

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
MANAGEMENT PLANS										
Water Quality Plan	\$12,500									
Shingle Creek Corridor Plan		\$40,000								
Lake Management Plans			\$20,000		\$15,000					
Phase II Stream Assessment				\$20,000						
Wetland Management Plan						\$20,000				
Evaluate Creek 100 Year Elev							\$20,000			
3 rd Generation Plan										\$125,000
CAPITAL PROJECTS										
Shingle Creek Restoration, BBldv to Candlewood			\$750,000							
New Hope-Wincrest Pond					\$290,000					
Maple Grove Pond P51					\$1,459,000					
Crystal Lake Water Quality						\$400,000				
Maple Grove Pond P57						\$648,000				
Twin Lake Wetland 639W Impr						\$690,000				
New Hope 45 th Ave Pond							\$550,000			
Shingle Creek Restoration, CR 10 to I 694							\$430,000			
Maple Grove Pond P33							\$574,000			
Maple Grove Pond P55							\$855,000			
<i>Subtotal, Commission Contribution</i>			\$75,000		\$322,500	\$434,500	\$496,125			
<i>Subtotal, City Contribution</i>			\$675,000		\$1,426,500	\$1,303,500	\$1,912,875			
<i>Total Capital Projects</i>			\$750,000		\$1,749,000	\$1,738,000	\$2,409,000			

Note: Subtotals assume Funding Option 1. See project descriptions below for funding source detail.

CIP Projects and Funding

Projects proposed for the Interim CIP are described below. It is the current intent of the Commissions to finance these projects using Funding Option 1, the revised Cost Share Policy. However, in the event cities are unable to agree on how to share the City Apportionment, or for some other reason the Commission determines that it is infeasible to go forward using Option 1, then the Commission, as authorized in the Joint Powers Agreement, may go forward using Option 2 or Option 3 as described below.

Option 1 - Cost Share Policy

For capital projects that have been identified in a Commission-adopted or approved TMDL or management plan:

1. The Commission's share should be 25 percent of the cost of the project, to a maximum share of \$250,000.
2. The Commission's share should be funded through the ad valorem tax method – spread across all taxpayers within the watershed.
3. The Commission should use a maximum annual levy of \$500,000 as a working guideline.
4. The cities' share should be 75 percent of the cost of the project. This would be apportioned to the cities as follows, or in some other manner acceptable to them:
 - a. The area directly benefiting from the project should be apportioned 25 percent of the cost of the project. This would be apportioned to cities based on, for example, proportion of lake or stream frontage.
 - b. Fifty percent of the cost of the project should be apportioned based on contributing/benefiting area. The basis of this apportionment would likely be unique to each project.
5. The cities can each decide the funding mechanism that is best suited to them for payment of their share, for example through special assessments, storm drainage utility, general tax levy, or watershed management tax district.

Option 2 - 100 Percent Ad Valorem Tax Levy

Under the authority provided by Minn Stat 103B.251 Section VIII, Subd. 5, the Commissions have the authority to certify for payment by the county all or part of the cost of an approved capital improvement. The JPA provides that if cities are unable to come to a cost sharing agreement, then the Commission may order the project by funding 100 percent of the project cost from the Hennepin County ad valorem tax levy.

Option 3 – 100 percent Apportionment to Cities

Projects may also be 100 percent funded by cities. The JPA provides two alternates: projects may be funded through a negotiated cost share between cities having land in the affected subwatershed. Or, projects may be funded by apportioning the cost of the project across all the cities in the watershed using the same 50% land area / 50% tax capacity formula as the general assessments to cities. The latter may be amended by the Commission if it is clear that one or more of the cities receive a special benefit from the project.

2007 Projects

New Hope Wincrest Pond

This project includes expansion of an existing pond located between Winnetka Avenue and Sumter Avenue, north of the Wincrest Apartments into a two-cell pond system. The purpose of the project is to increase both the water quality treatment volume and flood storage volume of the existing pond. Stormwater treatment efficiency will be increased, and periodic overtopping that now causes erosion will be eliminated. The area treated by this pond drains to Upper Twin Lake. The TMDL for that lake requires phosphorus load to be reduced through retrofitting the subwatershed with additional treatment.

