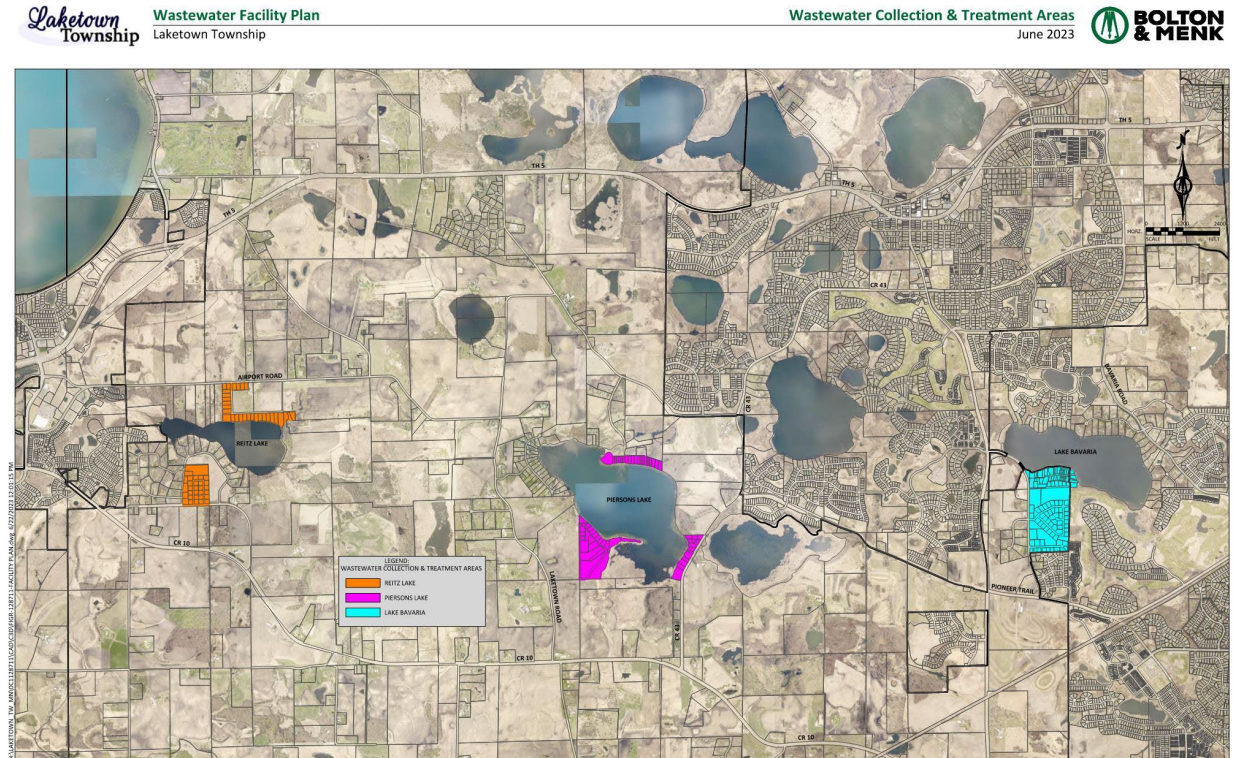


Laketown Township, Minnesota Facility Plan - Overview

March 20, 2024

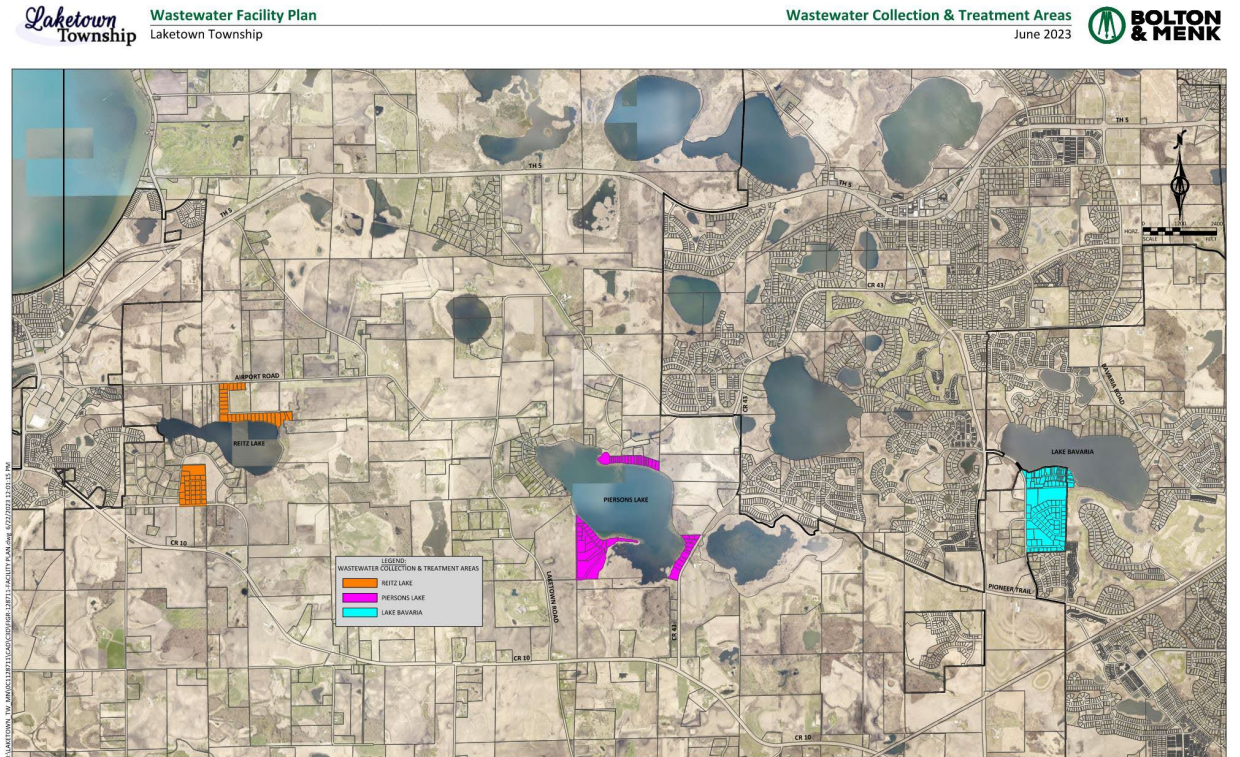
Facility Plan Items

- Overview Existing Facilities
- Proposed Improvements
- Capital Costs and Phasing
- Recommendations, Funding, and Schedule
- Next Steps



Background

- Six (6) wastewater collection systems
- Installed in mid-1980's
- Aging infrastructure requires more repairs
- Existing infrastructure does not meet current design standards
- Township surrounded by Waconia, Victoria and Chaska

