



# Environment and Natural Resources Trust Fund (ENRTF)

## M.L. 2018 ENRTF Work Plan (Main Document)

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**Today's Date:** August 15, 2018

**Date of Next Status Update Report:** January 1, 2019

**Date of Work Plan Approval:**

**Project Completion Date:** June 2022

**Does this submission include an amendment request?** No

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**PROJECT TITLE:** Natural Resources Asset Preservation

**Project Manager:** David C. Johnson

**Organization:** MN Department of Natural Resources

**College/Department/Division:** MN Department of Natural Resources/Operations Services

**Mailing Address:** 500 Lafayette Road

**City/State/Zip Code:** St. Paul, MN, 55155

**Telephone Number:** 651-259-5501

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**Web Address:** <http://www.dnr.state.mn.us>

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**Location:** Itasca State Park, Hubbard, Clearwater and Becker Counties.

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**Total Project Budget:** \$3,419,000

**Amount Spent:** \$0

**Balance:** \$3,419,000

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**Legal Citation:** M.L. 2018, Chp. 214, Art. 6, Sec. 4, Subd. 5(1)

**Appropriation Language:** To the Commissioner of Natural Resources for the purposes specified in this section.

Natural Resources Asset Preservation. For the renovation of state-owned facilities and recreational assets within units of the outdoor recreation system classified under Minnesota Statutes, section 86A.05, operated by the commissioner of natural resources to be spent in accordance with Minnesota Statutes, section 84.946. Notwithstanding Minnesota Statutes, section 84.946, the commissioner may use this appropriation to replace buildings if, considering the embedded energy in the building, that is the most energy-efficient and carbon-reducing method of renovation.

**I. PROJECT STATEMENT:** The existing waste water treatment system is at the end of its 50 year lifecycle and is not meeting current MPCA permit requirements for treatment of waste water. The existing facility is located at the headwaters of the Mississippi River. The system currently serves 500,000 visitors per year. The existing system consists of a 23 acre primary treatment pond and a 5 acre secondary pond, which is nonfunctional. The project will involve the proper abandonment of the existing facility and the construction of a new wastewater system that meets both existing and projected waste water treatment needs. The new system is being sized to estimate waste water flows over the next 20 years due to anticipate growth (28%) in the use of the park. We are also having conversations with MPCA that will include potential future regulations to be accounted for with this project. The overall goals of the project are: 1) to preserve and protect unique natural resources, and 2) to preserve (or enhance) fish, wildlife, land, air, water and other natural resources that otherwise may be substantially impaired or destroyed.

This project will: 1) protect the headwaters of the Mississippi, 2) protect surface and ground water quality, and 3) meet compliance standards for MN waste water treatment program and permit requirements.

**II. OVERALL PROJECT STATUS UPDATES:**

(Intentionally left blank)

**III. PROJECT ACTIVITIES AND OUTCOMES:** Construction of a new, functioning and compliant waste water treatment system and associated infrastructure. The new system is required to be online and functional by January of 2023. The new system will result in lower Biological Oxygen Demand in treated effluent. Total Phosphorus (P) and Nitrogen (N) loads will also decrease as a result of the new system, further enhancing water quality in the headwaters region.

**ACTIVITY 1 Title: Construction of a new waste water system and associated infrastructure.**  
**Description:**

**ACTIVITY 1 ENRTF BUDGET: \$3,419,000**

Outcome	Completion Date
1. Design, contract and build a fully operational waste water treatment system and associated infrastructure.	June 2022
2.	
3.	

**First Update July 1, 2019**

**Second Update January 1, 2020**

**Third Update July 1, 2020**

**Fourth Update January 1, 2021**

**Fifth Update July 1, 2021**

**Sixth Update January 1, 2022**

**Seventh Update July 1, 2022**

**Final Report by June 30, 2022**

**IV. DISSEMINATION:**

**Description:** The Department will share our Design and Construction report with the LCCMR at our regularly scheduled updates. We will let park visitors know about the project via signage. The Department will follow ENRTF Acknowledgement Guidelines.

**First Update July 1, 2019**

**Second Update January 1, 2020**

**Third Update July 1, 2020**

**Fourth Update January 1, 2021**

**Fifth Update July 1, 2021**

**Sixth Update January 1, 2022**

**Seventh Update, July 1, 2022**

**Final Report by June 30, 2022**

**V. ADDITIONAL BUDGET INFORMATION:**

**A. Personnel and Capital Expenditures**

**Explanation of Capital Expenditures Greater Than \$5,000:** The existing waste water treatment system at Itasca State Park is over 50 years old and is past its functional design life. The system is out of compliance with the current NPDES permit. The new system will meet and in some cases, exceed waste water standards and will protect and enhance surface and ground water resources within the park and the headwaters region.

