
SECTION V

V. IMPLEMENTATION PROGRAM / PRIORITIES

Based on the information developed in **Sections II through IV**, the Commission has developed a water resource management program that reflects the needs and concerns of the Commission, its member communities, and the residents. A prioritized listing of the studies, programs, and capital improvements that have been identified as necessary to respond to all of the water resource needs within the Commission is outlined on the following tables. The Commission will review the implementation program annually.

The studies and capital improvements identified in this section of the plan may be entirely or partially completed by the member community, the Commission, or a joint effort between the Commission and a member community. The Commission's schedule for implementing the studies, improvements, and programs is also provided on the following tables. It is the Commission's intent to complete these activities on schedule. The costs identified within these tables reflect the amount of work anticipated to complete these items. However, it is unlikely that the Commission will be able to undertake these projects within the timeline shown without securing grants or other outside funding. Should funding not be available from the local communities or grants cannot be secured, the schedule can be modified to address financial concerns.

In order to secure funding for these projects, programs, and studies, the Commission intends to undertake the following activities to secure funding:

- Encourage member communities to provide funds to the Commission for a project, study, or program listed in this Plan by agreeing to make it a high priority project if funding is available.
- Actively work to find matching grants or low interest loans for the project, study, or program. Member city money and secured grants/loans would then be used for projects, studies, or programs within the member city that provided the initial funding.
- Commission may contribute funds towards a project if deemed appropriate and reasonable by the Commission. All funding mechanisms will be in accordance with the provisions of the Joint Powers Agreement.
- Multiple cities can collaborate together to provide funds for a joint project that the Commission will then work towards finding available grants/loans.

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TABLE V-1

CAPITAL IMPROVEMENT PROJECTS

Capital Improvements						Proposed Expenses for Year						
No.	Priority	Project Description	Total Cost Estimate ¹	Estimated Cost to be Funded by Commission ¹	Potential Funding Sources ²	2003	2004	2005	2006	2007	2008 - 2012	Comments
CIP-1	High	Implement water quality project for Lake Independence based on study completed in 2002. Possible Responsible Parties: Independence, Medina, Three Rivers Park District, Commission, Lake Association	\$600,000	\$40,000	Grants, Independence, Medina, general fund, Three Rivers Park District, Lake Association			\$5,000	\$15,000	\$20,000		
CIP-2	High	Implement Lake Sarah water quality improvement projects based on Lake Sarah Project report (1997). Possible Responsible Parties: Greenfield, Independence, Commission, Lake Association	\$750,000	\$63,700	Grants, Greenfield, Independence, general fund, Lake Sarah Improvement Association	\$6,000	\$3,100	\$4,600	\$25,000	\$25,000		
CIP-3	High	Complete Little Long Lake protection projects. Possible Responsible Parties: Minnetrista, HCD, Commission	\$14,000	\$1,500	Minnetrista, DNR, general fund, HCD, AMSWCD	\$600	\$900					

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CAPITAL IMPROVEMENT PROJECTS												
Capital Improvements						Proposed Expenses for Year						
No.	Priority	Project Description	Total Cost Estimate ¹	Estimated Cost to be Funded by Commission ¹	Potential Funding Sources ²	2003	2004	2005	2006	2007	2008 - 2012	Comments
CIP-4	High	Implement water control project for Lake Sarah Possible Responsible Parties: Greenfield, Independence, Three Rivers Park District, Lake Association, Commission	\$150,000 to \$200,000	\$10,000	Grants, member cities, Lake Sarah Homeowners Association		\$5,000	\$5,000				Commission's role is to facilitate between stakeholders
CIP-5	Medium	Complete water quality improvements based on study to be completed for Lake Rebecca (Greenfield, Independence). Possible Responsible Parties: Greenfield, Independence, Three Rivers Park District, Commission	Unknown until studies are undertaken, if needed	Unknown until studies are undertaken, if needed	Local community, general fund, Three Rivers Parks							Commission's role is to facilitate between stakeholders
CIP-6	Medium	Complete water quality improvements based on study to be completed for Spurzem Lake (Medina). Possible Responsible Parties: Medina, Three Rivers Park District	Unknown until studies are undertaken, if needed	\$0	Local community, Three Rivers Parks							

