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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, April 27, 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 March 9, 2017 meeting.\*
3. Proposed 2018 Budgets.\*
4. Minor Plan Amendment.\*
5. Update on Projects.
  - a. Public Art Reaeration Structures.
  - b. Iron/Biochar Enhanced Sand Filters.
6. Other business.
7. Next Meeting \_\_\_\_\_

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## MINUTES March 9, 2017

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 11:02 a.m., Thursday, March 9, 2017, at Edinburgh USA, 8700 Edinbrook Crossing, Brooklyn Park, MN.

Present were: Andrew Hogg, Brooklyn Center; Jesse Struve, Brooklyn Park; 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: Champlin, New Hope.

Also present: Mitch Robinson, Brooklyn Park;

- I. Motion by Ray, second by Scharenbroich to approve the **agenda**.\* *Motion carried unanimously.*
- II. Motion by Ray, second by Hogg to approve the **minutes of the January 31, 2017 meeting**.\* *Motion carried unanimously.*
- III. **2016 NPDES Activity Report**.\*

Since the Commissions' Second Generation Watershed Management Plan was approved in 2004, and reaffirmed in the Third Generation Watershed Management Plan, the Commissions continue to provide education and outreach programming to meet Commission objectives and to help member cities satisfy their education and outreach goals under their National Pollution Discharge Elimination System (NPDES) MS4 permits. This Annual Report serves both as a report to the Commissions and a report to the member cities that they can use in the preparation of their annual NPDES reports. This will be an action item at the Commissions' meeting today.

### IV. **City Cost-Share Project Submittals**.\*

The cities of Crystal and Robbinsdale have submitted applications for 2017 cost-share funds for small projects under \$100,000. Both projects are located in the Shingle Creek watershed. Projects must be for water quality improvement and must be for improvement above and beyond what would be required to meet Commission rules. Priority is given to projects identified in a subwatershed assessment or TMDL. The maximum cost share is \$50,000 per project, and the city must at least match that share. The full applications are included in the meeting packet and summarized below.

**A. City of Crystal Phase 16 Street Reconstruction**.\* In 2017 the City will be reconstructing streets in the Skyway Neighborhood adjacent to Crystal Airport. Approximately nine infiltration sump manholes and infiltration swales are proposed to be installed to reduce runoff and alleviate some drainage issues. Much of the neighborhood surface flows to the Airport and then to Upper Twin Lake, an impaired water. Request is for \$50,000. Motion by Ray, second by Scharenbroich to recommend to the Commission this application for funding at \$50,000. Motion carried unanimously.

**B. City of Robbinsdale 37th Avenue Infiltration Chambers.\*** In 2017 the City will be reconstructing Noble Avenue in a subwatershed draining to Crystal Lake, an impaired water. The City proposes to install two infiltration chambers designed for Atlas 14 10-year storm events. The reduction in annual TP load to Crystal Lake is estimated at 15 lbs/year. A subwatershed assessment was completed for the Crystal Lake drainage area in Robbinsdale, and increased infiltration was recommended in this catchment. Request is for \$50,000. Motion by Ray, second by Scharenbroich to recommend to the Commission this application for funding at \$50,000. *Motion carried unanimously.*

Shingle Creek had an estimated encumbered balance of \$36,540 at the end of 2016 and has levied \$101,000 for collection in 2017, for an estimated year-end balance of \$137,540 prior to expenses. Earlier this year the Shingle Creek Commission adopted a policy revision setting a maximum balance for the partnership cost share account, with any balance in excess of that ceiling to be transferred into the city cost-share account.

No projects have been submitted for cost-share in West Mississippi. West Mississippi will have an estimated 2017 year-end balance of \$149,506 prior to expenses.

**C.** Matthiesen described work associated with the **Highway 169 Reconstruction Project** in Champlin. The City is proposing to install BMPs along the 169 corridor after the design work is completed. BMPs could include such things as tree trenches, infiltration benches, enhanced roadside benches, etc. and would exceed \$300,000 in cost.

The members discussed cost-sharing options. Motion by Lestina, second by Scharenbroich to recommend to the Commission approval of cost-sharing up to \$100,000, or one-third of the project cost, spread over two years, subject to receipt of final design approval, BMPs costing more than \$300,000, and consideration of other subsequent project submittals. *Motion carried unanimously.*

**D. Others.**

**1.** It is anticipated Brooklyn Center will be making application in the future for a project with a cost-share of \$50,000.

**2.** At the January TAC meeting it was noted that New Hope may submit a project dealing with **BMPs on their City Hall project**. The project was approved in principal for submittal at that meeting.