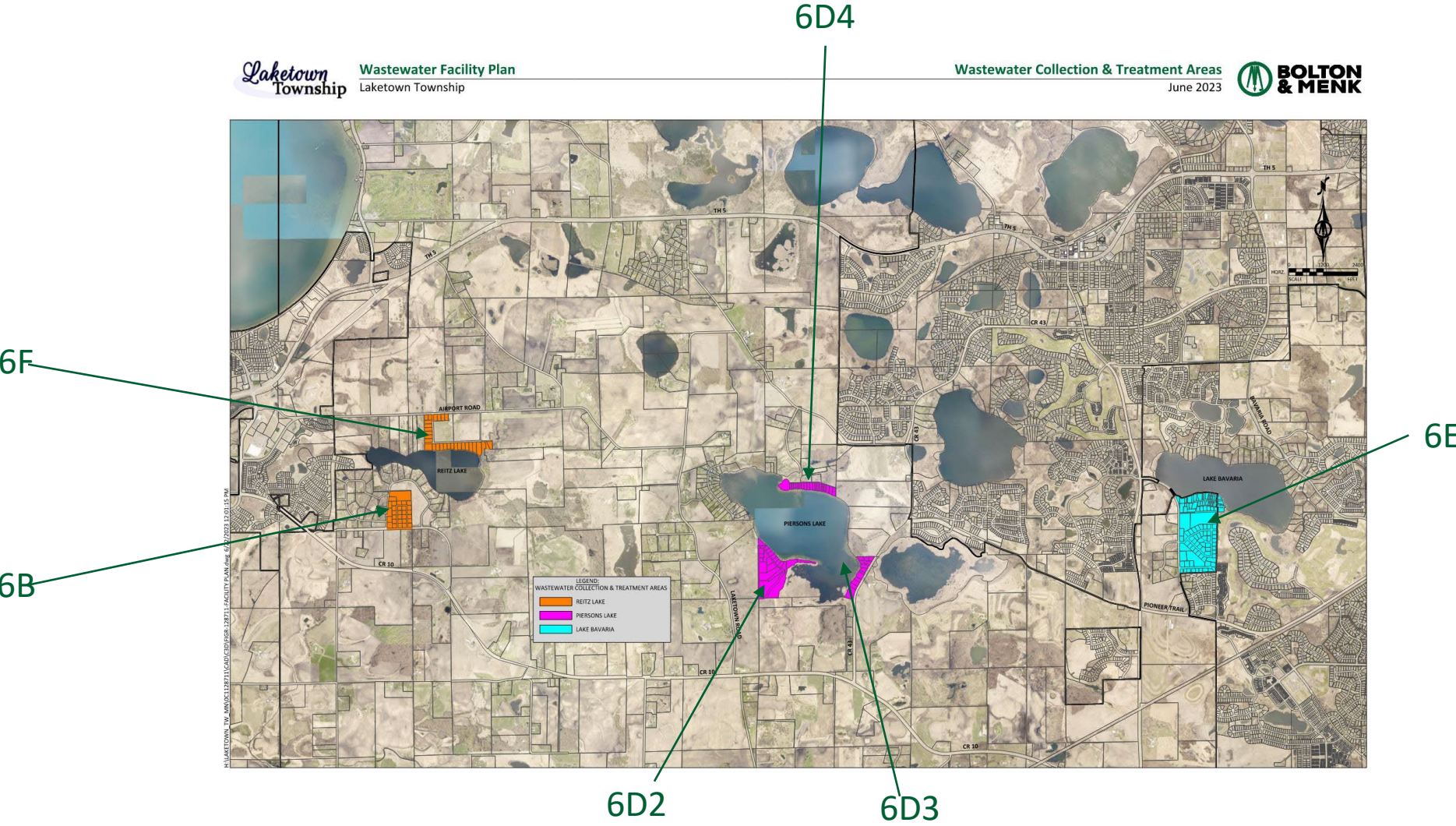


Existing Systems



Wastewater Facility Plan
Laketown Township

