

DEQ Grants and Loans

Amy Peterson

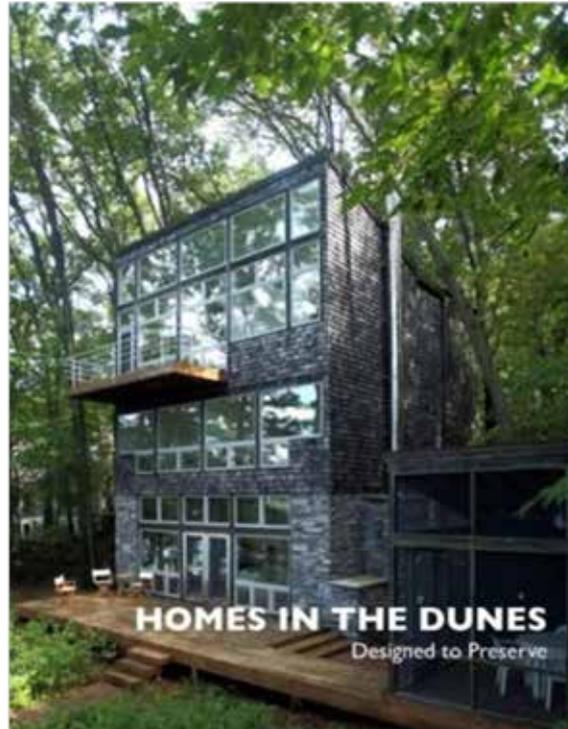
Michigan Department of Environmental
Quality

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Coastal Zone Management Program

- Authorized under federal CZM Act of 1972
- Administered by the National Oceanic and Atmospheric Administration, in partnership with coastal states
- Michigan's appropriation is \$2.5 million; pass through grants is \$1 million



Coastal Zone Management Goals and Objectives

To promote wise management of the cultural and natural resource of Michigan's Great Lakes coast

- Increase and improve public access to the Great Lakes coastline
- Assist coastal communities to plan and protect from coastal hazards
- Revitalize urban waterfronts and ports
- Preserve cultural and historic maritime resources
- Further research to support science-based policies and regulations



Coastal Zone Management Program Details

Eligible applicants:

- Coastal units of government (cities, counties, villages, and townships)
 - Regional planning agencies
 - Universities and school districts
 - Tribal governments
 - Nonprofit organizations
-
- 1:1 non-federal match required: cash, in-kind services, or donations
 - Maximum grant amount \$100,000
 - Minimum grant amount \$10,000

Coastal Zone Management Program Coastal Hazards Project

Seek to improve swimmer safety at Great Lakes beaches by:

- Improving scientific knowledge of:
 - Dangerous current formation
 - Locations and persistence of dangerous currents
- Improving messaging and outreach

Additional information:

www.dangerouscurrents.org

www.currentsmart.org



Coastal Zone Management Program Water Quality Project – Houghton

- Soft-shore Approaches
- Coir logs used to reduce erosion and sedimentation into Portage Waterway



Coastal Zone Management Program

Coastal Community Development

Saginaw Bay Birding Trail Growth and Sustainability Project



Brownfield Redevelopment Program

- Provides grants, low-interest loans, and tax increment financing to local units of government.
- To facilitate cleanup and redevelopment at contaminated properties.



Brownfield Redevelopment Program

Eligible Applicants: Local units of government including a county, city, village, or township or a Brownfield Redevelopment Authority (BRA).

Applicant Annual Limits:

- 1 Grant of up to \$1M
- 1 Loan of up to \$1M

Loans Terms:

- 1.5% rate
- 5 years payment & interest free



Brownfield Redevelopment Program

What's Eligible

- Phase I & II Site Investigations, Baseline Environmental Assessments
- Due care activities
- Demolition
- Additional response activities



Brownfield Redevelopment Program

Example: Uptown at Rivers Edge, Bay City

- \$1 M grant; \$1 M loan
- \$6.7 M tax increment financing
- DEQ funded investigation, demolition and due care activities
- Private Investment:
 - ~\$45 Million
 - Estimated 940 jobs upon completion



Industrial Brownhoist Property



Source Water Protection a.k.a. Wellhead Protection

Funding for community public water supplies to protect their source water.