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CAPITAL IMPROVEMENT PROJECTS												
Capital Improvements						Proposed Expenses for Year						
No.	Priority	Project Description	Total Cost Estimate ¹	Estimated Cost to be Funded by Commission ¹	Potential Funding Sources ²	2003	2004	2005	2006	2007	2008 - 2012	Comments
CIP-7	Medium	Complete water quality improvements based on study to be completed for Half Moon Lake (Medina). Possible Responsible Parties: Medina, Three Rivers Park District	Unknown until studies are undertaken, if needed	\$0	Local community, Three Rivers Parks							
CIP-8	Medium	Complete water quality improvements based on study to be completed for Whaletail (Minnetrista). Possible Responsible Parties: Minnetrista	Unknown until studies are undertaken, if needed	\$0	Local community							
CIP-9	Medium	Complete water quality and quantity improvements based on study to be completed for Haughey Lake (Independence). Possible Responsible Parties: Independence	Unknown until studies are undertaken, if needed	\$0	Local community							
CIP-10	Medium	Implement results of Loretto WWTF study. Costs will be based on study to be completed. Possible Responsible Parties: Loretto, Commission	\$50,000 - \$300,000	\$5,000	City of Loretto, general fund						\$5,000	Commission's role is to facilitate between stakeholders

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CAPITAL IMPROVEMENT PROJECTS												
Capital Improvements						Proposed Expenses for Year						
No.	Priority	Project Description	Total Cost Estimate ¹	Estimated Cost to be Funded by Commission ¹	Potential Funding Sources ²	2003	2004	2005	2006	2007	2008 - 2012	Comments
CIP-11	Low	Implement recommendations outlined in the report "Physical and Ecological Classification of Pioneer and Sarah Creek and their Tributaries". Possible Responsible Parties: Commission	\$250,000-\$2,000,000	\$125,000 to \$1,000,000	Grants, general fund						\$125,000 to \$1,000,000	Also to be implemented though plan review and policy implementation
CIP-12	Low	Future maintenance of stormwater basins on Loretto Creek for Lake Sarah. Possible Responsible Parties: Landowners, additional responsibility to be addressed as maintenance needs arise	Costs not expected until 2015	Costs not expected until 2015	To be determined							No easements over these basins exist. Additional responsibility to be addressed as maintenance needs arise.
				\$245,200 to \$1,120,200	TOTAL	\$6,600	\$9,000	\$14,600	\$40,000	\$45,000	\$130,000 to \$1,005,000	

1) Estimated funding level is included here for planning purposes only. Actual costs may vary greatly from estimates provided. This amount is subject to change based on future adjustments to the Joint Powers Agreement, funding and grant availability, or changes in funding levels defined by the annual budget defined by the Commission.

2) Cost share from the member communities will be based on the Joint Powers Agreement. Subsequent feasibility studies that define the benefit of the project may change the fee/cost share.

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TABLE V-2

STORMWATER MANAGEMENT PROGRAMS

Water Resources Programs						Proposed Expenses for Year						Comments
No.	Priority	Project Description	Total Cost Estimate ¹	Estimated Cost to be Funded by Commission ¹	Potential Funding Sources ²	2003	2004	2005	2006	2007	2008 - 2012	
SMP-1	High	Undertake plan review for development projects in conformance with Commission's policies and standards. Possible Responsible Parties: Commission	\$6,000 to \$20,000 annually	\$6,000 to \$20,000 annually	General fund, fees	\$6,000	\$10,000	\$17,000	\$19,000	\$20,000	\$120,000	
SMP-2	High	Undertake enforcement responsibilities when there is no local plan or community is not enforcing policies. Possible Responsible Parties: Commission	\$0 to \$20,000	\$0 to \$20,000	Member communities	\$0 to \$20,000	\$0 to \$20,000	\$0 to \$20,000	\$0 to \$20,000	\$0 to \$20,000	\$0 to \$50,000	
SMP-3	High	Undertake LGU responsibility for the Wetland Conservation Act. Possible Responsible Parties: Commission	\$7,000 to \$33,000 annually	\$7,000 to \$33,000 annually	General fund, fees	\$7,000	\$12,000	\$15,000	\$18,000	\$21,000	\$150,000	
SMP-4	High	Continue the water quality monitoring program for lakes. Possible Responsible Parties: Commission, HCD	\$3,000 to \$4,000 annually	\$3,000 to \$4,000 annually	General fund	\$3,000	\$3,000	\$3,250	\$3,500	\$3,750	\$20,000	
SMP-5	High	Develop and implement an education program for key audiences. Possible Responsible Parties: Commission	\$1,000 to \$2,000 annually	\$1,000 to \$2,000 annually	Grant, general fund, member communities	\$2,000	\$1,000	\$1,000	\$1,000	\$1,000	\$5,000	

