

# Four Lakes Task Force

Gladwin and Midland Counties' Delegated Authority  
of the Four Lakes Special Assessment District

## Pre-Restoration, Updates & 2023 Expectations

**March 8, 2023**



**Four Lakes Task Force**

# Informational Communications Meeting

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- This is an informational session
  - ▣ This meeting is being held virtually to accommodate as many people as possible
- This is not a board meeting – no formal action will occur
  - ▣ There is a board meeting on March 14<sup>th</sup>
- Please email questions to [info@fourlakestaskforce.org](mailto:info@fourlakestaskforce.org) and we will answer questions during the meeting and at the end



# Agenda

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- 2020-2022 Recovery and Pre-Restoration Phase
  - Including a Financial Review
- Project Updates
- What to Expect in 2023
  - Timeline
  - Key Issues Being Managed
- Questions



Email questions to [info@fourlakestaskforce.org](mailto:info@fourlakestaskforce.org)

# Definitions

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## □ Recovery Phase

- ▣ Stabilizing the dams, removing debris, and stabilizing the shoreline to a safe and transitional state

## □ Restoration Phase

1. Pre-Construction: Acquiring the properties, environmental studies, engineering and permitting for dam constructions
2. Construction: Restoring the dams

## □ Special Assessment District (SAD) associated costs:

- ▣ Operation and maintenance of the dam infrastructure
- ▣ Costs to form the district and finance the project
- ▣ Legal and administrative costs to manage



# 2020 – 2022 Progress and Finance



# 2020-2022 Recovery Milestones

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- **Dam stabilization** projects on Smallwood, Secord, Edenville and Sanford dams have all been completed resulting in safe and stable structures for the interim period before restoration construction can begin
- **Debris removal** from Sanford Dam, downstream and bottomlands. On Sanford Lake, 1,044 debris points were removed to-date. On Wixom Lake, 1,307 debris points were removed



- **Shoreline erosion** – FLTF has performed 22 shoreline stabilization projects and 6 culvert stabilization projects. In total, 10,634 feet of shoreline was restored using 48,335 tons of riprap among other materials

## CURTIS ROAD



# 2020-2022 Restoration Pre-Construction

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- Precipitation and flood modeling and design engineering were completed allowing Secord and Smallwood to acquire all permits and select a contractor
- Edenville and Sanford dams are nearing 100% design engineering and are moving through the permitting process
- Hydrology analysis, PMP study, feasibility study, and environmental studies were all completed to allow for permitting and restoration to move forward