Funding Options New Hope Wincrest Pond	Ad Valorem Tax Levy (Commission Share)	City Apportionment (Cities' Share)	Total Estimated Project Cost
1 - Revised Cost Share Policy	\$72,500	\$217,500	\$290,000
2 – Ad Valorem Tax Levy	\$290,000	\$0	\$290,000
3 – City Apportionment	\$0	\$290,000	\$290,000

Maple Grove Pond P51

Maple Grove plans to construct a series of regional ponds to provide pollutant load reduction, volume and peak rate attenuation, and infiltration to meet Commission standards. This pond would serve 312 acres of new development in the Arbor Lakes area of Maple Grove. The proposed project would upsize the pond to provide treatment beyond the minimum required by Commission standards and would provide an estimated additional 94 pounds of annual phosphorus load reduction as well as reduction of other pollutants. The project cost here is the additional cost to upsize the pond to achieve greater pollutant removal.

Funding Options Maple Grove Pond P51	Ad Valorem Tax Levy (Commission Share)	City Apportionment (Cities' Share)	Total Estimated Project Cost
1 - Revised Cost Share Policy	\$250,000	\$1,209,000	\$1,459,000
2 – Ad Valorem Tax Levy	\$1,459,000	\$0	\$1,459,000
3 – City Apportionment	\$0	\$1,459,000	\$1,459,000

2008 Projects

Robbinsdale Crystal Lake Water Quality Improvements

The project involves the construction of infrastructure that would enable the withdrawal of hypolimnetic water from the lake, and its pumping to an upstream point for flow back through a series of vegetated ponds prior to re-entry into the lake. The purpose is to reduce high internal phosphorus loading of the lake by withdrawal of phosphorus-rich hypolimnetic water, resulting in the prevention of excessive algal blooms and improvement in water quality. This project is in the Initial TMDL Management Recommendations for Crystal Lake.

Funding Options Crystal Lake Water Quality Improvements	Ad Valorem Tax Levy (Commission Share)	City Apportionment (Cities' Share)	Total Estimated Project Cost
1 - Revised Cost Share Policy	\$100,000	\$300,000	\$400,000
2 - Ad Valorem Tax Levy	\$400,000	\$0	\$400,000
3 - City Apportionment	\$0	\$400,000	\$400,000

Maple Grove Pond P57

Maple Grove plans to construct a series of regional ponds to provide pollutant load reduction, volume and peak rate attenuation, and infiltration to meet Commission standards. This pond would serve 93 acres of new development in the Arbor Lakes area of Maple Grove. The proposed project would upsize the pond to provide treatment beyond the minimum required by Commission standards and would provide an estimated additional 14 pounds of annual phosphorus load reduction as well as reduction of other pollutants. The project cost here is the additional cost to upsize the pond to achieve greater pollutant removal.

Funding Options Maple Grove Pond P57	Ad Valorem Tax Levy (Commission Share)	City Apportionment (Cities' Share)	Total Estimated Project Cost
1 - Revised Cost Share Policy	\$162,000	\$486,000	\$648,000
2 - Ad Valorem Tax Levy	\$648,000	\$0	\$648,000
3 - City Apportionment	\$0	\$648,000	\$648,000

Twin Lake Wetland 639W Improvements

The Twin Lake Management Plan and TMDL both identified restoration of this wetland as key to reducing subwatershed phosphorus loading to Upper Twin Lake. The wetland is located north of Upper Twin Lake in Brooklyn Center and Crystal; a majority of the wetland is located on property owned by the Metropolitan Airports Commission and is commonly referred to as the MAC Nature Preserve. Three alternatives for achieving this reduction have been identified: 1) partial diversion of flow around the wetland; 2) dechannelization and increased storage within the wetland; and 3) an alum ferric chloride treatment system. The initial project phase will be the completion of a feasibility study to determine the most appropriate and cost effective option for achieving the desired phosphorus load reduction, followed by construction of the recommended solution.

