Great Lakes Commission

Great Lakes Dredging Team

Annual Meeting

Creative Funding for Beneficial Use Projects - Case Studies

presented by

Foth Infrastructure & Environment

May 18, 2016
Foth Presenter

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Client Team Leader / Senior Environmental Scientist
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Leveraging State, Federal and In-kind Funding Sources
- Wisconsin Department of Natural Resources – WDNR
- Wisconsin Department of Administration – WDOA
- Wisconsin Economic Development Corporation – WEDC
- Wisconsin Department of Transportation – WisDOT
- Wisconsin Department of Commerce - WDCOM
- Ohio Environmental Protection Agency – OEPA
- Ohio Department of Natural Resource - ODNR
Critical Elements in Funding Water Resource Projects

- Develop a Project Specific Grant Matrix
<table>
<thead>
<tr>
<th>Agency</th>
<th>Grant Program</th>
<th>App Deadline</th>
<th>Use</th>
<th>Maximum Impact Amount</th>
<th>Match Minimum (%)</th>
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</thead>
<tbody>
<tr>
<td>NOAA</td>
<td>Coastal Habitat Restoration Grants</td>
<td>Apr 6</td>
<td>coastal habitat restoration that are ready for implementation (rivers, degraded habitats, green infrastructure)</td>
<td>$25,000 to $150,000</td>
<td>none</td>
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<td></td>
<td>Coastal Watershed Grant Program</td>
<td>Apr 6</td>
<td>Riparian and In-stream Habitat Restoration/Enhancement, Restoration of Aquatic Connectivity, Wetland Restoration/Enhancement</td>
<td>$25,000 to $150,000</td>
<td>min. 150% in matching funds</td>
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<td>Stewardship Grants Program</td>
<td>Apr 6</td>
<td>Riparian and In-stream Habitat Restoration/Enhancement, Restoration of Aquatic Connectivity, Wetland Restoration/Enhancement</td>
<td>$25,000 to $150,000</td>
<td>max. 50% in matching funds</td>
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<tr>
<td>USACE</td>
<td>Section 103 (Beach Erosion Control Projects, River and Harbor Act of 1946, as amended)</td>
<td>Apr 1</td>
<td>enforcement and maintenance of federal navigation channels and hydropower projects</td>
<td>$10,000,000</td>
<td>100%</td>
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<tr>
<td>USACE</td>
<td>Section 107 Funding (Section 107, River and Harbor Act of 1985, as amended)</td>
<td>Apr 1</td>
<td>study and feasibility of projects</td>
<td>$1,000,000</td>
<td>100%</td>
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<td>USACE</td>
<td>USACE Section 22 Funding</td>
<td>Apr 1</td>
<td>Study and feasibility of projects</td>
<td>$1,000,000</td>
<td>50%</td>
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<tr>
<td>USACE</td>
<td>Coastal Infrastructure Grant Program (BIG)</td>
<td>Apr 1</td>
<td>Construction and rehabilitation of coastal infrastructure</td>
<td>$1,000,000 to $20,000,000</td>
<td>20%</td>
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<td>USACE</td>
<td>Coastal Infrastructure Grant Program</td>
<td>Apr 1</td>
<td>study and feasibility of projects</td>
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<td>50%</td>
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<tr>
<td>USACE</td>
<td>Net Ports/Waterway Investment Program</td>
<td>Apr 1</td>
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<td>50%</td>
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<td>USACE</td>
<td>Tiger II Discretionary Grant Program</td>
<td>Apr 1</td>
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<tr>
<td>USACE</td>
<td>Maritime Administration (MARAD)</td>
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<td>USACE</td>
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<td>Broadband Assessment Grants</td>
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<td>study and feasibility of projects</td>
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<td>50%</td>
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<td>Broadband Cleanup Grants</td>
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<td>USACE</td>
<td>Great Lakes Restoration Initiative</td>
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<td>Revolving Loan Funds</td>
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<td>USACE</td>
<td>Eastern States Marine Highway Grants</td>
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<td>Great Lakes Program &amp; OILSPOT</td>
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<td>study and feasibility of projects</td>
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<td>50%</td>
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<td>USEPA</td>
<td>Water Environmental Programs</td>
<td>Apr 1</td>
<td>study and feasibility of projects</td>
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<td>Water and Environmental Programs</td>
<td>Apr 1</td>
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<td>Broadband Assessment</td>
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The table above summarizes various grant programs and their associated use cases, maximum impact amounts, and match minimum percentages. The agencies listed include NOAA, USACE, USEPA, and WIRED, among others, and the programs range from habitat restoration and infrastructure development to broadband assessment and water environmental programs. Each program has specific eligibility criteria, application deadlines, and funding allocations designed to support various projects and initiatives.
Critical Elements in Funding Water Resource Projects

- Develop a Project Specific Grant Matrix
- Hold a Funding Summit
  - Granting Agencies
  - Regulatory Agencies
  - Elected Officials
  - Stakeholders
- Develop a Harbor Master Plan
Case Studies

- Two Rivers, Wisconsin
- Washington Island, Wisconsin
- Kewaunee, Wisconsin
- Port Washington, Wisconsin
- Conneaut Port Authority, Ohio
- Port of Cleveland, Ohio
- Dredging of East Twin River
- Seawall Replacement
- Fish Cleaning Station Replacement
- Boat Wash & Rain Garden
- Multi-modal Trails
- Multiple Brownfield Redevelopments
- Wave Attenuation
- South Breakwater Connection
Project – Harbor Master Plan