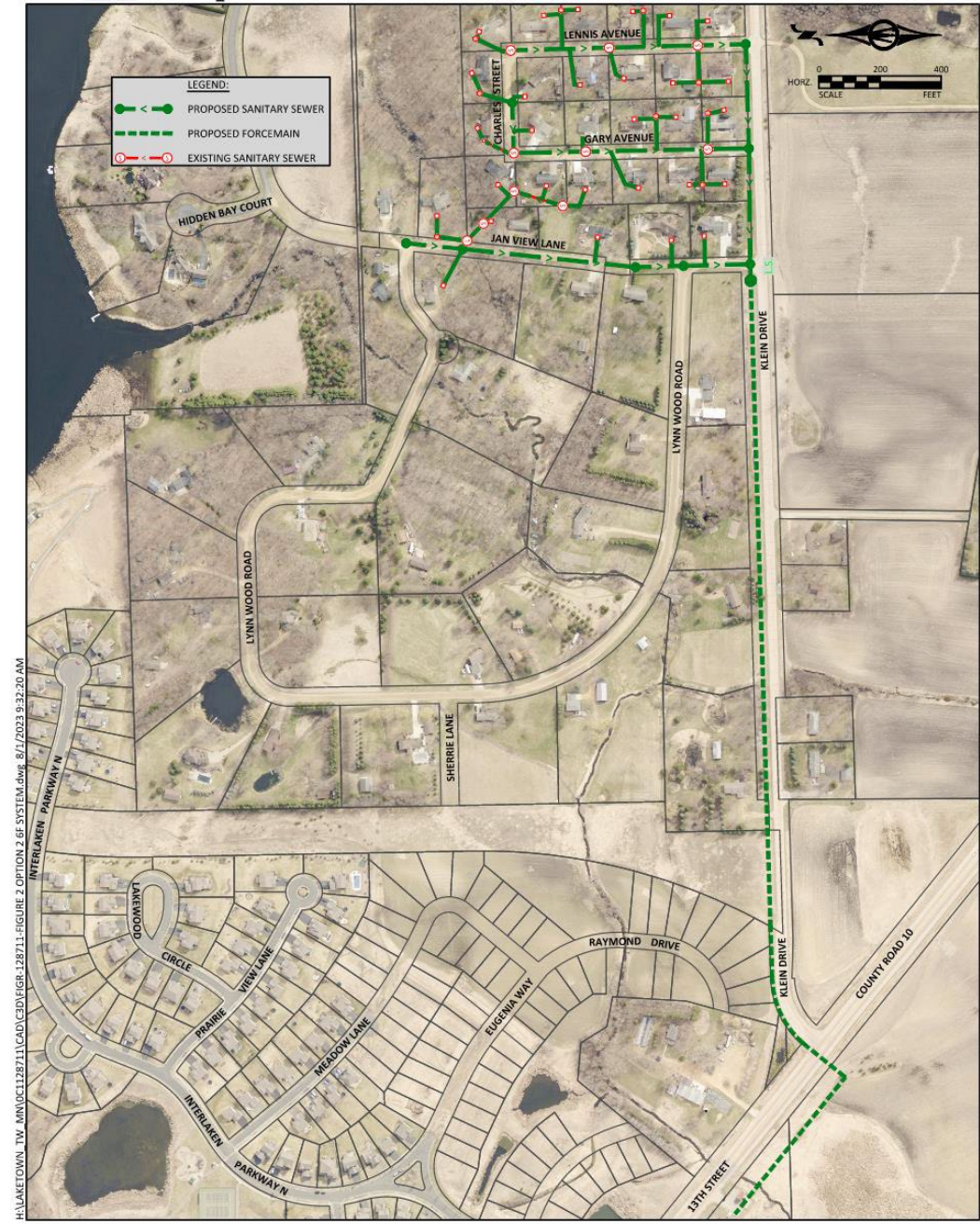
Wastewater Collection & Treatment Areas
June 2023