# FLTF Expenditures and Funding

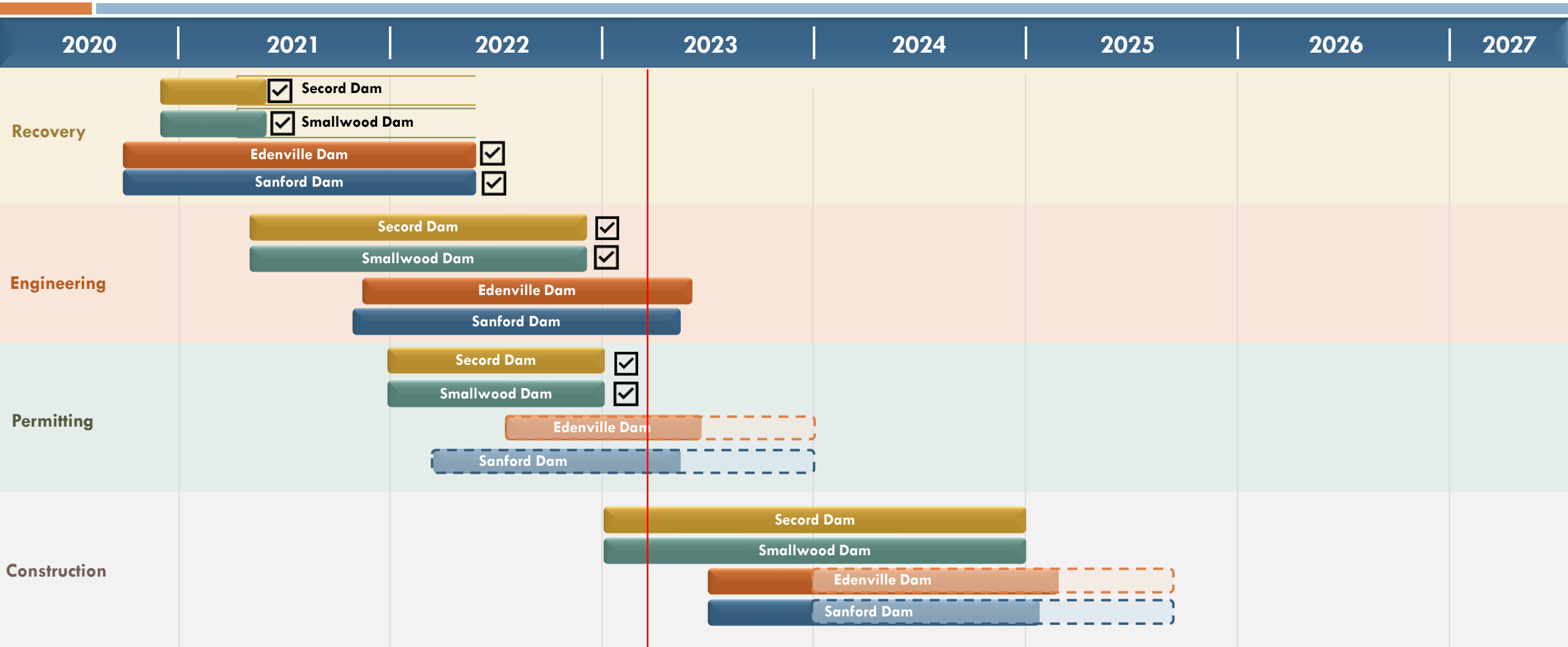
2020-2022 High Level Interim Expenditures prior to Construction						
	State of Michigan	Federal	Private Donations	Homeowner Share	SAD	Total Expenditure
Recovery	\$ 12,146,317	\$ 19,899,473		\$ 691,880		\$ 32,737,670
Preconstruction Restoration	\$ 20,616,737		\$ 1,368,486			\$ 21,985,222
O&M	\$ 855,211		\$ 875,812		\$ 1,399,810	\$ 3,130,834
<b>Total Spent on interim by source</b>	<b>\$ 33,618,265</b>	<b>\$ 19,899,473</b>	<b>\$ 2,244,298</b>	<b>\$ 691,880</b>	<b>\$ 1,399,810</b>	<b>\$ 57,853,726</b>

Funding Sources - post May 2020	
State of Michigan	
SOM \$15M Interim	\$ 15,000,000.00
SOM \$2.5M Interim	\$ 2,500,000.00
EGLE Funds	\$ 3,000,000.00
\$10M Interim	\$ 10,000,000.00
\$190M Restoration	\$ 190,000,000.00
USDA NRCS	
EWP Grants	\$ 19,899,473.10
MEDC Grant, Private Donations	
FLTF was granted \$5M from MEDC in 2019 that was expended on costs related to the FLTF project through May 2020, at which point all funds were expended and FLTF began to use private donations, SOM grants and NRCS funds.	

- \$5.5M was set aside for recovery and \$25M was set aside for preconstruction restoration expenditures
- Expenditures to date are ~\$3M over that allowance, with \$3.5M in addition budgeted in 2023
- This reduces the funds that are available to apply to restoration construction by ~\$6.5M
- Detailed cost estimates and assessment updates will be provided in April 2023



# Dam Restoration Timeline



— Where we are now

▭ Shaded rectangles indicate timing if permits are received by the end of 2023

# Restoration Construction

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- \$240 million to \$275 million planning range
  - ▣ To be re-evaluated after the Sanford and Edenville bid submittals – detailed estimates will be provided late April 2023
- Understanding impact to capital assessments



# Project Updates

Email questions to [info@fourlakestaskforce.org](mailto:info@fourlakestaskforce.org)  
and we will answer them during the meeting  
and at the end

# Dashboard for Tracking Construction

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DAM - Project Status 

## Project Status Summary

This section will be used for Current Status Description of Project.

