

**MEMORANDUM**  
**Comfort Lake-Forest Lake Watershed District**

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**To:** Board of Managers **Date:** February 21, 2019  
**From:** Mike Kinney  
**Subject:** CLFLWD's PTM Approach – A Proposed Framework for MN

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**Background/Discussion**

The topic of Prioritized, Targeted, and Measurable (PTM) Implementation has long been a part of the CLFLWD's philosophy in some form. It is also a topic on which the Board of Water and Soil Resources (BWSR) provides guidance. PTM has been of particular interest lately during the Lower St. Croix (LSC) One Watershed, One Plan (1W1P) discussions. Additionally, incorporation of the PTM model will be a key element to the District's upcoming 10-year Watershed Management Plan update as it relates to adaptive management.

The District has completed several real-world examples of focusing on the cost-benefit component of using the PTM concept. One of the more notable District projects has been the Moody Lake sequential water quality improvement projects (wetland restorations and alum treatment). The framework of setting our resource priorities (Prioritized), targeting cost-effective projects through diagnostic monitoring (Targeted), and following up post-construction with effectiveness monitoring (Measurable) has been a very cost-effective approach for the District and its taxpayers. As such, this project is now one of several that the CLFLWD has completed which demonstrates a framework for PTM which others may want to follow.

Staff has prepared some presentation slides to help illustrate the benefits of this model, as we hope to use it for the larger Lower St. Croix 1W1P effort if not across the entire state and beyond. Some of these slides have been briefly discussed with Managers Anderson and Schmaltz, as well as other LSC partners and BWSR staff, but I still consider them to be in draft form. Perhaps the most important element of the information in these slides is the cost differential calculations between committing to the low cost-high benefit approach of the Pareto Principle, compared to pursuing projects just because the landowner is open to it and an entity has both staff and financial resources to complete it.

Upon further discussion with the Board, I would seek approval to share this information more widely with the purpose to start a dialogue with other entities as to how to further enhance our collective efforts to improve and protect water resources.

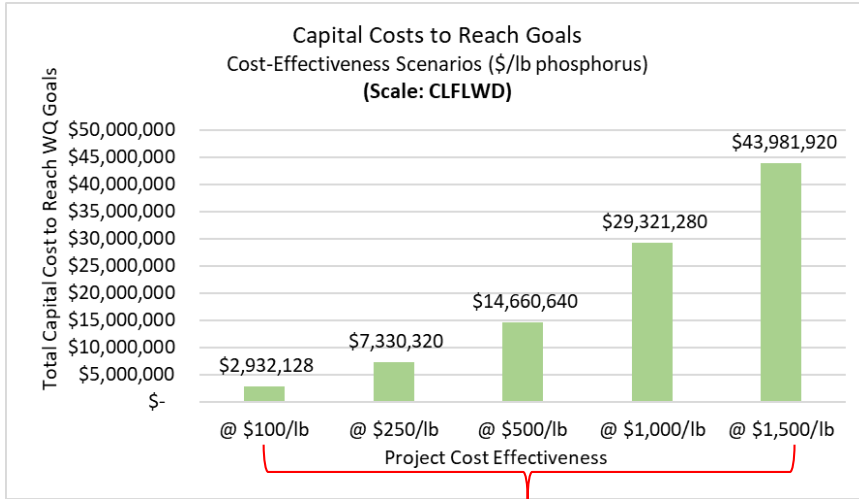
**Attached:** PTM Slides

**Link:**

BWSR PTM Guidance: [http://bwsr.state.mn.us/planning/1W1P/Targeting\\_Implementation\\_Activities.pdf](http://bwsr.state.mn.us/planning/1W1P/Targeting_Implementation_Activities.pdf)