Proposed Improvements

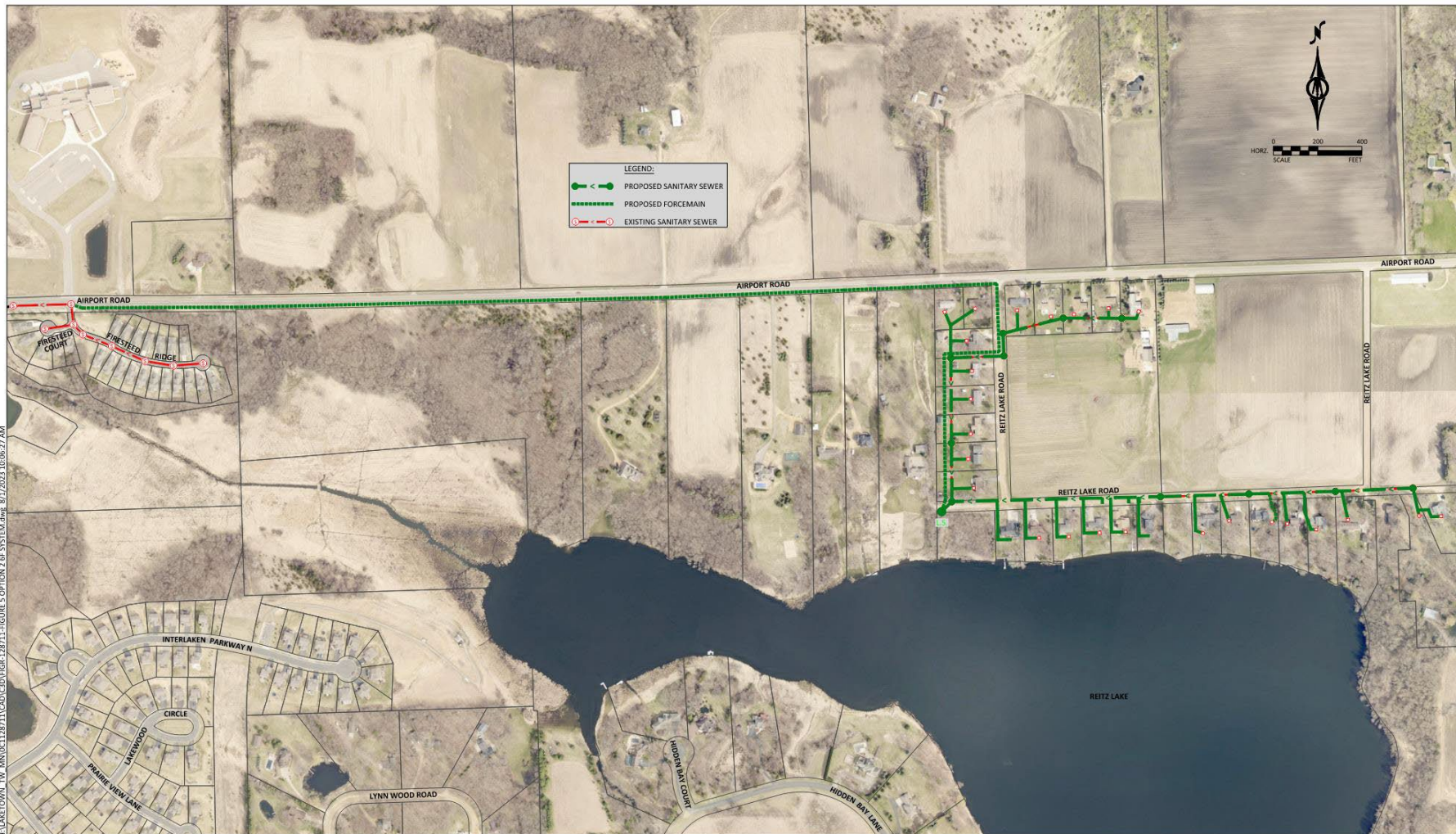
- Facility plan identified multiple options for each area
- Goal with options is to move the Township out of the wastewater business
- Existing system experiences significant inflow/infiltration
- Existing system undersized based on 10 State Standards (MPCA design guidelines)
- Typical option is for complete replacement of the system
- Following slides only show the selected alternative for each system

