

## Financial Summary

Expenditure Summary as of October 1, 2022, Cash Basis		
Category	Budget	Spend
Operations, Program Office and SAD Expenditures	\$ 1,794,000	\$ 1,152,097
Property Acquisition*	\$ 1,126,000	\$ 1,059,238
Recovery: Erosion Control, Dam Stabilization, Debris Removal and Project Management**	\$ 21,145,000	\$ 10,425,186
Design Engineering	\$ 6,250,000	\$ 5,813,320
Environmental	\$ 1,000,000	\$ 329,981
<b>Total</b>	<b>\$ 31,315,000</b>	<b>\$ 18,779,882</b>
*Includes Bankruptcy Settlement Costs **Includes Consumer's Reconfiguration Agreement to reroute lines for construction		

These numbers do not include the pull-ahead restoration projects now underway. Recovery projects remain under budget as Sanford Stabilization Invoices are not all in yet, and we have not yet identified matching funds for federal grants to finish all planned shoreline erosion projects. Environmental planning costs will likely be pushed into 2023 spending.

## Bottom Land Improvement and Path Forward for Vegetation Management

On September 15, Edenville Township and the Wixom Lake Improvement Board performed a pilot program to aerielly spray a 150-acre evaluation plot on Sanford Lake and 60 acres on Wixom Lake for the purpose of controlling growth of woody trees in the lakebeds. These were "evaluation" plots to determine if the treatment is adequate for the types and sizes of saplings and young trees.

The work was conducted by Professional Lake Management and paid for by Edenville Township and the Wixom Lake Improvement Board. Officials are currently evaluating the effectiveness of the treatments to determine next steps.

In addition, debris removal projects have been occurring through the summer and fall. These are being funded through federal grants and state matching funds.

## Permit Status

Each of the dams is being permitted by the Michigan Department of Environment, Great Lakes, and Energy (EGLE) for various purposes. The projects must be permitted before construction can begin.

Secord	Edenville
Parts 315, 303, 301 & 31 <ul style="list-style-type: none"> <li>Overall project most recent permit submitted on 9/9/2022 (third correction request)                             <ul style="list-style-type: none"> <li>100% environmental impacts</li> <li>90% Dam Safety</li> </ul> </li> <li>Wetland mitigation credits purchased of impacts</li> <li>Working to address outstanding Part 31 model/report comments</li> </ul>	<ul style="list-style-type: none"> <li>Anticipated permit submittal mid-October</li> <li>60% Engineering Plans</li> <li>100% Environmental Impacts (Part 31, Part 301, Part 303)</li> <li>Part 301 (Inland Lakes and Streams) &amp; Part 303 (Wetlands) Supplemental Information</li> </ul>
Smallwood	Sanford
Parts 315, 303, 301 & 31 <ul style="list-style-type: none"> <li>Overall project most recent permit submitted on 9/8/2022 (third correction request)                             <ul style="list-style-type: none"> <li>100% environmental impacts</li> <li>90% Dam Safety</li> </ul> </li> <li>Wetland mitigation credits purchased of impacts</li> <li>Working to address outstanding Part 31 model/report comments</li> </ul>	<ul style="list-style-type: none"> <li>Interim Stabilization                             <ul style="list-style-type: none"> <li>No comments after public notice</li> <li>Permit issued</li> </ul> </li> <li>Sanford Dam Restoration (Overall Project Permit)                             <ul style="list-style-type: none"> <li>Anticipated submittal mid-October</li> <li>100% Environmental Impacts (Part 31, Part 301, Part 303)</li> <li>60% Engineering Plans</li> </ul> </li> <li>Part 301 (Inland Lakes and Streams) &amp; Part 303 (Wetlands) Supplemental Information</li> </ul>

## Path to Four Lakes Restoration: An Engineering and Technical Symposium

When two dams in a four-dam system in mid-Michigan failed during an extreme rain event in May of 2020 and two other lakes were lowered, it captured global attention. As the Counties’ Delegated Authority for the lakes, Four Lakes Task Force (FLTF) is repairing the dams and restoring the lakes and surrounding ecosystems. It’s blazing an engineering, regulatory and environmental path at a time where there is significant public policy focus on infrastructure.

At the Four Lakes Task Force “Path to Four Lakes Restoration: An Engineering and Technical Symposium,” attendees will glimpse the complexity of this restoration project, learn from the firms involved, and be able to talk to the experts responsible for restoring the four lakes and dams. The Symposium is Thursday, October 20, 2022, from 7:30 a.m. to 5 p.m.

Presentations and panel discussions will cover the following topics: hydrology and hydraulics, dam safety and construction, environmental impacts, and the path forward for FLTF.

Vendors booths and displays will feature firms and consultants involved in the FLTF project: engineering, meteorology, environmental planning, public policy and government.

[Learn More](#)

## Dam by Dam Updates

Over the last several months we have had warm and dry weather and all the lakes have experienced relatively low flows. Grass mowing and property clean-up has been ongoing at all the dams. Dam inspection and monitoring has been in line with expectations with no substantial changes or surprises.

Secord	Edenville
As of October 2022, the engineering team has completed and submitted the 100% design documents to the Michigan Department of Environment, Great Lakes, and Energy (EGLE) and project bidding is expected to be completed before November. Construction is scheduled to officially begin in December 2022.	The engineering team is currently identifying pull-ahead projects in preparation for restoration construction and finalizing 60% design documents, which are expected to be submitted to EGLE before the end of October 2022. Consumers Energy has also begun the process of rerouting power lines around the dam. 100% design documents are expected to be completed by mid-year 2023 with final construction planned to begin by early 2024.
Smallwood	Sanford
Preparation work for construction is underway at Smallwood Dam. 100% design documents were submitted to EGLE in September 2022, and bidding on final construction – as well as work on the pull-ahead project for a low-level outlet – is taking place in October 2022. Restoration projects are expected to begin during winter 2022/2023.	Significant progress has been made at Sanford Dam over the summer as the engineering team works to finalize 60% design documents, which are expected to be submitted to EGLE before the end of October 2022. Most notable is the restoration of the Tittabawassee River flow through the dam, accomplished by Fisher Contracting with the construction of a berm across the breach channel. 100% design documents are expected to be completed by mid-year 2023 with final construction planned to begin by the end of the same year.