**V. CIP Projects.**

**A.** A request has been received to consider funding for the **2018 Mississippi Crossing CIP project**. Cost of this project is estimated at \$250,000. The City of Champlin is requesting a cost-share of \$62,500. Motion by Struve, second by Scharenbroich to recommend to the Commission this application for funding at \$62,500. *Motion carried unanimously.*

**B.** The City of Plymouth has submitted a CIP project, the **Palmer Creek Estates Stream Restoration project**, for consideration at the April TAC meeting. Proposed for 2021, the estimated cost of the project is \$450,000, with a requested cost-share of \$112,500.

**VI. Grant Updates.**

Matthiesen and Spector provided updates on the **Public Art Reaeration, Iron/Biochar Enhanced Sand Filter, and Twin Lake Carp Management Projects**.

SCWM Technical Advisory Committee  
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**VII.** The **2016 Annual Water Quality Report** will be presented to the Commissioners at their April meeting. Spector indicated there is good news to report!

**VIII. Other Business.**

- A.** The **next meeting** is scheduled for April 27, 2017, at 8:30 a.m. at Crystal City Hall.
- B.** The meeting was adjourned at 11:53 a.m.

Respectfully submitted,



Judie A. Anderson  
Recording Secretary

# Technical Memo



Responsive partner.  
Exceptional outcomes.

**To:** Shingle Creek/West Mississippi TAC

**From:** Ed Matthiesen, P.E.  
Diane Spector  
Judie Anderson

**Date:** April 26, 2017

**Subject:** Initial 2018 Operating budgets

## Recommended Commission Action

Review and discuss. Make recommendation(s) to Commissions.

Attached are the draft initial 2018 operating budgets and associated member assessments for Shingle Creek and West Mississippi for your review and comment. Below are some highlights and a few discussion points.

### Shingle Creek 2018 Budget

#### *Revenues:*

- Assessments are a 2.4% increase, at the assessment cap; current CPI-U is 2.4%
- WMWA partner revenues and expenses moved into separate assigned fund
- Capital projects moved into separate assigned funds

#### *Expenses:*

- No change to Admin
- Increase in General Engineering and Project Reviews: more things going on
- Expecting small increases in insurance & bonding and meeting expenses
- Separated out the USGS stream monitoring: expecting a small increase
- Propose to do invert & fish monitoring at the 4 monitoring sites in prep for DO and biotic TMDL 5-year review in 2019
- Recommend tabling volunteer wetland monitoring for 2018, budget for only 2 stream sites
- Lake monitoring: completed coring in lakes, now updating fish surveys where DNR has not
- Education grants: very little interest, interested in small grants to rain garden workshop goers who install rain gardens?
- Construction match fund: showing no contribution, need to revisit closed projects account and capital projects levies policies

### West Mississippi Budget

#### *Revenues:*

- Assessments are a 3.4% increase, but still less than the assessment cap of \$158,530
- Phasing out use of reserve to subsidize assessments

*Expenses:*

- No change to Admin
- Increase in General Engineering and Project Reviews: more things going on
- Expecting small increases in insurance & bonding and meeting expenses
- No change to monitoring program
- Should the Commission create a designated Fourth Generation Plan Account – end of 2015 unassigned balance was \$77K

