen". The signature is fluid and cursive, with a large loop at the end.

Amy Juntunen
Recording Secretary
AAJ:tim

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

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 may reimburse up to 100% of the cost of the qualifying BMP.
4. The minimum cost-share per project is \$10,000 and the maximum is \$50,000.
5. Projects must be reviewed by the Technical Advisory Committee (TAC) and recommended to the Commissions for funding.
6. Cost-share is on a reimbursable basis following completion of project.
7. 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.
8. Unallocated funds will carry over from year to year and be maintained in a designated fund account. Any balance in said account in excess of \$100,000 will be transferred to the City Cost Share Program Account.
9. The property owner must dedicate a public easement or equivalent sufficient to install and maintain the BMP.
10. 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.
11. The standard Commission/Member Cooperative Agreement will be executed prior to project construction.

Adopted November 2015
Revised February 2017

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

City:	City of Brooklyn Center
Contact Name:	Stephen Mastey, Landscape Architect
Contact Phone:	651.646.1020 Office, 651.246.1151 Mobile
Contact Email:	Stephen@landarcinc.com
Project Name:	Crescent Cove Play Area
Total Project Cost:	\$365,000
Amount Requested:	\$50,000
Project Location:	4201 58th Ave N, Brooklyn Center
Owner:	Crescent Cove
Address:	3440 Belt Line Blvd #207
City, State, Zip:	Saint Louis Park, Mn 55416
Phone:	Tara Anderson
Email:	tara.anderson@crescentcove.org

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).

Play Area Construction Project consists of creating a play area that is mostly within the 100 year floodplain and converting the adjacent existing non-native landscape with a diverse native plant community that creates an ecologically appropriate wetland buffer. Under a portion of the play area additional storage beyond the watershed requirements will be created by using a Tire Derived Aggregate Infiltration System similar to the product used across the street at the Twin Lake North Townhomes Parking Lot Renovation Project.

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

We are requesting for funds to help with the creation of the Stormwater Treatment Systems (innovative TDA infiltration System) including Native Plantings and Native Buffer to Restore area along the Twin Lake North Lake Shoreline / Wetland to a high quality water filtration system and pollinator habitat.

3. Show total project cost and the amount of cost share requested.

See Crescent Cove Designer’s Estimate Dated 2020 06 04 Attached. With our currently proposed design our project total is \$365,000. Of that total \$122,500 could potentially have water Quality Improvement Benefits attached with those improvements. Therefore, we are requested \$50,000 of Potential Grant Funding at this time with this current proposed design.



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

Work is scheduled to begin late Summer of 2020 as soon as approvals are completed and completing the project as weather allows either Fall of 2020 or Early in the 2021 Construction Season.

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.



LANDSCAPE ARCHITECTURE INCORPORATED

WWW.LANDARCINC.COM

CRESCENT COVE June 4, 2020

4201 58th Avenue North, Brooklyn Center, Minnesota

DESIGNER'S ESTIMATE (Based off of LANDSCAPE ARCHITECTURE Drawing Set Dated 2020 05 12)

NO.	ITEM	UNIT	QUANTITY	UNIT COST	TOTAL
1	Natural Timber Play Feature (Tree House Feel with Slide, Climbers & Play Elements)	LS	1.0	60,000.00	\$60,000.00
2	Storage Shed (with interactive exterior surface & storage for yard/garden tools)	LS	1.0	20,000.00	\$20,000.00
3a	Double Row of Erosion Control, Temp. Seeding, Sweeping during Construction	LS	1.0	5,000.00	\$5,000.00
3b	Site Demo of Buckthorn, Colorado Spruce & Existing Bit. Path with Haulaway Recycling	LS	1.0	4,500.00	\$4,500.00
3c	Site Grading / Subcutting with Soil Haulaway/Recycling (300 cubic yards to be removed)	CY	300.0	50.00	\$15,000.00
4	Relocate Electric & Tele-communications/internet out of Play Space	LS	1.0	13,000.00	\$13,000.00
5	Wetland Delineation Process	LS	1.0	5,500.00	\$5,500.00
6a	Subbase for Play Spaces & Paths	LS	1.0	20,000.00	\$20,000.00
6a	Subbase for Mini Baseball Diamond / Innovative Stormwater Treatment System with TDA	LS	1.0	22,000.00	\$22,000.00
7a	Surfaces: Play Spaces (ADA & Fall Protection Included)	LS	1.0	35,000.00	\$35,000.00
7b	Surfaces: Mini Baseball Diamond (Funded by MN Twins Community Fund)	LS	1.0	25,000.00	\$25,000.00
8	Stone Seat Walls Embracing Play Spaces (St. Croix Valley Limestone @ 18 inch height)	EA	10.0	500.00	\$5,000.00
9	Concrete Paths & Edger at Play Surfaces	LS	1.0	18,000.00	\$18,000.00
10	Plantings, Planting Soil Amendments & Shredded Western Red Cedar Bark Mulch	LS	1.0	65,000.00	\$65,000.00
11	Music Therapy Pieces with Installation Columns	EA	3.0	8,000.00	\$24,000.00
12	Irrigation: Renovation of Existing System impacted by install of Play Space & Entry Drive	LS	1.0	5,000.00	\$5,000.00
13	Site Lighting (Donated by Friend of Crescent Cove)	LS	1.0	4,800.00	\$0.00
14	Site Furnishings (ADA picnic benches & trash / recycling receptacles)	LS	1.0	7,500.00	\$7,500.00
15	Blue Stone Pretreatment Sump Assembly with Restoration at Each for Existing Pavements	EA	2.0	5,000.00	\$10,000.00
16	Construction Staking & Creation of As-built Drawings upon Completion of Installation	EA	1.0	5,500.00	\$5,500.00

TOTAL PROJECT COSTS **\$365,000.00**

- Assumptions:**
- A. Items highlighted in Green Potentially have Water Quality Benefits (totaling \$122,500)
 - B. Does Not Include Design Fees or Permitting Fees
 - C. Tulips per Planting Plan L4.0 by Owner
 - D. Additional Play Equipment Not Specified on Plans by Owner

LANDSCAPE ARCHITECTURE, INC. 2350 BAYLESS PLACE ST. PAUL, MN 55114 PHONE 651.646.1020