Great Lakes Legacy Act
*Generating nonfederal cost-share*

2019 Areas of Concern Conference
Steve Galarneau, WI DNR
Presentation Overview

• Need for Non-federal Sponsors
• Milwaukee Estuary AOC-Wide Approach
• Potential Funding Sources
• NFS Specific contributions
• Phased approach
• Communication

Wisconsin Historical Society, 1836, Map of the Milwaukee Bay Showing the Site of the Proposed Harbor, Image ID 99154. Viewed online at https://www.wisconsinhistory.org/Records/Image/IM99154
Milwaukee Estuary AOC
Identifying Management Actions with External Partners

- Achievable
- Grounded in science
- Aligns with community needs and goals
- Not under enforcement
- Will help accomplish BUI delisting target
- Supports & complements partner plans & implementation priorities
Partner GLLA/GLRI Project Success

- MKE AOC
  - Kinnickinnic River
  - Lincoln Park Phases I & II
- Lower Menominee River AOC
- Sheboygan AOC
  - Campmarina
  - GLLA
  - Strategic Navigational Dredging
Non-federal sponsors

• City of Milwaukee
  • Redevelopment Authority
  • Port Milwaukee
• Wisconsin Department of Natural Resources
• Milwaukee County
• Milwaukee Metropolitan Sewerage District
• We Energies
MKE AOC Wide Approach

- Milwaukee as a priority AOC
- We want to get a lot done in a short timeframe
- A large volume of sediment to remediate - over a MCY
- Necessitates a holistic strategy
- Embrace the cost sharing nature of the GLLA program
- Leverage non-federal sponsor funding between project areas and rivers and maximize flexibility
- Build a DMMF for disposal adjacent to the existing CDF
- Accelerate cleanup of the MKE AOC!
DMMF Approach

• To be provided by NFS, no federal funds
• Key to a cost effect approach
• Adjacent to the existing CDF
• We Energies performed investigation of materials in the existing CDF for potentially reusing materials
  • Not viable
• We Energies acquired a state grant for DMMF Design
• A Lakebed lease for new DMMF is in-place
• Port Milwaukee
  • Long-term owner and responsible for maintenance
  • Would provide space for Port activities
• The NFS are working on performance standards and funding
• Would serve all three rivers and the harbors
NFS Potential Contributions
WEC Energy Group

• Design and remediation of NAPL in M&M OU2
• Capping sediments within the Solvay Car Ferry Area
• Design of an extension of the Milwaukee Confined Disposal Facility as in-kind (Harbor Assistance Program Grant)
• Overmatched funds from the M&M RI/FFS project agreement.
• An agreement with Port Milwaukee and the City for existing CDF space.
NFS Potential Contributions – Milwaukee Metropolitan Sewerage District

• MMSD Project - PCB Remediation and Sewer Rehabilitation Project

  • Primary Source: former Milwaukee Die Cast Company

  • Approximately 430 cubic yards (820 tons) of sediment in MMSD sewer with PCB contaminants
NFS Contributions
Wisconsin Department of Natural Resources

• Contaminated Sediment Bonding
• Execution of the GLRI site characterization grant
NFS Potential Contributions
City of Milwaukee

• Sheet Pile As-builts
• Utility Locates
• Existing CDF Space
• Long term O&M of a new DMMF
NFS Potential Contributions
City of Milwaukee - Grand Trunk Wetland

Potential sewer investigation and cleanout

Existing Conditions

Proposal
Embracing cost sharing

**GLRI Industries**
- City
- County
- MMSD
- Port
- State
- Industries

**Potential Cost Shares**
- In-kind & overmatch

**In-kind Sources**
- Solvay Car Ferry Area, $2.50, 13%
- M&M FFS, $0.40, 2%
- Existing CDF Investigation, $0.15, 1%
- WE Energies, $1.20, 6%
- 3rd Ward MGP, $15.00, 78%

**Contaminated Sediment Bonding**
- Existing CDF Space
- New DMMF O&M
## Potential Non-Federal Funding Sources

<table>
<thead>
<tr>
<th>Source(s) or Entities</th>
<th>Type</th>
<th>Area or Item</th>
<th>Amount, in millions</th>
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<tr>
<td>City of Milwaukee</td>
<td>in-kind</td>
<td>MRD - Sheet Pile As-Builts</td>
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<td>Sewer Assessment (Grand Trunk)</td>
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<td>City of Milwaukee</td>
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<td>Utility locates</td>
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<td>Erie Street Plaza Sheetpile Repair</td>
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<td>DNR</td>
<td>cash</td>
<td>Sediment Bonding</td>
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<td>Milwaukee County</td>
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<td>Park Access</td>
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<tr>
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<td>Prot-CDF</td>
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<tr>
<td>Various</td>
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<td>TMDL P-trading</td>
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<td>We Energies</td>
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<td>Solvay Car Ferry Area</td>
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<td>M&amp;M FFS</td>
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<tr>
<td>We Energies</td>
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<td>Existing CDF Investigation</td>
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<tr>
<td>We Energies</td>
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<td>CDF design (WisDOT + We Energies)</td>
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<td>We Energies</td>
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<td>3rd Ward MGP</td>
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<td><strong>Total</strong></td>
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<td><strong>$25.5</strong></td>
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NFS Contribution
Milwaukee County

• Milwaukee River Downstream - Park Access
Closing the Deal

• Communicate common need
• Engage many
• Flexibility – creativity
• Problem-Solving perspective
Questions?