Grant eligible activities:

- Determine areas supplying drinking water
- Inventory contaminant sources
- Develop management strategies
- Public education and outreach
- Develop and implement a program plan

Grant assistance equals local match

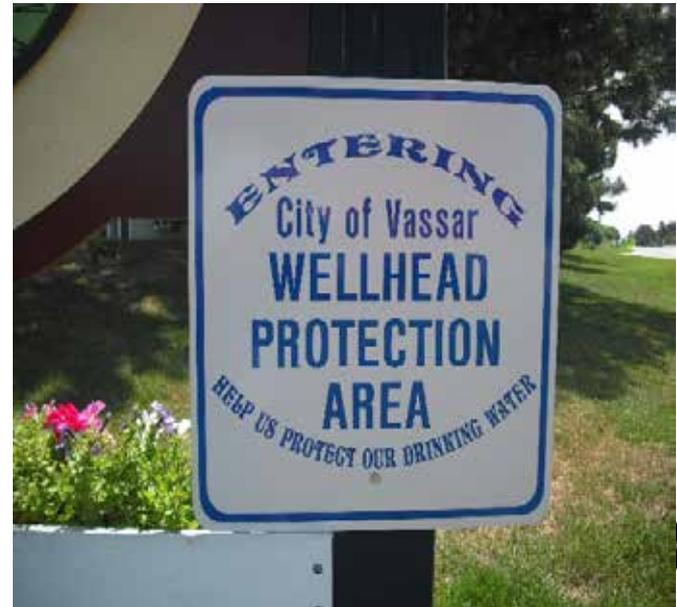
Source Water Protection Grant Requirements

- Applications available May 1st annually
- Proof of local match.
- Long-term commitment to obtain a state approved Source Water Protection Program.
- Source Water Protection Team with representation by Superintendent, the municipality, and at least one additional member.
- **Application deadline of June 15th annually.**

Source Water Protection

Village of Vassar

- Source water protection plan approved in 2011.
- Vassar grants included 6th grade tour to the Bay City water treatment plant, presentations to schools, placemat design contest, and protection plan development



Source Water Protection City of Kalamazoo Movie Ads



What gets to the street... gets to the creek!

Be careful to:

- Keep fertilizer off walks and driveways
- Pick up pet waste and dispose of properly
- Not dump oil, chemicals, or any other hazardous substance down storm drains

www.protectyourwater.net
Funded by a grant from the Michigan Department of Environmental Quality

Improper disposal of household hazardous chemicals can contaminate groundwater, our source of drinking water

Please dispose of your household hazardous chemicals at Kalamazoo County's Household Hazardous Waste Center located at 1301 Lamont St.

www.protectyourwater.net
Funded by a grant from the Michigan Department of Environmental Quality

Scrap Tire Program: Two Types of Grants

Clean Up Grants

- Main applicants:
 - § Counties
 - § Local Units of Government
- Main Goals:
 - § Community Drop Off Days
 - § Specific Site Clean Ups

Must submit an application packet by Oct. 30th

Market Development Grants

- Main applicants
 - § Universities, Businesses and County Road Commissions
- Main Goals
 - § Research and Development
 - § Product Development
 - § Road Projects

Must submit a Letter of Interest by Oct. 30th

Approved LOIs will be asked to submit an application



Scrap Tire Program: Bay County Mosquito Control

- 2015 Clean Up Grant - \$6,000
- Residents of Bay County able to drop off 10 scrap tires
- May 30th 2015 = **2,115** passenger, truck, and oversized tires collected



Photos: Bay County residents bring their old scrap tires to the 2015 Spring Scrap Tire Drive.
Photos courtesy of Bay County Mosquito Control

Scrap Tire Program: Cobalt Holdings, LLC, Sturgis

- Scrap tire recycling and manufacturing business
- Process ~30,000 tons of scrap tires every year
- Create new and various products for market
- Granted \$350,000 in 2015 for new equipment

Below Left: Cobalt's new processing equipment purchased with help from a 2015 Scrap Tire Grant.
Below Right: Cobalt's rubber landscape mulch. One of their many products.



Nonpoint Source Program

- Eligible:
 - State, County, and Local Governments
 - Colleges and Universities
 - Not for Profit Organizations
- Annual RFP for about \$4 million.
- Implement approved watershed plans.
- Projects must protect or restore water bodies by addressing nonpoint source pollution.
- \$25,000 minimum request; no maximum,
- 25% local match required.
- RFP released ~ 7/20/2016; due 10/14/16

Nonpoint Source Program Fitzgerald Creek Cattle Exclusion



BEFORE



AFTER



Nonpoint Source Program

Michigan Avenue Bioretention Facilities



Nonpoint Source Program

Allen's Creek Rain Garden - 19 Rain Gardens



BEFORE



AFTER

A 90 ft² garden with 24 ft³ of storage

Nonpoint Source Program

Sebewaing River Tillage and Crop Cover

Best Management Practices:

- Corn Stalk Residue (5,100 acres)
- Tillage Comparison Plots (2,300 acres)
- No-Till (800 acres)
- Tillage Demonstration Plot (40 acres)

Annual Load Reductions:

- Sediment: 29,346 tons
- Phosphorus: 14,497 pounds
- Nitrogen: 29,152 pounds



Storm Drain Stenciling Village of Sebewaing.



Corn stalk residue left in place over winter reduces wind and water erosion and sediment and nutrient deposition. Corn stalks also provide wildlife cover and a winter food source.