Shingle Creek Watershed Management Commission  
Proposed 2018 Budget

Item 3

	A	B	C	D	I	J	K	O	P	Q
1					2015 Budget	2015 per Audit Report	2016 Budget	2016 Year-End pre-Audit	2017 Budget	2018 Proposed Budget
2	General Operations						4M Fund Balance at 12/31/2016 = 1,072,286			
3	REVENUE									
4	31001	Application Fees			21,000	16,000	25,000	19,300	25,000	22,000
5			Blue Line		3,405		6,595			2,000
6	31001	Wetland Reviews								
7	30001	Assessments			337,970	337,970	337,970	337,970	340,610	348,710
8	33001		Assessments - 4th Gen Plan							
9	32001	Interest and Dividends			100	125	100	3,783	100	1,000
10	34002	Education Reimbursement						29,585		
11			WMWA Education Reimbursement		29,250	30,746	30,000		30,000	
12	34001		Raingarden Workshops		11,500	2,700	10,000	7,841	8,000	6,000
13			Green Partners Grant			3,142		408		
14			WMWA Implementation Activities							
15		Green Roof Project				7,910				
16		DO Reaeration Grant				9,659				
17		Mpls Greenway Project				(152)				
18		Plymouth Bass Lake Pond				202,678				
19		2014 Cost Share Retrofit				48,254				
20	32003	Miscellaneous Income						351		
21							Subtotal	399,238		
22		To (from) Grants						458,220		
23		To (from) CIPs						316,845		
24				Total Revenue	403,225	659,032	409,665	1,174,303	403,710	379,710
25	EXPENSES									
26		ADMINISTRATION								
27	53001		Administrative Services		70,000	68,229	72,000	63,777	71,000	71,000
28	53004		Engineering Support		15,000	11,700	12,500	7,468	12,500	12,500
29			Third Gen Plan/Amendments			2,541				
30	53002		Project Reviews/WCA		2,000	921	1,800	849	1,000	1,000
32				Subtotal	87,000	83,391	86,300	72,094	84,500	84,500
33		ENGINEERING								
34	51001		Administration		55,000	63,931	55,000	55,413	56,410	60,000
35	51005		Grant Application Writing		10,120	14,396	10,120	8,699	10,000	10,000
36	51002		Project Reviews/WCA		33,000	34,075	35,000	35,651	35,000	37,000
37			Blue Line Extension			3,405		4,268		2,000
38			Third Generation Plan			1,228				
39			TMDL/CIP Engineering - 5 yr Reviews		8,000	8,003	10,000	9,992	12,000	12,000
40			Construction Projects							
41				Subtotal	106,120	125,038	110,120	114,023	113,410	121,000
42		LEGAL								
43	52001		Legal Services		6,000	6,983	6,000	6,731	6,000	7,000
44	52002		Legal - CIP							
45				Subtotal	6,000	6,983	6,000	6,731	6,000	7,000
46		MISCELLANEOUS								
47	54002		Bookkeeping		6,500	4,384	6,000	4,952	5,500	5,500
48	54003		Audit		5,000	4,500	5,000	4,500	5,000	5,000
49	54099		Contingency							
50	54004		Insurance & Bonding		2,000	1,719	3,000	2,997	2,500	3,100
51	54001		Meeting Expense		3,200	3,698	3,400	3,267	4,000	4,100
52				Subtotal	16,700	14,301	17,400	15,716	17,000	17,700
53		PROGRAMS								
54	56002		Citizen Assissted Lake Monitoring		3,600	2,375	3,800	2,846	3,800	3,800
55	56004		Stream Monitoring -USGS							3,990
56	56004		Stream Monitoring		38,500	41,577	39,000	45,227	39,000	31,220
57	56004		Bio-moniotirng							6,000
58	56004		Monitoring Equipment		2,000					
59	56006		Vol Wetland Monitoring		2,000	2,000	2,000	2,000	2,000	-
60	56001		Vol Stream Monitoring		3,000	3,000	3,000	2,000	3,000	2,000
61	56010		Intensive Lake Monitoring		21,200	20,948	22,000	21,608	22,000	22,000
62	58002		Annual Monitoring Report		12,000	11,895	13,450	13,614	14,000	14,000
63				Subtotal	82,300	81,795	83,250	87,295	83,800	83,010

Shingle Creek Watershed Management Commission  
Proposed 2018 Budget

Item 3

	A	B	C	D	I	J	K	O	P	Q
1					2015 Budget	2015 per Audit Report	2016 Budget	2016 Year-End pre-Audit	2017 Budget	2018 Proposed Budget
64				Water Quality Education						
65	57008			SC Education Program	15,000	19,271	13,000	12,786	15,000	15,000
66				WMWA Admin/Tech: SC Share	3,750	15,691	4,000	17,091	4,000	4,000
67				WMWA Admin/Tech: Partners Share	11,250		12,000		12,000	
68				WMWA Imple Activities: SC Share	1,500	6,000	1,500	6,000	1,500	2,000
69				WMWA Imple Activities: Partners Sha	4,500		4,500		4,500	
70	57002			Rain Garden Workshops: SC Share	3,000	7,800	3,000	9,594	2,000	2,000
71	57002			Rain Garden Workshops: Partners Sh	11,500		10,000		8,000	6,000
72				WMWA Educators: SC Share	4,500	11,840	4,500	15,236	4,500	4,500
73				WMWA Educators: Partners Share	13,500		13,500		13,500	
74	58011			CL TMDL (Fall Maint) Workshop						
75				GreenPartner Grant		1,553		75		
76	57101			Green Yard Pilot Project						
77				Mini Grant						
78	57007			Education Grants	2,000		2,000		2,000	2,000
79	58019			Intensive BMP Implementation						
80				Subtotal	70,500	62,155	68,000	60,782	67,000	35,500
81				MANAGEMENT PLANS						
82	51003/6			Management Plan						
83	51007			Third Generation Watershed Plan/Amend	1,200	see above	2,000		2,000	1,000
84				Subwatershed Assessments	20,000	24,171	20,000	16,549	20,000	20,000
85				Subtotal	21,200	24,171	22,000	16,549	22,000	21,000
86				PROJECTS						
87	58099			BMP Projects		953				
90	70501			Green Roof Project		8,036				
91				Connections at SC		3,526				
92				Becker Park Project		16,755				
93	59001			Construction/Matching Grant Fund	-		-		-	
94				Contribution to Fourth Gen Plan	10,000		10,000		10,000	10,000
95				Subtotal	10,000	29,270	10,000	0	10,000	10,000
96										
97				CIP and Other Project Expense		799				
98				Grant Expense		17,843				
99				To (From) Reserves						
100				Subtotal		18,642		0		
101							Subtotal	373,190		
102				To (from) Grants				354,960		
103				To (from) CIPs				101,976		
104										
105				Total Operating Expense	399,820	445,746	403,070	830,126	403,710	379,710
106							4M Fund Balance at 12/31/2017 = 1,072,286 +/- CIP/Grant activity			