# Targeted – Cost-Effectiveness

## CLFLWD



Difference = \$41 million

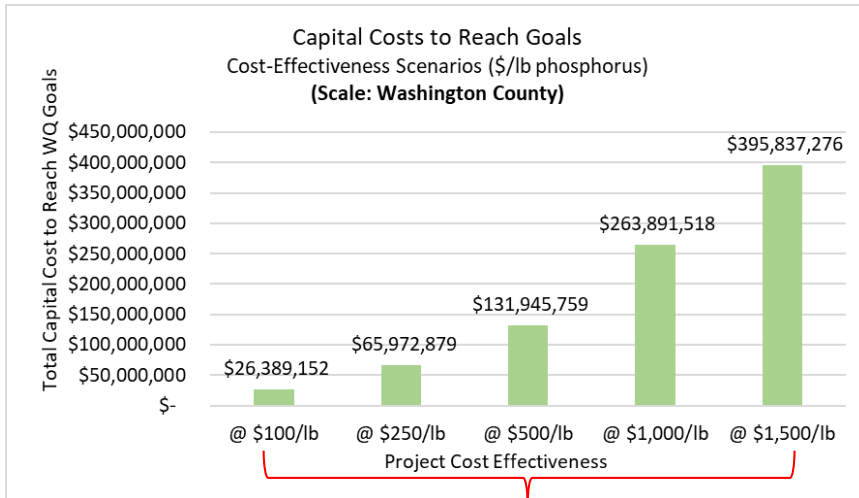
Estimated P load reduction = 2,932 lb/yr (CLFLWD Watershed Management Plan & 6-Lake TMDL)

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# DRAFT

# Targeted – Cost-Effectiveness

## Washington County

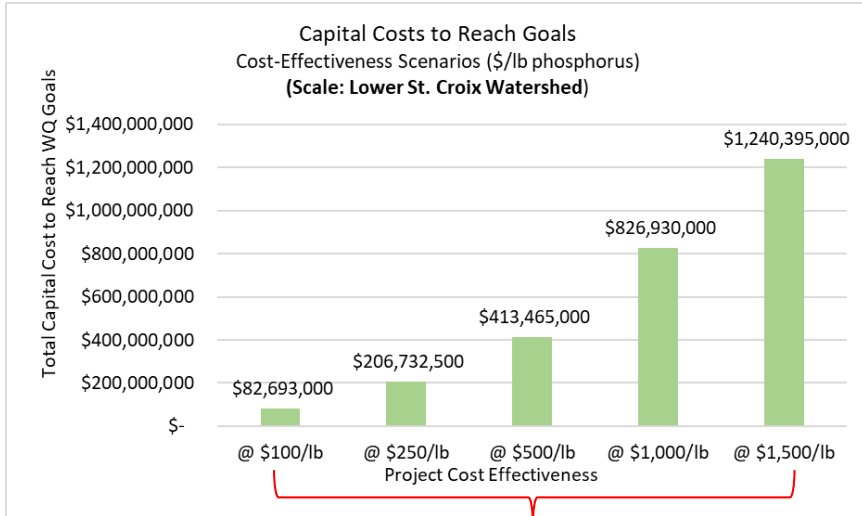


Difference = \$369 million

Estimated P load reduction = 26,389 lb/yr (Multiplier: Wash Co = 9x sq mileage of CLFLWD)

2

## Targeted – Cost-Effectiveness Lower St. Croix Watershed



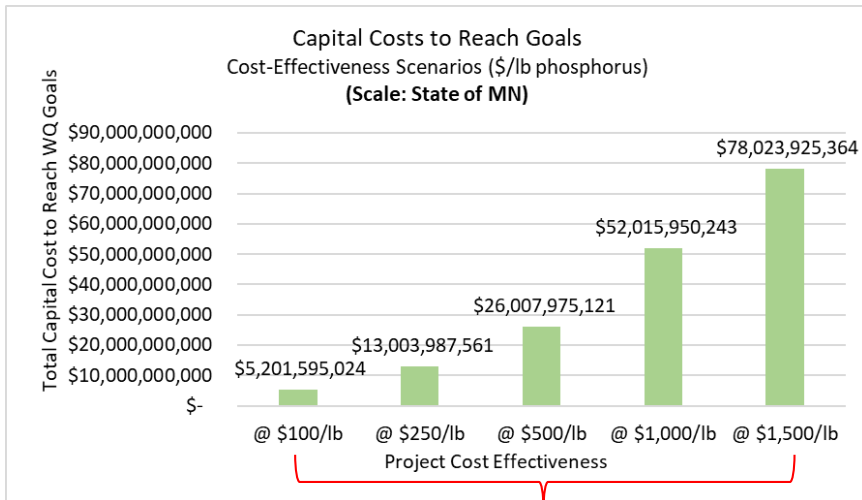
Estimated P load reduction = 82,693 lb/yr (Lake St. Croix TMDL)

Difference = \$1.1 billion

3

# DRAFT

## Targeted – Cost-Effectiveness State of Minnesota



Estimated P load reduction = 5.2 million lb/yr (Multiplier: MN = 1,774x sq mileage of CLFLWD)

Difference = \$72 billion

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