Selected Improvement – System 6B

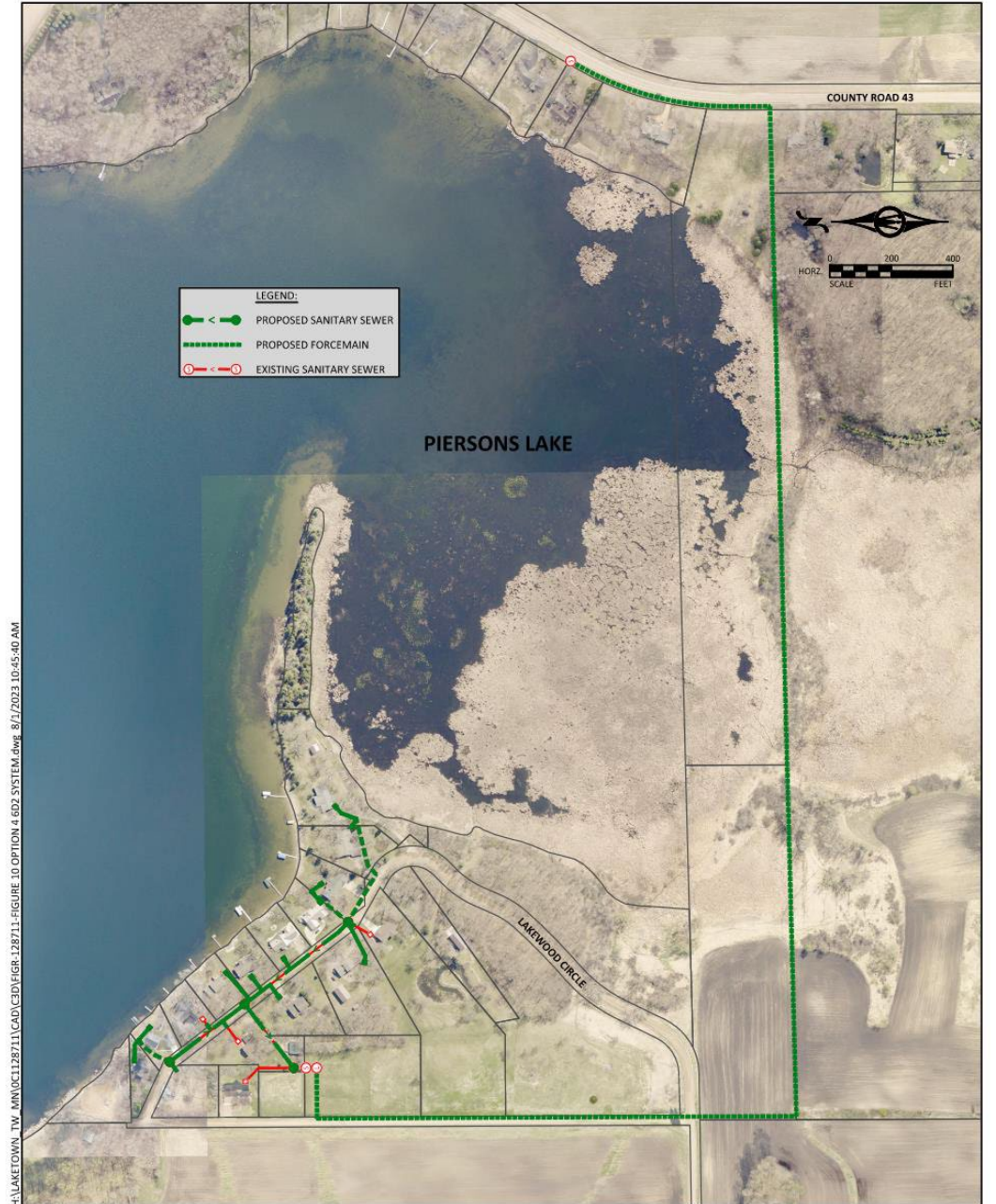


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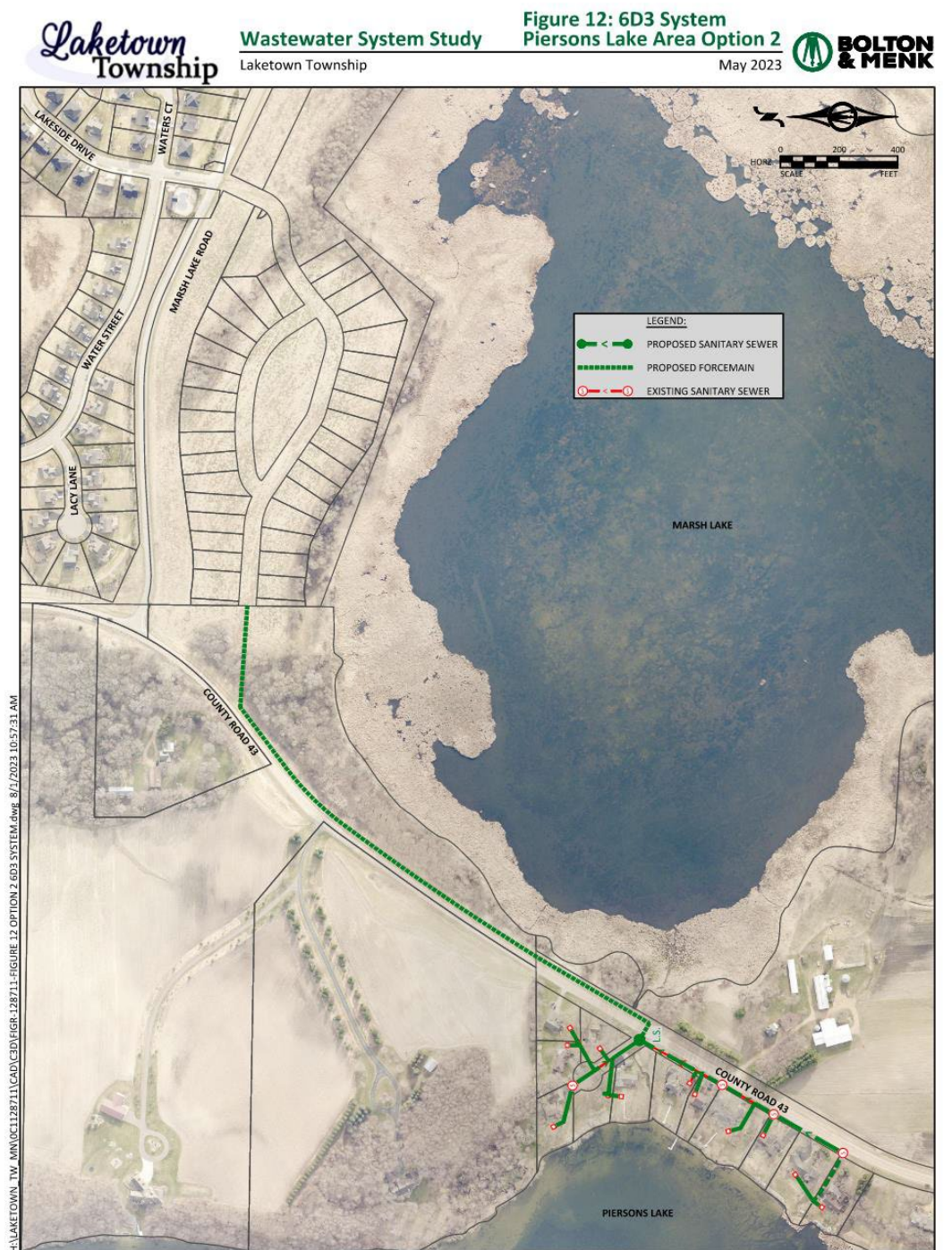
Selected Improvement – System 6F