Funding Options Twin Lake Wetland 639W	Ad Valorem Tax Levy (Commission Share)	City Apportionment (Cities' Share)	Total Estimated Project Cost
1 - Revised Cost Share Policy	\$172,500	\$517,500	\$690,000
2 - Ad Valorem Tax Levy	\$690,000	\$0	\$690,000
3 - City Apportionment	\$0	\$690,000	\$690,000

2009 Projects

New Hope 45th Avenue Pond

The project would convert an existing dry pond on 45th Avenue between Winnetka and Xylon Avenues to a wet pond to provide phosphorus removal from an 80 acre subwatershed. The purpose of the project is to reduce pollutant loading to downstream water bodies. This subwatershed drains to the Crystal Memory Lane Pond system, which ultimately discharges to Lower Twin Lake. Increasing the size of the pond will also provide additional flood storage for the subwatershed. The TMDL for the Twin Lake system requires phosphorus loads to be reduced through retrofitting the subwatershed with additional treatment.

Funding Options New Hope 45 th Ave Pond	Ad Valorem Tax Levy (Commission Share)	City Apportionment (Cities' Share)	Total Estimated Project Cost
1 - Revised Cost Share Policy	\$137,500	\$412,500	\$550,000
2 – Ad Valorem Tax Levy	\$550,000	\$0	\$550,000
3 – City Apportionment	\$0	\$550,000	\$550,000

Shingle Creek Restoration, CR 10 to I694

The project would construct stream corridor improvements on Shingle Creek as recommended by the Shingle Creek Corridor Study and as anticipated will be recommended improvements in the Shingle Creek dissolved oxygen and impaired biotic TMDLs to be completed in 2007. The reach to be improved is from County Road 10 to Interstate Highway 94/694. The following improvements are proposed: streambank stabilization in eroding areas; removal of select trees to reduce canopy density; establishing or enhancing buffer vegetation; and installation of rock vanes and varied substrates.

Funding Options Shingle Creek Restoration, CR 10 to I694	Ad Valorem Tax Levy (Commission Share)	City Apportionment (Cities' Share)	Total Estimated Project Cost
1 - Revised Cost Share Policy	\$107,500	\$322,500	\$430,000
2 – Ad Valorem Tax Levy	\$430,000	\$0	\$430,000
3 – City Apportionment	\$0	\$430,000	\$430,000

Maple Grove Pond P33

Maple Grove plans to construct a series of regional ponds to provide pollutant load reduction, volume and peak rate attenuation, and infiltration to meet Commission standards. This pond would serve 123 acres of new development in the Arbor Lakes area of Maple Grove. The proposed project would upsize the pond to provide treatment beyond the minimum required by Commission standards and would provide an estimated additional 17 pounds of annual phosphorus load reduction as well as reduction of other pollutants. The project cost here is the additional cost to upsize the pond to achieve greater pollutant removal.

Funding Options Maple Grove Pond P33	Ad Valorem Tax Levy (Commission Share)	City Apportionment (Cities' Share)	Total Estimated Project Cost
1 - Revised Cost Share Policy	\$143,500	\$430,500	\$574,000
2 - Ad Valorem Tax Levy	\$574,000	\$0	\$574,000
3 - City Apportionment	\$0	\$574,000	\$574,000

Maple Grove Pond P55

Maple Grove plans to construct a series of regional ponds to provide pollutant load reduction, volume and peak rate attenuation, and infiltration to meet Commission standards. This pond would serve 96 acres of new development in the Arbor Lakes area of Maple Grove. The proposed project would upsize the pond to provide treatment beyond the minimum required by Commission standards and would provide an estimated additional 25 pounds of annual phosphorus load reduction as well as reduction of other pollutants. The project cost here is the additional cost to upsize the pond to achieve greater pollutant removal.

Funding Options Maple Grove Pond P55	Ad Valorem Tax Levy (Commission Share)	City Apportionment (Cities' Share)	Total Estimated Project Cost
1 - Revised Cost Share Policy	\$107,625	\$747,375	\$855,000
2 - Ad Valorem Tax Levy	\$855,000	\$0	\$855,000
3 - City Apportionment	\$0	\$855,000	\$855,000

Table G-3
Approved Budgets 2003-2006 and Estimated Budgets 2007-2012
(Assumes 3% Annual Increases)

