

## Creating a Culture of Resilience Capacity Building 2023 Grant Awards, Round One Funding

The Department of Environment, Great Lakes, and Energy, Water Resources Division, Michigan Coastal Management Program (MCMP) is awarding \$465,089.20 in grant funds to coastal partners for 11 grant projects. This special funding is targeted for capacity building to focus efforts on increasing coastal communities' knowledge of coastal risks by conducting outreach, technical assistance, and training workshops on actions that lead communities to be resilient-ready.

Established in 1978, the MCMP's strategic goals are to plan for growth and change in our coastal communities; protect, preserve, restore, enhance, and wisely develop coastal areas for use and enjoyment to improve quality of life; and build partnerships to create networks that strengthen and expand the collective impact of effective and efficient coastal management. As a federally approved coastal program, the MCMP is supported, in part, by the National Oceanic and Atmospheric Administration (NOAA), U.S. Department of Commerce, pursuant to the Coastal Zone Management Act of 1972.

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**Partner:** Emmet County, #2023-COR-002  
**Grant Title:** Emmet County Resiliency Education and Ordinance Review  
**Grant Amount:** \$20,048.00 grant / \$21,670.62 match  
**Grant Timeline:** July 1, 2023 – June 30, 2024

**Project Description:** Emmet County will compile coastal education materials to send to Lake Michigan property owners in all coastal townships within Emmet County and conduct meetings in all coastal townships within Emmet County to promote education and build awareness of coastal resilience among shoreline property owners. A review of current county ordinance standards will be conducted, and a report will provide suggestions to the Emmet County Planning Commission on recommendations for local ordinances to consider improving resiliency.

**Outcome:** Homeowner educational materials and list of recommendations for local zoning ordinances.

**Program Contact:** Adam Arend, [ArendA@Michigan.gov](mailto:ArendA@Michigan.gov), Coastal Community Development Coordinator

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**Partner:** Michigan Association of Planning, #2023-COR-003  
**Grant Title:** Upper Peninsula Coastal Leadership Academy Workshops  
**Grant Amount:** \$13,307.00 grant / \$13,324.00 match  
**Grant Timeline:** July 1, 2023 – March 31, 2024

**Project Description:** In collaboration with the MCMP, the Michigan Association of Planning is organizing on the behalf of the Central Upper Peninsula Planning and Development Regional Commission and the Western Upper Peninsula Planning and Development Regional Commission three MCMP Coastal Leadership Academy (CLA), Scenario-based Planning and Zoning workshops.

**Outcome:** Three CLA workshops.

**Program Contact:** Adam Arend, [ArendA@Michigan.gov](mailto:ArendA@Michigan.gov), Coastal Community Development Coordinator

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**Partner:** Huron Pines, #2023-COR-004  
**Grant Title:** Building Resilience in Northeast Michigan Through the Lake Huron Forever Initiative  
**Grant Amount:** \$100,000.00 grant / \$100,000.00 match  
**Grant Timeline:** July 1, 2023 – June 30, 2024

**Project Description:** This funding will assist Huron Pines in their ongoing efforts on the Lake Huron Forever Initiative by coordinating quarterly meetings with a steering committee to advance the work completed to date; conduct biannual meetings with partners based in Michigan to discuss project; coordinate on funding applications, and advance work among the partners. Huron Pines will provide technical assistance to community leaders along the Northeast Michigan Lake Huron coast with identifying and developing coastal resilience project. Outreach will be conducted to coastal communities and a minimum of two communities will adopt the Lake Huron Forever Pledge. The Pledge will represent the community's commitment to the protection of Lake Huron and a call-to-action plan to implement projects that ensure clean water, robust local economies, and vibrant communities. Huron Pines will also develop three brief user guides to assist a wide audience on conducting stormwater assessments, urban forestry plans, and coastal resilience action plans.

**Outcome:** Updated webpages, user guides, and additional Lake Huron Forever Pledges.

**Program Contact:** Adam Arend, [ArendA@Michigan.gov](mailto:ArendA@Michigan.gov), Coastal Community Development Coordinator

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**Partner:** Macomb County Planning and Economic Development, #2023-COR-005  
**Grant Title:** Urban Forestry Management for a Resilient Coastal County  
**Grant Amount:** \$33,599.75 grant / \$33,599.75 match  
**Grant Timeline:** July 1, 2023 – June 30, 2024

**Project Description:** The Macomb County Planning and Economic Development will update the Urban Forestry Road Map for Macomb County that will outline a strategic direction for local urban forestry programs within the county from 2023 to 2028. Individual community canopy profiles will be developed for the 27 communities within the county. The community canopy profiles will identify strategic planting locations to address stormwater runoff and urban heat islands. Two stakeholder meetings will be held during the duration of the grant with the first meeting introducing the project with an explanation on how climate resilience will be incorporated into the project. A second meeting will follow to provide a presentation on the updated roadmap, the community profiles, and a workshop on grant writing.