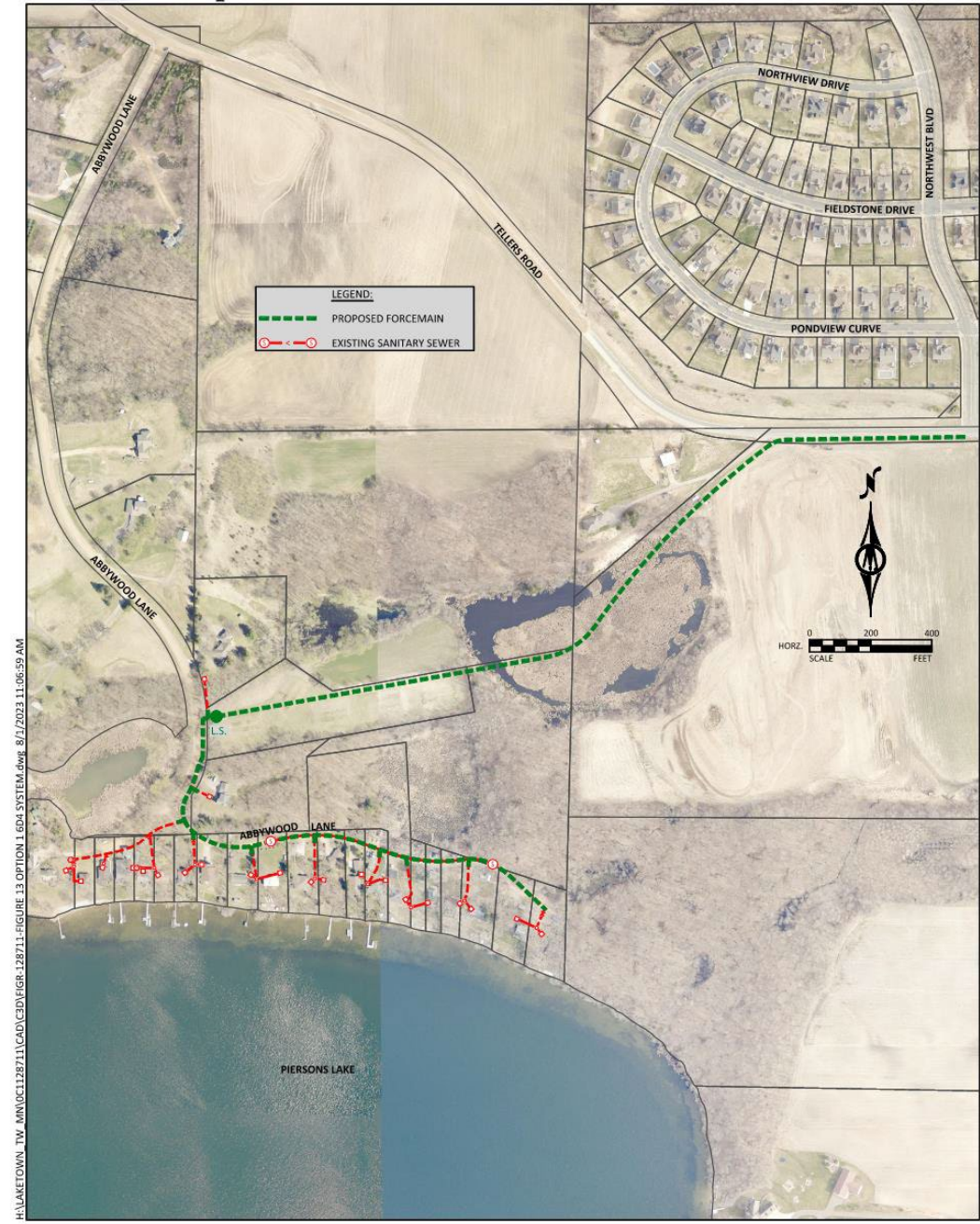
Selected Improvement – System 6D2



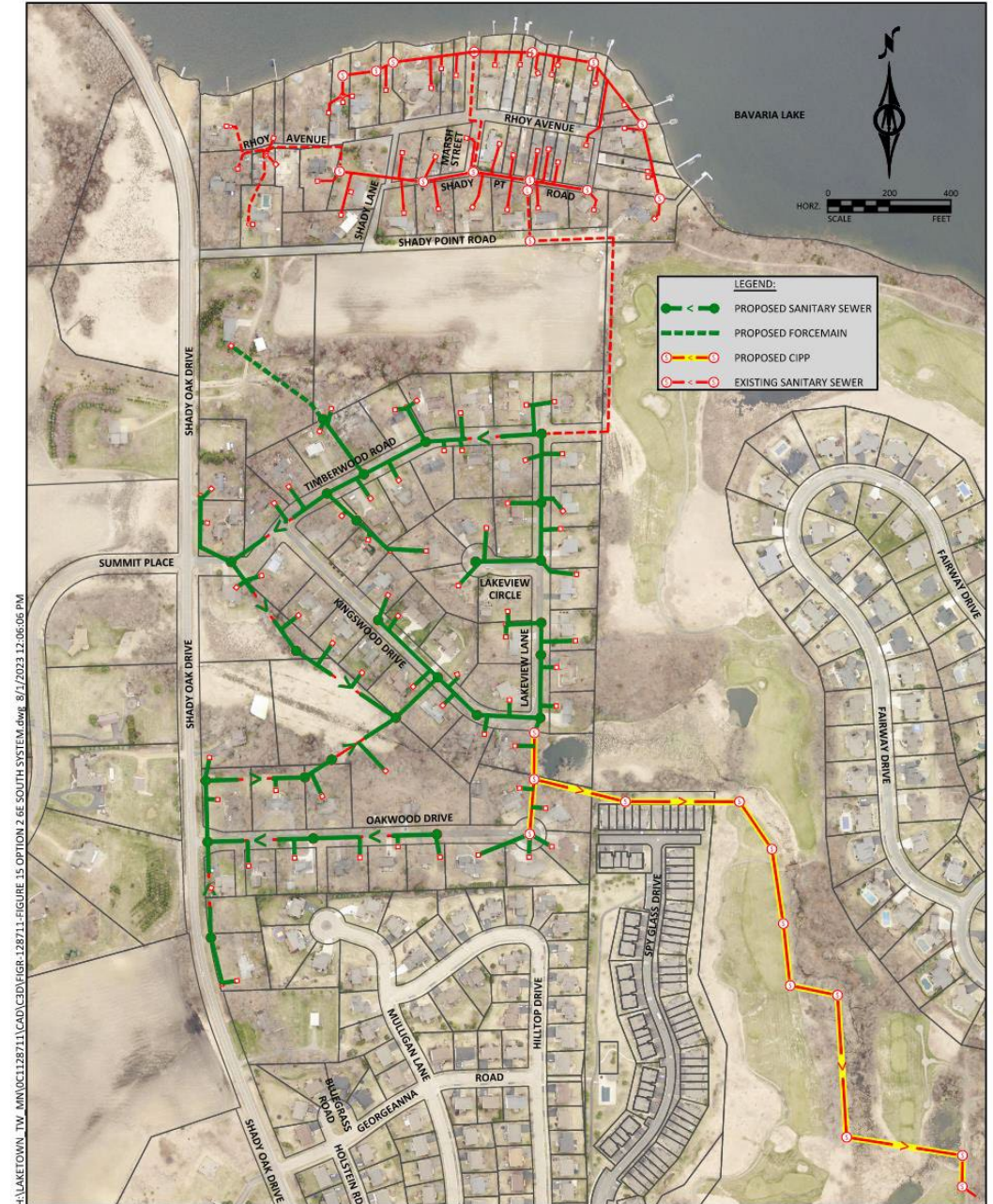
Selected Improvement – System 6D3



Selected Improvement – System 6D4



Selected Improvement – System 6E - South

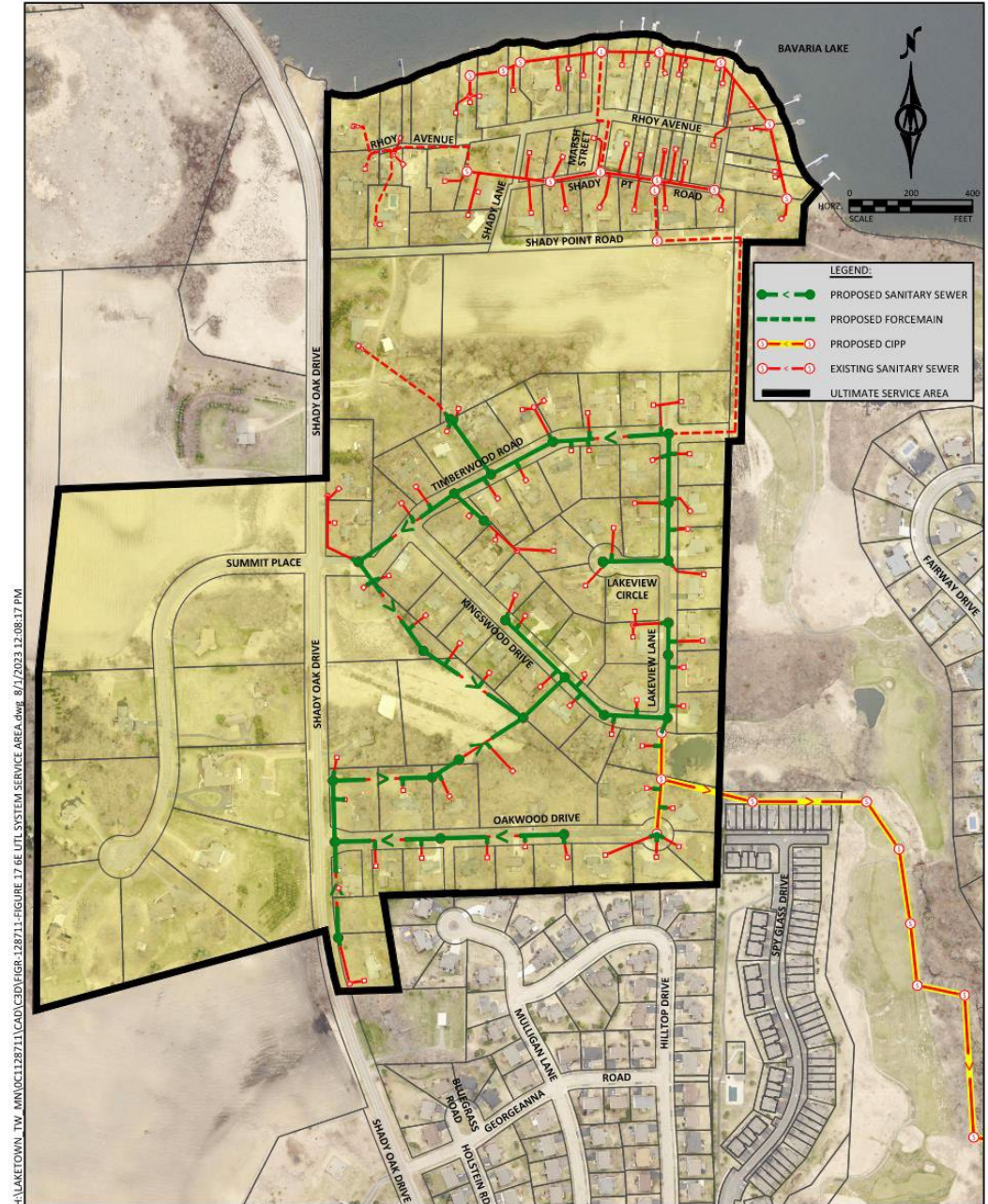


Selected Improvement – System 6E - North

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Selected Improvement – System 6E – Total System



Overall Improvements Cost Estimates

Recommendations for each area are as follows:

Area 6B – Option 2 - \$3,115,095

Area 6F – Option 2 - \$3,749,970

Area 6D2 – Option 4 - \$3,113,414

Area 6D3 – Option 2 - \$1,853,535

Area 6D4 – Option 1 - \$1,718,150

Area 6E South – Option 2 - \$3,929,065

Area 6E North – Option 1 - \$3,887,595

Total Estimated Cost - \$21,366,824

Implementation Scenario

Following is one method and order for addressing the system's needs:

A. 6B and 6F (Project #1)

1. This system already pumps to the Metropolitan Council sewer, but this system has experienced the most problems with significant I/I.
2. There is the potential to connect 6B into the Waconia system which would eliminate the need for the lake crossing from 6B to 6F. The lake crossing is possibly a significant source of I/I.