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TABLE V-2

STORMWATER MANAGEMENT PROGRAMS

Water Resources Programs						Proposed Expenses for Year						Comments
No.	Priority	Project Description	Total Cost Estimate ¹	Estimated Cost to be Funded by Commission ¹	Potential Funding Sources ²	2003	2004	2005	2006	2007	2008 - 2012	
SMP-6	High	Develop and maintain a wetland inventory. Possible Responsible Parties: Commission, HCD	Completed	Completed								
SMP-7	High	Implement water quantity and quality monitoring program for streams. Possible Responsible Parties: Commission, HCD	\$5,200 to \$8,000 annually	\$0 (grant)	Grant	\$5,200	\$5,500	\$6,000	\$7,000	\$7,500	\$40,000	
SMP-8	Medium	Implement recommendations outlined in the report "Physical and Ecological Classification of Pioneer and Sarah Creek and their Tributaries". Possible Responsible Parties: Commission, member communities	\$500	\$500	General fund			\$500				To be accomplished through policy development with member communities
SMP-9	Medium	Provide NPDES Phase II assistance for communities, if requested. Possible Responsible Parties: Commission	\$100 to \$1,000 annually	\$100 to \$1,000 annually	Member communities		\$1,000	\$100	\$100	\$100	\$500	
SMP-10	Medium	Provide erosion control technical assistance to farmers and rural landowners who request this service. Possible Responsible Parties: Commission, HCD	\$50,000 to \$100,000	\$0 (grant)	Grants, HCD, NRCS							

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TABLE V-2												
STORMWATER MANAGEMENT PROGRAMS												
Water Resources Programs						Proposed Expenses for Year						
No.	Priority	Project Description	Total Cost Estimate ¹	Estimated Cost to be Funded by Commission ¹	Potential Funding Sources ²	2003	2004	2005	2006	2007	2008 - 2012	Comments
SMP-11	Low	Maintain erosion and sedimentation problem area list. Possible Responsible Parties: Commission, HCD	\$100 to \$500 annually	\$100 to \$500 annually	General fund	\$500	\$100	\$100	\$100	\$100	\$500	
				\$537,400 to \$687,400	TOTAL	\$23,700 to \$43,700	\$32,600 to \$52,600	\$42,950 to \$62,950	\$48,700 to \$68,700	\$53,450 to \$73,450	\$336,000 to \$386,000	

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2) Cost share from the member communities will be based on the Joint Powers Agreement. Subsequent feasibility studies that define the benefit of the project may change the fee/cost share.

SECTION V

TABLE V-3

STORMWATER MANAGEMENT STUDIES

Water Resources Studies						Proposed Expenses for Year						
No.	Priority	Project Description	Total Cost Estimate ¹	Estimated Cost to be Funded by Commission ¹	Potential Funding Sources ²	2003	2004	2005	2006	2007	2008 - 2012	Comments
SMS-1	High	Develop water quality goals for specific water bodies within the watershed and prioritize. Possible Responsible Parties: Commission, HCD	\$6,000	\$6,000	General fund	\$2,000	\$4,000					
SMS-2	High	Develop "Developer's Guidelines" handout for developers within the watershed. Possible Responsible Parties: Commission, HCD	\$200	\$200	General fund	\$200						
SMS-3	High	Develop wetland, lake, and stream buffer standards. Possible Responsible Parties: Commission, HCD	\$5,000	\$2,500 - \$5000	General Fund, local communities		\$2,500					
SMS-4	High	Establish setback, fencing, and other standards for livestock operations located on or near wetlands, lakes, or streams. Possible Responsible Parties: Commission, HCD, Task Force	\$2,000	\$2,000	General Fund, local communities		\$2,000					

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STORMWATER MANAGEMENT STUDIES												
Water Resources Studies						Proposed Expenses for Year						
No.	Priority	Project Description	Total Cost Estimate ¹	Estimated Cost to be Funded by Commission ¹	Potential Funding Sources ²	2003	2004	2005	2006	2007	2008 - 2012	Comments
SMS-5	High	Complete study on high water elevations on Lake Sarah. Possible Responsible Parties: Greenfield, Independence, Commission	\$3,000	\$0	Grants, Lake Sarah Improvement Assoc., member communities							
SMS-6	High	Complete rate and volume control study of culverts at railroad and County Line Road between Independence and Delano. Possible Responsible Parties: Independence, Delano. Commission to facilitate	\$10,000-\$20,000	\$5,000	Grant, local communities			\$5,000				
SMS-7	High	Develop wellhead protection zone map based on local wellhead protection plans Possible Responsible Parties: Commission	\$500	\$500	General fund			\$500				