- **WDOA – Coastal Management Program**
  - $30,000 funding for harbor master plan – 2011
    - $5,000 city match, in-kind and cash
    - $25,000 match, CDBG-Planning

- **WDCOM – Community Development Block Grant-Planning**
  - $25,000 state funding
    - $30,000 match, Coastal Management grant

$60,000 Harbor Master Plan project
Project – Dredging of East Twin River

- WisDOT – Harbor Assistance Program
  - $1,630,950 state funding
  - $416,500 city match
  - In-kind services – spoils management
Project - Seawall Replacement, East Twin River
Project - Seawall Replacement

- **WDCOM – Community Development Block Grant-Planning**
  - $25,000 funding for Harbor Master Plan

- **WDOA – Coastal Management Program**
  - $53,690 funding for seawall replacement feasibility and preliminary design

- **WDNR Programs**
  - $5,500 – Recreational Boating Facilities (RBF) funding for preliminary design
  - $13,000 – Sport Fish Restoration funding for design
  - $1,389,000 – RBF funding for final design and construction
  - $80,000 – Clean Vessel Act funding for vessel pump out station
  - $159,000 – Stewardship Programs (Recreational Trails Act and Urban Rivers) for park and trail amenities

- **WisDOT – Harbor Assistance Program**
  - $984,000 funding for seawall construction

- **WEDC – Community Development Block Grant-Public Facilities**
  - $500,000 funding for seawall and water main construction

$3.9 million seawall replacement, park, and trail project
Project – Veterans Park, West Twin River

- WDNR
  - $114,806 Stewardship-Urban Rivers for design and construction of a new fish cleaning station, including material handling equipment
  - $4,955 RBF for launch re-decking
  - $45,000 RBF funding for new launch ramps
  - $42,750 RBF funding for boat wash and rain garden
Project – Wave Attenuation

- USACE – Section 107
  - Feasibility Study
- US Department of Commerce – Harbor Maintenance Trust Fund
  - Pending Congressional release
- WisDOT Harbor Assistance Program
Two Rivers Waterfront Projects

$7 million in grant funding for waterfront projects since 2011
Town of Washington
Navigational Channel Dredging
Dredging of the Navigational Channel

- **Project Cost = $7,081,543**
  - WisDOT Harbor Assistance Program
    - $5.2 million
  - Town Match
    - $1.9 million in sediment management
Mechanically dredge
- to depth of 17 feet below the low water datum, to deepen the Channel by 3 feet
- to widen the Channel by 20 feet

134,500 cubic yards of dredge spoils
- transported to a Town-owned property near the center of the island
1st HAP Award
- Awarded $183,000 for Engineering, Alternative Analysis, Design, Bidding
- WisDOT request for engineering costs for phased approach
- Foth able to use the Town’s in-kind spoils management role as a match for the HAP request for dredging funds

2nd HAP Award Dredging & Disposal
- Awarded $5,182,933 dredging and disposal
- Legislative Assistance
  - concurrent with dredging application, Town worked with Senator Lasee and Assemblyman Bies to petition for the project to be completed in 1 HAP award and 1 dredging mobilization
- State Budget Allocation
  - increase HAP program for 2013 – 2014 budget from $12M to $17.2 M
  - enable funding of other projects, including Town of Washington
City of Kewaunee
Dockwall Repair
Harbor Park Improvements
Kewaunee, WI
J.1.2016

Concept D

- Gazebo (relocated)
- Tug Ludington
- Restrooms
- Overlook
- Access To Waters Edge
- Events Lawn
- New Sidewalks
  Harrison St.
- Milwaukee St. (HWY 42)
- Landmark (Sign or Sculptural Piece)
- Main St.
- Private Residence
- Parking (19 Spaces)
- Ellis St. (HWY 29)
- (4) Fishing Stations
  (2 ADA Accessible)
- Additional Parking for Pier Access (11 Spaces)
$4.2 million budget amendment (managed through WisDOT)
- $3,572,775 for dockwall repairs & improvements
- $451,272 for park improvements
- $195,871 for lighthouse repairs

Leveraging the $4.2 million HAP
- $55,000 Fund For Lake Michigan request
Breakwater Repair
- $1 million of USACE work to install armor stone along the lake side of the breakwater and in limited areas of the harbor side
- Sections D & D-1 repair
  - $425,000 WisDOT HAP
  - $600,000 WDNR RBF Leverage for Healthy Lake Erie to mine / dredge

Gateway Amenities
- Includes fishing / overview platform, boardwalks, trail connections, bioinfiltration stormwater management, wetland, and paddlecraft dock
  - $249,500 WDNR Stewardship - Acquisition & Development of Local Parks
  - $136,000 WDNR Stewardship – RTA
  - $75,000 WDOA Coastal Management
  - $77,500 Fund For Lake Michigan
$1.6 million in grant funding for breakwater improvements since 2014
- $39,600 ODNR - Coastal Management
  - $46,360 estimated project budget
  - Leverage for Healthy Lake Erie to mine / dredge
  - Sell material for beneficial reuse
  - Fund marina expansion

- Next Steps
  - 2\textsuperscript{nd} Coastal Management for implementation - $30,000 to $50,000
  - Healthy Lake Erie Fund - $300,000 to $500,000
  - Ohio Lake Erie Commission / Lake Erie Protection Fund - $60,000
$1.2 million received through Cleveland-Cuyahoga County Port Authority via the Healthy Lake Erie Fund
  ➢ 100% funding

Next Steps
  ➢ 1 to 2 more interceptors on Cuyahoga River
  ➢ 1 to 2 more interceptors at other ports in Ohio