3. There is the potential to connect 6F into the Waconia system and this would eliminate the force main and lift station at Trunk Highway 5 that pumps into the Metropolitan Council.

B. 6D3 (Project #2)

1. 6D3 and 6D4 ultimately discharge to a series of mound treatment systems and the goal is to get out of the wastewater treatment business and have these systems connect to Victoria.
2. The goal is to separate this system from 6D4 and connect this system to the Victoria collection system.
3. There is potential to partner and cost share with the City of Victoria to install a lift station which will ultimately serve 6D3 and an area to the south and east of County Road 43.

Implementation Scenario - Continued

C. 6D4 (Project #3)

1. Like 6D3, this system is adjacent to Victoria and would connect to the City system.

D. 6D2 (Project #4)

1. Since this is one of the systems with its own treatment system this may be a higher priority system to work on if the treatment system is failing and not meeting permit limits. However, if the system is still functioning, the goal would be to set this system up so it could eventually pump to 6D3.

E. 6E (Project #5)

This system currently discharges into the Chaska collection system. 6E is the largest system for Laketown Twp. and thus has the largest cost for replacement. Since this system already discharges to another community, this system can be the last system upgraded.

The order and work required at each system may need to be revised based on new issues or problems that may arise.

Implementation Schedule

Item	Date
Submit Facility Plan	March 1, 2024
Conduct Public Hearing on Facility Plan	March 20, 2024
Submit Intended Use Plan (IUP) letter	June 2024
Draft and Final IUP issued	August/Sept 2024
Initiate Design and Contract Documents	October 2024
Submit Plans and Specs to MPCA for Approval	January 2025
Agency Plan and Specification Approval	April 2025
Advertise/Open Bids	April/May 2025
Award Project	June 2025
Construction	July 2025 – August 2026

Note: This is the quickest schedule possible. Schedule is impacted by funding availability.

Next Steps

- Approve Facility Plan
 - Long Term overall plan to apply for funding
- Continue to work on funding outside of PFA/MPCA
 - Direct appropriations
 - Other?
- Continue to maintain system