Shingle Creek Watershed Management Commission - Proposed 2018 Member Assessments

	A	B	C	D	E	F	G	H	I
44		Acreage	2015 Tax Capacity	Cost Allocation		Cost Based		Total Cost	
45	2016			Based on Area		on Tax Capacity			
46	Community			%age	Dollars	%age	Dollars		
47	Brooklyn Center	3,720	12,999,301	13.07%	22,087.99	10.54%	17,817.87	11.70%	39,905.86
48	Brooklyn Park	7,080	28,240,781	24.88%	42,038.43	22.91%	38,709.05	24.38%	80,747.48
49	Crystal	2,480	8,831,618	8.71%	14,725.33	7.16%	12,105.31	7.72%	26,830.64
50	Maple Grove	5,020	24,366,851	17.64%	29,806.91	19.76%	33,399.14	18.85%	63,206.05
51	Minneapolis	1,950	7,105,468	6.85%	11,578.38	5.76%	9,739.32	6.46%	21,317.70
52	New Hope	2,070	10,689,505	7.27%	12,290.90	8.67%	14,651.88	7.99%	26,942.78
53	Osseo	300	2,422,437	1.05%	1,781.29	1.96%	3,320.38	1.61%	5,101.67
54	Plymouth	4,380	21,719,356	15.39%	26,006.83	17.62%	29,770.27	15.86%	55,777.10
55	Robbinsdale	1,460	6,910,280	5.13%	8,668.94	5.61%	9,471.78	5.41%	18,140.72
56	Total	28,460	123,285,597	100%	168,985	100%	168,985	100%	337,970
58		Acreage	2016 Tax Capacity	Cost Allocation		Cost Based		Total Cost	
59	2017			Based on Area		on Tax Capacity			
60	Community			%age	Dollars	%age	Dollars		
61	Brooklyn Center	3,720	13,778,395	13.07%	22,260.527	10.51%	17,898.434	11.79%	40,158.96
62	Brooklyn Park	7,080	30,304,404	24.88%	42,366.810	23.12%	39,366.077	24.00%	81,732.90
63	Crystal	2,480	9,045,748	8.71%	14,840.351	6.90%	11,750.623	7.81%	26,590.97
64	Maple Grove	5,020	25,990,574	17.64%	30,039.743	19.82%	33,762.319	18.73%	63,802.06
65	Minneapolis	1,950	7,909,846	6.85%	11,668.825	6.03%	10,275.061	6.44%	21,943.89
66	New Hope	2,070	11,567,771	7.27%	12,386.906	8.82%	15,026.785	8.05%	27,413.69
67	Osseo	300	2,525,662	1.05%	1,795.204	1.93%	3,280.890	1.49%	5,076.09
68	Plymouth	4,380	23,072,315	15.39%	26,209.975	17.60%	29,971.437	16.49%	56,181.41
69	Robbinsdale	1,460	6,907,795	5.13%	8,736.658	5.27%	8,973.375	5.20%	17,710.03
70	Total	28,460	131,102,510	100%	170,305	100%	170,305	100%	340,610
73		Acreage	2016 Tax Capacity	Cost Allocation		Cost Based		Total Cost	
74	2017			Based on Area		on Tax Capacity			
75	Community			%age	Dollars	%age	Dollars		
76	Brooklyn Center	3,720	13,778,395	13.07%	22,260.527	10.57%	18,009.503	11.82%	40,270.03
77	Brooklyn Park	7,080	30,304,404	24.88%	42,366.810	23.26%	39,610.364	24.07%	81,977.18
78	Crystal	2,480	9,045,748	8.71%	14,840.351	6.94%	11,823.541	7.83%	26,663.89