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STORMWATER MANAGEMENT STUDIES												
Water Resources Studies						Proposed Expenses for Year						
No.	Priority	Project Description	Total Cost Estimate ¹	Estimated Cost to be Funded by Commission ¹	Potential Funding Sources ²	2003	2004	2005	2006	2007	2008 - 2012	Comments
SMS-8	Medium	Develop Lake Management Plans. Possible Responsible Parties: Commission, HCD, Lake Associations, Three Rivers Park District	\$30,000 per lake	\$40,000	General fund, Lake Association, Community, grants			\$10,000	\$10,000	\$10,000	\$10,000	
SMS-9	Medium	Review local stormwater management plans for conformance w/ Watershed Plan. Possible Responsible Parties: Commission	\$1,000 to \$3,000 per community	\$6,000	General fund, communities			\$3,000	\$3,000			
SMS-10	Medium	Complete study on causes and solutions to address Loretto WWTF water quality/quantity impacts. Possible Responsible Parties: Loretto, Commission	\$10,000-\$30,000	\$5,000	Loretto, General Fund					\$5,000		for phosphorus monitoring

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STORMWATER MANAGEMENT STUDIES												
Water Resources Studies						Proposed Expenses for Year						
No.	Priority	Project Description	Total Cost Estimate ¹	Estimated Cost to be Funded by Commission ¹	Potential Funding Sources ²	2003	2004	2005	2006	2007	2008 - 2012	Comments
SMS-11	Medium	Consider completing a functions and values assessment of the wetlands within the watershed if directed to do so by member communities (Commission may or may not undertake this activity). Possible Responsible Parties: Commission and/or local community	\$240,000 (estimates \$40,000 per city)	\$60,000 (estimates Commission will fund 1/4 of cost)	Grant, local communities, general fund				\$30,000	\$30,000		
SMS-12	Medium	Update flood studies within the watershed. Possible Responsible Parties: Commission, local communities	\$50,000 to \$100,000	\$50,000 to \$100,000	Local communities, general fund						\$50,000 to \$100,000	
SMS-13	Medium	Develop model ordinance to address erosion caused by agricultural activities. Possible Responsible Parties: Commission, HCD	\$5,000	\$5,000	General fund			\$5,000				

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STORMWATER MANAGEMENT STUDIES												
Water Resources Studies						Proposed Expenses for Year						
No.	Priority	Project Description	Total Cost Estimate ¹	Estimated Cost to be Funded by Commission ¹	Potential Funding Sources ²	2003	2004	2005	2006	2007	2008 - 2012	Comments
SMS-14	Low	Conduct infiltration study within watershed to determine feasibility and effectiveness of infiltration practices. Possible Responsible Parties: Commission	\$10,000-\$40,000	\$10,000 to \$40,000	Grant, general fund						\$10,000 to \$40,000	
				\$192,200 to \$272,200	TOTAL	\$2,200	\$8,500	\$23,500	\$43,000	\$45,000	\$70,000 to \$150,000	

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SECTION V

TABLE V-4

SUMMARY

Improvements, Programs, and Studies	Totals ¹	Proposed Expenses for Year						Comments
		2003	2004	2005	2006	2007	2008-2012	
Totals for Capital Improvements:	\$245,200 to \$1,120,200	\$6,600	\$9,000	\$14,600	\$40,000	\$45,000	\$130,000 to \$1,005,000	
Totals for Management Programs:	\$537,400 to \$687,400	\$23,700 to \$43,700	\$32,600 to \$52,600	\$42,950 to \$62,950	\$48,700 to \$68,700	\$53,450 to \$73,450	\$336,000 to \$386,000	
Totals for Management Studies:	\$192,200 to \$272,200	\$2,200	\$8,500	\$23,500	\$43,000	\$45,000	\$70,000 to \$150,000	
Grand Totals:	\$974,800 to \$2,079,800	\$32,500 to \$52,500	\$50,100 to \$70,100	\$81,050 to \$101,050	\$131,700 to \$151,700	\$143,450 to \$163,450	\$536,000 to \$1,541,000	

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