		Approved 2003	Approved 2004	Approved 2005	Approved 2006	Proposed 2007	Additional 2007
1	Application fees	\$20,000	\$24,000	\$24,000	\$24,000	\$24,000	\$0
2	Wetland reviews						
3	Interest income	10,000	2,000	2,000	1,800	3,000	
4	Contribution to Reserve	(7,300)					
5	Contribution from Reserve	51,920	43,250	26,750	12,550		
6	TMDL Grants	90,950	105,339	5,000	65,000	200,000	
7	Other Grants		20,000				
8	Assessment	324,000	338,950	361,140	386,850	411,500	1,050
9	Assessment above cap						17,050
10	Ad valorem						
	TOTAL REVENUE	\$489,570	\$533,539	\$418,890	\$490,200	\$638,500	\$18,100
	OPERATIONS						
	<i>Administration:</i>						
11	Administrative Services	\$70,000	\$70,000	\$71,400	\$84,500	\$87,700	
12	Engineering Support	11,500	11,500	11,730			
	<i>Engineering:</i>						
13	Administration	63,000	63,000	64,260	65,200	58,600	
14	Management Plan	10,000	10,000	10,200	10,200	10,000	
15	Grant Writing	10,000	10,000	10,200	10,200	8,500	
16	TMDL/CIP Engineering					8,000	
17	Field Inspection		5,000				
	<i>Legal:</i>						
18	Legal Services	25,920	20,000	20,400	20,500	20,500	
	<i>Project Reviews:</i>						
19	Engineering	48,000	48,000	48,960	49,000	52,500	
20	Administration	7,000	7,000	7,140	7,300	7,450	
	<i>Miscellaneous:</i>						
21	Bookkeeping	4,000	4,000	4,080	4,150	4,250	
22	Audit	3,000	3,000	3,000	10,000	10,000	
23	Contingency	7,500	8,500	6,500	6,000	6,500	
24	Insurance & Bonding	5,000	5,000	5,000	5,000	5,600	
25	Meeting Expense	3,700	3,700	3,770	3,850	4,000	
	SUBTOTAL OPERATIONS	\$268,620	\$268,700	\$266,640	\$275,900	\$283,600	\$0
	MONITORING AND INFO GATHERING						
26	Commission stream monitoring	\$22,500	\$30,000	\$35,000	\$35,000	\$38,800	\$0
27	USGS site monitoring				2,800	3,200	
28	Chloride TMDL annual report						5,000
29	Volunteer lake monitoring	7,000	7,000	6,500	6,500	6,500	
30	Volunteer stream monitoring	5,000	5,000	5,000	4,000	4,000	
31	Volunteer wetland monitoring	5,000					4,000
32	Volunteer aquatic plant monitoring						2,100
	SUBTOTAL MONITORING	\$39,500	\$42,000	\$46,500	\$48,300	\$52,500	\$11,100

		Approved 2003	Approved 2004	Approved 2005	Approved 2006	Proposed 2007	Additional 2007
	EDUCATION AND PUBLIC OUTREACH						
33	Education Program	\$30,000	\$30,000	\$34,000	\$50,000	\$51,400	\$0
34	Web site	10,000	7,500	6,750			
35	NPDES	13,000	5,000	5,000			
36	Education and Impl Grants	5,000	5,000	5,000	6,000	6,000	6,000
37	Chloride TMDL annual workshop						1,000
	<i>SUBTOTAL EDUCATION</i>	\$58,000	\$47,500	\$50,750	\$56,000	\$57,400	\$7,000
	MANAGEMENT PLANS						
	<i>TMDLs:</i>						
38	Shingle Cr Chloride	\$90,950	\$20,000	\$5,000			
39	Lakes Phase I		85,339				
40	Lakes Phase II				65,000		
41	Shingle Cr DO/Biotic Integrity					200,000	
	<i>Management plans:</i>						
42	Water Quality Plan	12,500					
43	Shingle Creek corridor study		40,000				
44	Chloride/lake phase I TMDL impl plan			20,000			
45	Stream assessment phase II				20,000		
46	Lake phase II TMDL impl plan					15,000	
47	Future Wetland Mgmt Plan					5,000	
	<i>SUBTOTAL MGMT PLANS</i>	\$103,450	\$145,339	\$ 25,000	\$ 85,000	\$220,000	\$ -
48	Contribution to constr/grant match	20,000	30,000	30,000	25,000	25,000	
	TOTAL OPERATING EXPENSE	\$489,570	\$533,539	\$418,890	\$490,200	\$638,500	\$18,100