79	Maple Grove	5,020	25,990,574	17.64%	30,039.743	19.95%	33,971.831	18.79%	64,011.57
80	Minneapolis	1,950	7,909,846	6.85%	11,668.825	6.07%	10,338.823	6.46%	22,007.65
81	New Hope	2,070	11,567,771	7.27%	12,386.906	8.88%	15,120.034	8.08%	27,506.94
82	Osseo	300	1,717,121	1.05%	1,795.204	1.32%	2,244.419	1.19%	4,039.62
83	Plymouth	4,380	23,072,315	15.39%	26,209.975	17.71%	30,157.425	16.55%	56,367.40
84	Robbinsdale	1,460	6,907,795	5.13%	8,736.658	5.30%	9,029.060	5.22%	17,765.72
85	Total	28,460	130,293,969	100%	170,305	100%	170,305	100%	340,610
89		Acreage	2017 Tax Capacity	Cost Allocation		Cost Based		Total Cost	
90	2018			Based on Area		on Tax Capacity			
91	Community			%age	Dollars	%age	Dollars		
92	Brooklyn Center	3,720	14,477,632	13.07%	22,260.527	10.38%	17,676.902	11.73%	39,937.43
93	Brooklyn Park	7,080	32,233,728	24.88%	42,366.810	23.11%	39,356.744	23.99%	81,723.56
94	Crystal	2,480	10,038,229	8.71%	14,840.351	7.20%	12,256.479	7.96%	27,096.83
95	Maple Grove	5,020	27,549,564	17.64%	30,039.743	19.75%	33,637.473	18.70%	63,677.22
96	Minneapolis	1,950	8,636,022	6.85%	11,668.825	6.19%	10,544.412	6.52%	22,213.24
97	New Hope	2,070	12,441,636	7.27%	12,386.906	8.92%	15,190.991	8.10%	27,577.90
98	Osseo	300	1,795,750	1.05%	1,795.204	1.29%	2,192.575	1.17%	3,987.78
99	Plymouth	4,380	24,780,060	15.39%	26,209.975	17.77%	30,255.963	16.58%	56,465.94
100	Robbinsdale	1,460	7,529,573	5.13%	8,736.658	5.40%	9,193.460	5.26%	17,930.12
101	Total	28,460	139,482,194	100%	170,305	100%	170,305	100%	340,610
105		Acreage	2017 Tax Capacity	Cost Allocation		Cost Based		Total Cost	
106	2018 Allowable			Based on Area		on Tax Capacity			
107	Community			%age	Dollars	%age	Dollars		
108	Brooklyn Center	3,720	14,477,632	13.07%	22,789.902	10.38%	18,097.274	11.73%	40,887.18
109	Brooklyn Park	7,080	32,233,728	24.88%	43,374.329	23.11%	40,292.682	23.99%	83,667.02
110	Crystal	2,480	10,038,229	8.71%	15,193.268	7.20%	12,547.949	7.96%	27,741.22
111	Maple Grove	5,020	27,549,564	17.64%	30,754.115	19.75%	34,437.401	18.70%	65,191.52
112	Minneapolis	1,950	8,636,022	6.85%	11,946.319	6.19%	10,795.167	6.52%	22,741.49
113	New Hope	2,070	12,441,636	7.27%	12,681.478	8.92%	15,552.246	8.10%	28,233.72
114	Osseo	300	1,795,750	1.05%	1,837.895	1.29%	2,244.717	1.17%	4,082.61
115	Plymouth	4,380	24,780,060	15.39%	26,833.271	17.77%	30,975.476	16.58%	57,808.75
116	Robbinsdale	1,460	7,529,573	5.13%	8,944.424	5.40%	9,412.088	5.26%	18,356.51
117	Total	28,460	139,482,194	100%	174,355	100%	174,355	100%	348,710