**Explanation of Use of Classified Staff:** DNR Project Manager David Johnson will manage the LCCMR appropriation as an in-kind donation. ENRTF funds will not be used to pay for salary expenses associated with DNR work on this project.

**Total Number of Full-time Equivalents (FTE) Directly Funded with this ENRTF Appropriation:**

Enter Total Estimated Personnel Hours: 0	Divide by 2,080 = TOTAL FTE:
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**Total Number of Full-time Equivalents (FTE) Estimated to Be Funded through Contracts with this ENRTF Appropriation:**

Enter Total Estimated Personnel Hours: 7680	Divide by 2,080 = TOTAL FTE: 3.6
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**B. Other Funds:**

SOURCE OF AND USE OF OTHER FUNDS	Amount Proposed	Amount Spent	Status and Timeframe
Other Non-State \$ To Be Applied To Project During Project Period: NA			

	\$	\$	
<b>Other State \$ To Be Applied To Project During Project Period:</b> <i>TBD. 2018 asset preservation bond funds will be used to complete the project if construction costs exceed \$3,419,000. The Department has spent \$45,000 of GO bonding on a design report and will spend an additional \$400,000 of GO bonding on final design and bid packages.</i>			
		\$	
<b>In-kind Services To Be Applied To Project During Project Period:</b> <i>Staff time for David Johnson</i>			
48 Hours/4 years	\$ 5,664	\$	
<b>Past and Current ENRTF Appropriation:</b> <i>NA</i>			
	\$	\$	
<b>Other Funding History:</b> <i>NA</i>			
	\$	\$	

**VI. PROJECT PARTNERS:**

- A. Partners outside of project manager’s organization receiving ENRTF funding:** Construction Company, TBD.
- B. Partners outside of project manager’s organization NOT receiving ENRTF funding :** MPCA

**VII. LONG-TERM- IMPLEMENTATION AND FUNDING:** The MNDNR NPDES waste water permit requires ongoing monitoring and reporting on the performance of the system. The MNDNR will maintain the system within existing program funds.

**VIII. REPORTING REQUIREMENTS:**

- The project is for 3 years, construction will begin on or about July 1, 2019 and end on June 30, 2022.
- Periodic project status update reports will be submitted January 1 and July 1 of each fiscal year.
- A final report and associated products will be submitted by June 30, 2022.

**IX. SEE ADDITIONAL WORK PLAN COMPONENTS:**

- A. Budget Spreadsheet**
- B. Visual Component or Map**
- C. Parcel List Spreadsheet: NA**
- D. Acquisition, Easements, and Restoration Requirements: NA**
- E. Research Addendum: NA**

**Attachment A:  
Environment and Natural Resources Trust Fund  
M.L. 2018 Budget Spreadsheet**



**Legal Citation:** M.L. 2018, Chp. 214, Art. 6, Sec. 4, Subd. 5(1)  
**Project Manager:** David C Johnson  
**Project Title:** Natural Resources Asset Preservation  
**Organization:** MN DNR  
**Project Budget:** \$3,419,000  
**Project Length and Completion Date:** 3 years, December 2022  
**Today's Date:** August 16, 2018

<b>ENVIRONMENT AND NATURAL RESOURCES TRUST FUND BUDGET</b>	<b>Budget</b>	<b>Amount Spent</b>	<b>Balance</b>
<b>BUDGET ITEM</b>			
<b>Personnel (Wages and Benefits)</b>		\$0	\$0
<b>Professional/Technical/Service Contracts</b>			
		\$0	\$0
		\$0	\$0
<b>Equipment/Tools/Supplies</b>			
		\$0	\$0
		\$0	\$0
<b>Capital Expenditures Over \$5,000:</b>	\$3,419,000		\$3,419,000
Project will be put out for Competitive Bid		\$0	\$0
		\$0	\$0
<b>Fee Title Acquisition</b>			
		\$0	\$0
<b>Easement Acquisition</b>			
		\$0	\$0
<b>Professional Services for Acquisition</b>			
		\$0	\$0
<b>Printing</b>			
		\$0	\$0
<b>Travel expenses in Minnesota</b>			
		\$0	\$0
		\$0	\$0
<b>Other</b>		\$0	\$0
<b>COLUMN TOTAL</b>	\$3,419,000	\$0	\$3,419,000

Project Location Map, Itasca State Park Waste Water Treatment System Replacement