		Estimated 2008	Estimated 2009	Estimated 2010	Estimated 2011	Estimated 2012
1	Application fees	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
2	Wetland reviews					
3	Interest income	3,000	3,000	3,000	3,000	3,000
4	Contribution to Reserve					
5	Contribution from Reserve					
6	TMDL Grants					
7	Other Grants					
8	Assessment	423,850	436,570	449,670	463,160	477,050
9	Assessment above cap	8,090	7,500	8,150	2,970	100,000
10	Ad valorem					
	TOTAL REVENUE	\$464,940	\$472,070	\$485,820	\$494,130	\$605,050
	OPERATIONS					
	<i>Administration:</i>					
11	Administrative Services	\$90,330	\$93,040	\$95,830	\$98,700	\$101,660
12	Engineering Support (incl above)					
	<i>Engineering:</i>					
13	Administration	\$60,360	\$62,170	\$64,040	\$65,960	\$67,940
14	Management Plan	10,300	10,000	10,000	10,000	

		Estimated 2008	Estimated 2009	Estimated 2010	Estimated 2011	Estimated 2012
15	Grant Writing	8,760	9,020	9,290	9,570	9,860
16	TMDL/CIP Engineering	\$8,240	\$8,490	\$8,740	\$9,000	\$9,270
17	Field Inspection					
	<i>Legal:</i>					
18	Legal Services	\$21,120	\$21,750	\$22,400	\$23,070	\$23,760
	<i>Project Reviews:</i>					
19	Engineering	\$54,080	\$55,700	\$57,370	\$59,090	\$60,860
20	Administration	7,670	7,900	8,140	8,380	8,630
	<i>Miscellaneous:</i>					
21	Bookkeeping	\$4,380	\$4,510	\$4,650	\$4,790	\$4,930
22	Audit	10,000	10,000	10,000	10,000	10,000
23	Contingency	6,500	6,500	6,500	6,500	6,500
24	Insurance & Bonding	5,600	5,600	5,600	5,750	5,750
25	Meeting Expense	4,000	4,000	4,000	4,100	4,100
	SUBTOTAL OPERATIONS	\$291,340	\$298,680	\$306,560	\$314,910	\$313,260
	MONITORING AND INFO GATHERING					
26	Commission stream monitoring	\$39,960	\$41,160	\$42,390	\$43,660	\$44,970
27	USGS site monitoring	3,200	3,200	3,200	3,200	3,200
28	Chloride TMDL annual report	5,000	5,000	5,000	5,000	5,000
29	Volunteer lake monitoring	6,500	6,500	6,500	6,500	6,500
30	Volunteer stream monitoring	4,000	4,000	4,000	4,000	5,000
31	Volunteer wetland monitoring	4,000	4,000	4,000	4,000	6,000
32	Volunteer aquatic plant monitoring		2,000		2,000	
	SUBTOTAL MONITORING	\$62,660	\$65,860	\$65,090	\$68,360	\$70,670
	EDUCATION AND PUBLIC OUTREACH					
33	Education Program	\$52,940	\$54,530	\$56,170	\$57,860	\$58,120
34	Web site (incl above)					
35	NPDES (incl above)					
36	Education and implement grants	12,000	12,000	12,000	12,000	12,000
37	Chloride TMDL annual workshop	1,000	1,000	1,000	1,000	1,000
	SUBTOTAL EDUCATION	\$65,940	\$67,530	\$69,170	\$70,860	\$71,120
	MANAGEMENT PLANS					
	<i>TMDLs:</i>					
38	None anticipated					
	<i>Management plans:</i>					
39	Commission lake monitoring		15,000		15,000	
40	Wetland Mgmt Plan	20,000				
41	Creek 100-Yr Elevation			20,000		
42	3rd Generation Plan					125,000
	SUBTOTAL MGMT PLANS	\$ 20,000	\$ 15,000	\$ 20,000	\$ 15,000	\$ 125,000
48	Contribution to constr/grant match	25,000	25,000	25,000	25,000	25,000
	TOTAL OPERATING EXPENSE	\$464,940	\$472,070	\$485,820	\$494,130	\$605,050