West Mississippi Watershed Management Commission - Proposed 2018 Budget

	A	B	C	D	L	M	N	Q	R	S
1					2015 Budget	2015 per Audit Report	2016 Budget	2016 pre-audit	2017 Budget	Proposed 2018 Budget
2	REVENUE						4M Fund Balance at 12/31/2016 = \$414,969			
3	31001	Application Fees			6,000	14,500	18,000	18,100	18,000	20,000.00
4	30001	Assessments			135,700	135,700	135,700	135,700	145,000	150,000.00
5	32001	Interest & Dividend Income			50	65	60	2,505	65	500.00
6		CIP Assessments				50,108				
7		From Reserve - Special Monitoring								
8		From Reserve - BMP Assessment Mill Pond Stream Stabilization				1,020				
9		From Reserve			21,800		23,740		11,535	13,000.00
10							Subtotal	156,305		183,500.00
11			To (from) Grants							
12			To (from) CIPs					50,025		
13				Total	163,550	201,393	177,500	206,330	174,600	183,500
14	EXPENSES									
15		ADMINISTRATION								
16	53001		Administrative Services		28,000	29,453	30,000	29,792	31,000	31,000.00
18	53004		Engineering Support		4,000	4,077	3,500	2,693	4,500	4,000.00
19	53002		Project Reviews/WCA		1,000	819	1,000	771	1,000	1,000.00
20			Third Generation Plan/Amendments			1,089				
21				Subtotal	33,000	35,438	34,500	33,256	36,500	36,000
22		ENGINEERING								
23	51001		Administration		20,000	28,716	21,500	24,224	25,000	30,000.00
24	51005		Grant Application Writing		1,500	1,738	1,500		1,500	1,500.00
25	53002		Project Reviews/WCA		12,000	24,731	20,000	23,867	23,000	25,000.00
27			Blue Line Extension		3,405	3,405	6,595	4,268		2,000.00
28			Third Generation Plan			526				
29				Subtotal	33,500	59,116	49,595	52,359	49,500	58,500
30		LEGAL								
31	52001		Legal Services		5,000	4,975	5,000	4,383	5,000	5,000.00
32				Subtotal	5,000	4,975	5,000	4,383	5,000	5,000
33		MISCELLANEOUS								
34	54002		Bookkeeping		3,000	1,734	2,500	2,335	2,500	2,700.00
35	54003		Audit		5,000	4,500	5,000	4,500	5,000	5,000.00
36	54099		Contingency		1,500					
37	54004		Insurance & Bonding		2,000	1,348	2,800	2,525	2,300	2,800.00
38	54001		Meeting Expense		1,600	1,585	1,700	1,400	1,800	2,000.00
39				Subtotal	13,100	9,167	12,000	10,760	11,600	12,500
40		PROGRAMS								
41			Monitoring Program		15,000	14,691	17,000	15,145	17,000	17,000.00
42	56001		Macroinvertebrate Monitoring		1,000	1,000	1,000		1,000	1,000.00
43	56006		Vol Wetland Monitoring		2,000	2,000	2,000	2,000	2,000	2,000.00
44	58002		Annual Water Quality Report		5,000	5,098	6,000	5,834	6,000	6,000.00
45				Subtotal	23,000	22,789	26,000	22,979	26,000.00	26,000
46			Water Quality Education							
47	57008		WM Education Program		15,000	16,229	14,000	12,786	15,000	15,000.00
49	57010		WMWA Admin/Technical		3,750	3,750	4,000	3,750	4,000	4,000.00
50	57008		WMWA Implementation Activities		1,500	1,500	1,500	1,500	1,500	2,000.00
51	57013		WMWA Educator Program		4,500	4,500	4,500	4,500	4,500	4,500.00
52	57002		Rain Garden Workshops		3,000	1,700	3,000	2,114	2,000	2,000.00
53	57007		Education Grants		2,000	0	2,000		2,000	2,000.00
54				Subtotal	29,750	27,679	29,000	24,650	29,000	29,500
55		MANAGEMENT PLANS								
56			Third Genera Management Plan/Amendme		1,200		3,000		2,000	1,000.00
57			Intensive BMP Implementation		OUT					
58			Subwatershed BMP Assessments		20,000	2,357	20,000		10,000	10,000.00
59				Subtotal	21,200	2,357	23,000	0	12,000	11,000
60										
61			Cost share Retrofit CIP			399				
62			Mill Pond Stream Stabilization							
63	59001		Construction/Matching Grant Fund		5,000		5,000		5,000	5,000.00
64			Contribution to 4th Genera Mgmt Plan		0					
65		To (From) Reserves								
66				Subtotal	5,000	399	5,000	0	5,000	5,000
67							Subtotal	148,387		
68			To Management Plans					689		
69			To (from) Grants							
70			To (from) CIPs					264		
71										
72				Total Operating Expense	163,550	161,920	184,095	149,340	174,600	183,500
73							4M Fund Balance at 12/31/2017 = \$414,969 +/- CIPs/Grants			