## KPIs

SSPI  
1.13

QPI  
1.09

SPI  
1.18

CPI  
1.10

KPI  
1.10

KPI  
1.0

KPI  
.90

## □ KPIs

- SSPI – Safety and Security Performance Indicator
  - Measures a blend of incidents, injuries and security metrics v. the goals
- QPI – Quality Performance Indicator
  - A ratio of weighted quality measurements of work installed v. planned quality for the same work
- SPI – Schedule Performance Indicator
  - A measure of the conformance of actual progress to the planned progress
- CPI – Cost Performance Indicator
  - A measure of the conformance of the actual work completed to the actual cost incurred

## □ KPI values

- 1.0 = the project performance is on target
- > 1.0 = better-than-planned project performance
- <1.0 = poorer-than-planned project performance



# Secord and Smallwood Photos



Safety training with Fisher Contracting for Secord and Smallwood dams



Secord



Compacting sand at the bottom of a trench – Smallwood Dam site

# Edenville and Sanford

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## Current Activities

- Edenville cutoff wall and embankment construction permit expected to be issued in Q2 2023 – This will be a pull ahead project as we work on environmental permitting related to endangered species for full restoration permit
- Sanford restoration permit is needed by June 30, 2023, to complete by early 2025
- Bids and schedules for dam safety and site civil construction have been requested from three interested and prequalified contractors. Results due next month

## By the next meeting – April 26

- Understand restoration permitting timelines
- Understand construction costs and timelines
- Contracting for work at both sites

2023

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# 2023 Major Activity

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## □ Permitting

- ▣ Hoping to be in public comment period by April on Edenville and Sanford
- ▣ Remaining issues to close Sanford and Edenville permitting:
  - EGLE acceptance of FLTF plans for environmental permitting
  - Endangered mussel environment impact
  - FEMA floodplain insurance approach

## □ Construction

- ▣ Secord and Smallwood underway
- ▣ Bid estimates in by April for Edenville and Sanford
- ▣ Permitting and at least pull ahead projects for Edenville



# Capital Assessment Schedule

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- Project is in the \$240 million to \$275 million range
  - ▣ This will be updated after the Edenville and Sanford bids are in and a contractor is selected
- Bonds will need to be issued in 2024 and 2025 to complete financing of restoration construction
- Tentative schedule:
  - ▣ **April 2023 - communication and timing announced**
  - ▣ September/October - hearing and county approval
  - ▣ 2024 capital assessment on winter tax bill
  - ▣ 2025 first capital assessment payment



# In Summary

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- ❑ **The Recovery Phase is complete**
- ❑ Construction is permitted and underway on Secord and Smallwood
- ❑ Edenville and Sanford engineering will be 100% complete by next month
  - ❑ Permits are submitted
  - ❑ Critical timing issues are FEMA flood insurance between Edenville and Sanford dams and completion of the endangered species impact
- ❑ Capital will be required in 2024 and 2025
  - ❑ Expect an assessment process in 2023
  - ❑ To be paid by 2025

# Questions

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Please email your questions to [info@fourlakestaskforce.org](mailto:info@fourlakestaskforce.org) and we will try to get to as many as we can.



# Upcoming

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## □ Communications

- Webinar on April 26<sup>th</sup> about the financial plans – register on Events page of website ([fourlakestaskforce.org/events](https://fourlakestaskforce.org/events))
- Board meetings:
  - March 14, 2023, 12:00-2:00 p.m. | Swanton Memorial Center, 6460 N. Water Rd., Sanford
  - July 25, 2023, 12:00-2:00 p.m. | Location TBD
  - October 24, 2023, 12:00-2:00 p.m. | Location TBD
  - December 12, 2023, 12:00-2:00 p.m. | Location TBD



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Thank you for joining us