**Outcome:** Updated Urban Forestry Road Map for Macomb County and 27 community profiles.

**Program Contact:** Melissa Letosky, [LetoskyM@Michigan.gov](mailto:LetoskyM@Michigan.gov), Coastal Waters Coordinator

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**Partner:** Superior Watershed Partnership, #2023-COR-006  
**Grant Title:** Assist Upper Peninsula Communities and Tribes in Prioritizing and Implementing Resiliency Projects  
**Grant Amount:** \$48,944.00 grant / \$49,078.00 match  
**Grant Timeline:** July 1, 2023 – June 30, 2024

**Project Description:** The Superior Watershed Partnership (SWP) will assist Upper Peninsula coastal communities and tribes with increasing resilience to coastal hazards. Thirty communities and tribes will receive a climate hazards perception survey to identify needs and based on the survey result, six communities will be selected for more in-depth review through field inventories. The SWP will utilize the Great Lakes Climate Corps to conduct specific field inventories in accordance with the SWP Great Lakes Inventory Plan to document existing conditions related to coastal hazards and habitat degradation; conduct training and provide technical assistance to identify resiliency projects within the communities; and assist writing/developing grant proposals.

**Outcome:** Identification of potential resiliency projects in the Upper Peninsula communities.

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**Partner:** Southwest Michigan Planning Commission, #2023-COR-008  
**Grant Title:** Building Resilience Culture in Southwest Michigan  
**Grant Amount:** \$50,800.33 grant / \$50,800.33 match  
**Grant Timeline:** July 1, 2023 – June 30, 2024

**Project Description:** The Southwest Michigan Planning Commission (SWMPC) will assist Benton Harbor with creating a green stormwater infrastructure framework to address flooding and conduct training events to educate community leaders on green stormwater infrastructure. The SWMPC will provide grant writing assistance to the city to help advance the framework after its development. The SWMPC will host three public education events and leverage the efforts being conducted by the Michigan State University who is documenting shoreline changes in the city of Bridgman. Zoning ordinances will also be reviewed and recommendations that increase coastal resilience will be presented to the Bridgman City Commission and Lake Township Board.

**Outcome:** Green stormwater infrastructure framework and educational materials in Benton Harbor and zoning ordinance recommendations in Bridgman.

**Program Contact:** Adam Arend, [ArendA@Michigan.gov](mailto:ArendA@Michigan.gov), Coastal Community Development Coordinator

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**Partner:** Tip of the Mitt Watershed Council, #2023-COR-009  
**Grant Title:** Tip of the Mitt Coastal Community Resilience  
**Grant Amount:** \$14,837.00 grant / \$15,095.00 match  
**Grant Timeline:** July 1, 2023 – June 30, 2024

**Project Description:** Tip of the Mitt (TOM) will host two MCMP CLA training workshops, one Scenario-based Planning and Zoning and one Nature-based Solutions to Reduce Coastal Risks training workshops in Cheboygan County. TOM will create a web based StoryMap for the Little Black River Watershed, which outlets to Lake Huron near Cheboygan. The StoryMap will include a map of the watershed, historical information, and identify nonpoint source pollution threats with a focus on resiliency. TOM will also plan and host a one-day Charlevoix County Planner's Forum for all local government officials in Charlevoix County to discuss resiliency and ordinances targeted for better shoreline protection on Lake Charlevoix. In addition, four existing permit guides previously developed by TOM will be updated with the most current information on water protection laws. The permit guides will be available digitally and hard copies will be provided to local government offices for outreach purposes.

**Outcome:** Little Black River Watershed StoryMap, updated permit guides, a planner's forum in Charlevoix County, and two CLA modules.