West Mississippi  
Proposed 2018 Member Assessments

2016			Cost Allocation		Cost Based			
		2015 Tax	Based on Area		on Tax Capacity		Total Cost	
Community	Acreage	Capacity	%age	Dollars	%age	Dollars	%age	Dollars
Brooklyn Center	1,660	5,953,987	10.46%	7,097	10.85%	7,362	10.66%	14,459
Brooklyn Park	9,880	32,049,040	62.26%	42,241	58.42%	39,641	60.34%	81,882
Champlin	3,620	13,957,936	22.81%	15,477	25.44%	17,262	24.13%	32,739
Maple Grove	530	2,170,128	3.34%	2,266	3.96%	2,682	3.65%	4,948
Osseo	180	725,279	1.13%	769	1.33%	902	1.23%	1,670
Totals	15,870	54,856,370	100.00%	67,850	100.00%	67,850	100.00%	135,700
2017			Cost Allocation		Cost Based			
		2016 Tax	Based on Area		on Tax Capacity		Total Cost	
Community	Acreage	Capacity	%age	Dollars	%age	Dollars	%age	Dollars
Brooklyn Center	1,660	6,407,250	10.46%	7,097	10.73%	7,283	10.60%	14,381
Brooklyn Park	9,880	35,443,169	62.26%	42,241	59.38%	40,290	60.82%	82,531
Champlin	3,620	14,578,151	22.81%	15,477	24.42%	16,572	23.62%	32,049
Maple Grove	530	2,371,486	3.34%	2,266	3.97%	2,696	3.66%	4,962
Osseo	180	887,464	1.13%	769	1.49%	1,009	1.31%	1,778
Totals	15,870	59,687,520	100.00%	67,850	100.00%	67,850	100.00%	135,700
2018			Cost Allocation		Cost Based		Total Cost	
Community	Acreage	2016 Tax Capacity	Based on Area		on Tax Capacity			
			%age	Dollars	%age	Dollars	%age	Dollars
Brooklyn Center	1,660	6,820,682	10.46%	7,097	10.53%	7,143	10.49%	14,241
Brooklyn Park	9,880	38,593,631	62.26%	42,241	59.57%	40,420	60.91%	82,661
Champlin	3,620	15,846,207	22.81%	15,477	24.46%	16,596	23.64%	32,073
Maple Grove	530	2,414,514	3.34%	2,266	3.73%	2,529	3.53%	4,795
Osseo	180	1,108,861	1.13%	769	1.71%	1,161	1.42%	1,931
Totals	15,870	64,783,895	100.00%	67,850	100.00%	67,850	100.00%	135,700
2018 Proposed			Cost Allocation		Cost Based		Total Cost	
Community	Acreage	2016 Tax Capacity	Based on Area		on Tax Capacity			
			%age	Dollars	%age	Dollars	%age	Dollars
Brooklyn Center	1,660	6,820,682	10.46%	7,583	10.53%	7,633	10.49%	15,217
Brooklyn Park	9,880	38,593,631	62.26%	45,135	59.57%	43,190	60.91%	88,326
Champlin	3,620	15,846,207	22.81%	16,537	24.46%	17,734	23.64%	34,271
Maple Grove	530	2,414,514	3.34%	2,421	3.73%	2,702	3.53%	5,123
Osseo	180	1,108,861	1.13%	821	1.71%	1,241	1.42%	2,063
Totals	15,870	64,783,895	100.00%	72,500	100.00%	72,500	100.00%	145,000
2018 ALLOWABLE			Cost Allocation		Cost Based		Total Cost	
Community	Acreage	2016 Tax Capacity	Based on Area		on Tax Capacity			
			%age	Dollars	%age	Dollars	%age	Dollars
Brooklyn Center	1,660	6,820,682	10.46%	8,291	10.53%	8,345	10.49%	16,636
Brooklyn Park	9,880	38,593,631	62.26%	49,347	59.57%	47,220	60.91%	96,568
Champlin	3,620	15,846,207	22.81%	18,081	24.46%	19,388	23.64%	37,469
Maple Grove	530	2,414,514	3.34%	2,647	3.73%	2,954	3.53%	5,601
Osseo	180	1,108,861	1.13%	898	1.71%	1,357	1.42%	2,256
Totals	15,870	64,783,895	100.00%	79,265	100.00%	79,265	100.00%	158,530

Legal Notice  
NOTICE OF PUBLIC MEETING

SHINGLE CREEK WATERSHED MANAGEMENT COMMISSION  
WEST MISSISSIPPI WATERSHED MANAGEMENT COMMISSION

TO WHOM IT MAY CONCERN:

Notice is hereby given that the Shingle Creek Watershed Management Commission and the West Mississippi Watershed Management Commission will meet at Lancer at Edinburgh, 8700 Edinbrook Crossing, Brooklyn Park, MN, on Thursday, May 11, 2017, at approximately 12:45 p.m., or as soon thereafter as the matter may be heard, for a public meeting on a proposed management plan minor amendment.

In the Shingle Creek watershed the 2017 CIP would add a second phase to the Shingle Creek Reaeration Project in 2017 at a project cost / Commission contribution of \$145,000; and would add specificity of description to the Shingle or Bass Creek project, now known as the Palmer Creek Estates Bass Creek Stream Restoration, in 2021 at a project cost of \$450,000 and a Commission contribution of \$337,500. Three other projects would be moved to future years.

In the West Mississippi watershed the 2017 CIP would be revised to move three projects to future years.

The Shingle Creek watershed includes parts of the cities of Brooklyn Center, Brooklyn Park, Crystal, Maple Grove, Minneapolis, New Hope, Osseo, Plymouth and Robbinsdale. The West Mississippi watershed includes parts of the cities of Brooklyn Center, Brooklyn Park, Champlin, Maple Grove and Osseo.

Persons who desire to be heard with reference to the proposed amendment will be heard at this meeting. Written comments may be submitted to the chairs of the Shingle Creek and West Mississippi Commissions, c/o JASS, 3235 Fernbrook Lane, Plymouth, MN 55447, or emailed to [judie@jass.biz](mailto:judie@jass.biz). Auxiliary aids for persons with handicaps are available upon request at least seven days in advance. Please contact Judie Anderson at 763-553-1144 to make arrangements.

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/s/ Andy Polzin, Chair  
Shingle Creek Watershed Management Commission

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/s/ Gerry Butcher, Chair  
West Mississippi Watershed Management Commission

By order of the Shingle Creek Watershed Management Commission  
and the West Mississippi Watershed Management Commission

#####

**Notice of Minor Plan Amendment**  
**Shingle Creek and West Mississippi Watershed Management Commissions**

The Shingle Creek and West Mississippi Watershed Management Commissions propose to amend their joint *Third Generation Watershed Management Plan* to adopt a revision to the Capital Improvement Program (CIP). This revision adds a second phase to an existing project and adds specificity of description to a second project on the CIP.

The proposed minor plan revision is shown as additions (underlined) or deletions (~~strike-outs~~) to Table 4.5, Shingle Creek WMC Third Generation Plan Implementation Plan, and Appendix F, CIP Descriptions, of the Management Plan.

**Table 4.5. The Shingle Creek WMC Third Generation Plan Implementation Plan is hereby revised as follows:**

Action	2017	2018	2019	2020	2021
<u>Shingle Creek Reaeration Project Phase 2</u>	<u>145,000</u>				
<u>Commission Contribution</u>	<u>145,000</u>				
<u>Local Contribution</u>	<u>0</u>				
<u>Plymouth Palmer Creek Estates Bass Creek Restoration</u>					<u>450,000</u>
<u>Commission Contribution</u>					<u>337,500</u>
<u>Local Contribution</u>					<u>112,500</u>

**Appendix F, CIP Descriptions is hereby revised as follows:**

Shingle Creek Reaeration Project Phase 2

The overall project is the design, fabrication and installation of mechanical or passive stream reaeration structures that are artistic in design and appearance and practical in function. These structures are being installed in three locations in public parks on Shingle Creek where TMDL modeling determined that traditional stream roughness reaeration structures such as riffles or vanes would not be sufficient to increase dissolved oxygen above the aquatic life standard. This phase of the project would add solar power energy sources to power the mechanical aspects of the systems and to increase the ad valorem tax levy share to 100%.

<u>Funding Options</u> <u>Shingle Creek Reaeration</u>	<u>Ad Valorem Tax Levy</u> <u>(Commission Share)</u>	<u>City Apportionment</u> <u>(Cities' Share)</u>	<u>Total Estimated</u> <u>Project Cost</u>
<u>1 - Cost Share</u>	<u>\$36,250</u>	<u>\$108,750</u>	<u>\$145,000</u>
<u>2 – Ad Valorem Tax Levy</u>	<u>\$145,000</u>	<u>\$0</u>	<u>\$145,000</u>
<u>3 – City Apportionment</u>	<u>\$0</u>	<u>\$145,000</u>	<u>\$145,000</u>

Palmer Creek Estates Bass Creek Stream Restoration

This project is proposed to restore approximately 1250 linear feet of streambank along Upper Bass Creek/drainageway within the Palmer Creek Estates subdivision. Erosion is causing drainage to leave the existing easement and is contributing nutrients to downstream Bass Lake, a state listed impaired water. This proposed stream restoration would repair erosion, ensure drainage is within designated easements, and would reduce nutrient loading to Bass Lake.

<u>Funding Options Retrofit Projects</u>	<u>Ad Valorem Tax Levy (Commission Share)</u>	<u>City Apportionment (Cities' Share)</u>	<u>Total Estimated Project Cost</u>
<u>1 - Cost Share</u>	<u>\$112,500</u>	<u>\$337,500</u>	<u>\$450,000</u>
<u>2 – Ad Valorem Tax Levy</u>	<u>\$450,000</u>	<u>\$0</u>	<u>\$450,000</u>
<u>3 – City Apportionment</u>	<u>\$0</u>	<u>\$450,000</u>	<u>\$450,000</u>

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