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**Partner:** Land Information Access Association, #2023-COR-010  
**Grant Title:** Resilient Michigan, A Coastal Community Matching Grant Program  
**Grant Amount:** \$75,000.00 grant / \$75,000.00 match  
**Grant Timeline:** July 1, 2023 – June 30, 2024

**Project Description:** The Land Information Access Association (LIAA) will continue their Resilient Michigan Program by assisting coastal communities to build resilience principles into their Master Plans and policies and meet the planning needs of each participating community. LIAA plans to advertise the program and work with interested communities to develop locally relevant work plans to improve resilience. LIAA will utilize their sustainability assessment to review Master Plans of participating communities and provide a report of recommended actions the community can take. LIAA will also offer further services to participating communities, including working with zoning ordinances and any manner of other municipal planning processes that have a direct impact on community resilience (e.g., hazard mitigation plans, waterfront redevelopment plans, transportation plans, downtown plans, brownfield redevelopment, etc.). The outcome will be a variety of planning and zoning actions intended to improve coastal resilience within the participating communities.

**Outcome:** Resilient planning and zoning documents for participating Michigan coastal communities.

**Program Contact:** Adam Arend, [ArendA@Michigan.gov](mailto:ArendA@Michigan.gov), Coastal Community Development Coordinator

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**Partner:** Harrison Charter Township, #2023-COR-011  
**Grant Title:** Resilient Harrison: 2040 Master Plan  
**Grant Amount:** \$30,000.00 grant / \$30,000.00 match  
**Grant Timeline:** July 1, 2023 – June 30, 2024

**Project Description:** Harrison Charter Township will update their Master Plan to incorporate resiliency principles identified in their 2022 Sustainability Assessment recommendations conducted by LIAA via their Resilient Michigan Program. The updated Master Plan will document the change in lake levels over the last few decades and identify high-risk areas, while also considering floodplain maps and location of critical infrastructure. The township will establish a set of policies that will guide decisions related to sustainable land use and development, greenspace and trail network planning, stormwater management, green infrastructure design, complete streets, and coastal management. The township will utilize input from community residents and relevant stakeholders gathered through public engagement to inform the vision and recommendations included in the Master Plan update.

**Outcome:** Master Plan update with resiliency principles.

**Program Contact:** Adam Arend, [ArendA@Michigan.gov](mailto:ArendA@Michigan.gov), Coastal Community Development Coordinator

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**Partner:** Economic Development Corporation of the city of Detroit, #2023-COR-012  
**Grant Title:** Jefferson Village Park Design and Planning  
**Grant Amount:** \$25,750.00 grant / \$25,750.00 match  
**Grant Timeline:** July 1, 2023 – June 30, 2024

**Project Description:** The Economic Development Corporation (EDC) will finalize plans to develop publicly owned vacant land adjacent to the Detroit River in the Jefferson Village subdivision into a 3.9-acre park. The park design to include nature-based solutions such as bioretention and rain gardens to help address coastal stormwater and flooding impacts to the area. EDC will develop preliminary designs for the park and hold two community meetings where residents and stakeholders will provide input into the design. Community feedback will be incorporated into the final park designs.

**Outcome:** Preliminary engineering designs and plans for nature-based solutions at Jefferson Village Park.

**Program Contact:** Melissa Letosky, [LetoskyM@Michigan.gov](mailto:LetoskyM@Michigan.gov), Coastal Waters Coordinator

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**Partner:** City of New Baltimore, #2023-COR-013  
**Grant Title:** Walter and Mary Burke Park Shoreline Naturalization Planning and Engineering Designs  
**Grant Amount:** \$52,803.12 grant / \$52,803.12 match  
**Grant Timeline:** July 1, 2023 – June 30, 2024

**Project Description:** The city of New Baltimore will develop planning and engineering designs for a naturalized shoreland to replace a failing vertical seawall at Walter and Mary Burke Park located along Anchor Bay in Lake St. Clair. The shoreline naturalization project will protect the shoreline from further erosion resulting from high lake water levels and severe weather events, while improving aquatic and habitat quality. Design elements will include softening the shoreline with native vegetation and upland bioswales, nearshore habitat structures, and offshore wave attenuation structures. Data on existing conditions will be gathered to ensure successful design, including a topographic survey, hydrodynamic modeling, habitat surveys, and soil testing. The city will seek guidance and go through the state's permitting processes prior to finalizing plans. The resulting plan will help guide design of shoreline naturalization to help protect against surge flooding and continued erosion at Walter and Mary Burke Park.

**Outcomes:** Planning and engineering designs for a naturalize shoreland at Walter and Mary Burke Park.

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