I&E Activities:

- Storm Drain Stenciling-Village of Sebewaing
- McNeil Demo Plot
- Sebewaing Sugar Festival
- Stream Monitoring
- Clean Sweep



Nonpoint Source Program

Other projects



BEFORE



AFTER



Community Pollution Prevention

- Goal: bring government, businesses, planning agencies, and residents together to achieve measurable reductions in waste using innovative sustainable pollution prevention practices.
- Began in 2002.
- Recent focus: recycling.



Photo by Paul Vasarhelyi

Community Pollution Prevention

- Eligible: local and tribal governments, local health departments, non-profits and regional planning agencies.
- \$100,000 maximum request.
- 25% minimum match.
- Must be complete in 2 years.
- Must achieve measurable reductions in waste, have a local or regional focus and result in long-term environmental improvements.
- In 2014, \$250,000 was awarded to 3 grantees.
- In 2015, \$635,500 was awarded to 14 grantees.
- In 2016, \$241,800 was awarded to four grantees.

Community Pollution Prevention West MI Sustainable Business Forum

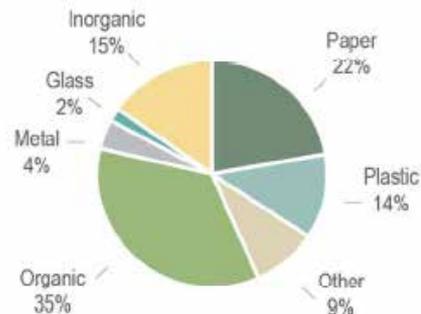
\$50,300 grant in 2014 to:

1. Determine the composition of Michigan Municipal Solid Waste (MSW) being disposed of in landfills and incinerators.
2. Compare the composition of Michigan's MSW to the MSW waste of other Midwest states.
3. Complete an economic analysis of MSW composition.
4. Complete an assessment of hazardous waste concerns for electronic materials sent to landfill.
5. Complete an additional evaluation of local regionally specific composition issues.
6. Write, release and publicize a comprehensive report.

Community Pollution Prevention West MI Sustainable Business Forum



FIGURE 2-1
Michigan Municipal Solid Waste Composition
(mean % by weight)



Community Pollution Prevention

The 2016 CP2 projects focus on food waste reduction and diversion.

- The EPA Food Recovery Hierarchy was one factor used to evaluate grant proposals.
- The 2016 CP2 projects selected for funding are:
 - Feeding America West Michigan - \$100,000
 - Delta Institute - \$91,150
 - Wayne County Airport Authority - \$45,650
 - Love INC Tri-Cities - \$5,000



Community Pollution Prevention Tuscola County Recycling Facility

- \$22,000 grant awarded in 2015
- Drop-off recycling trailer in Cass City, Mayville and Millington
- ~8,000 pounds recycled material collected as of March 31, 2016



Paul Fuller, material handler for Tuscola County Recycling Facility
MECC 2016



Photo by Mihail Degteariov

Clean Diesel Program

- Started in 2008
- Diesel Emissions Reduction Act and National Clean Diesel Campaign
- Past projects: reduced emissions from school busses, trucks, marine engines and construction equipment
- Emphasis the last few years: replacement of old trucks
- Eligible applicants: govt. agencies, public and private schools, non-profits, metro planning agencies, port authorities, private business and industry.
- 75% minimum match
- Restrictions per each type of vehicle/equipment

Clean Diesel Program

Southwest Detroit Environmental Vision

In 2016, Southwest Detroit Environmental Vision received \$223,275 to replace five, old trucks with new trucks that meet or exceed the current highest U.S.EPA emissions standards.



Forgotten Harvest, a SDEV Clean Diesel project partner, celebrated the delivery of one of their new refrigerated trucks last December with representatives from SDEV, DEQ and Mercedes-Benz Financial Services.

Michigan Clean Water Corps (MiCorps)

Two core volunteer monitoring programs that support local units of government, nonprofit entities, and other volunteers around the state

- The Volunteer Stream Monitoring Program
- The Cooperative Lakes Monitoring Program



MiCorps

Volunteer Stream Monitoring Grants:

Eligible: Local units of government and nonprofit entities

- Full Macroinvertebrate Grants - \$8,000 to \$14,000 for two year projects
- Start-up Macroinvertebrate Grants – Up to \$3,000 for one year project
- Road/Stream Crossing Grants - Up to \$8,500 for one year project
- Stream Flow Grants - Up to \$7,500 for one year project



MiCorps

Start-up Macroinvertebrate Grant

2016 Grantees

Missaukee Conservation District, Upper-Central
Muskegon River, \$2,698

Jamestown Charter Township, Rush Creek, \$2,990



Local Monitoring

Volunteer River, Stream and Creek Cleanup Grants:



- Eligible: LUGs, watershed councils, Universities
- \$500-\$5,000 for 1-year project
- 2016: 16 grantees around the state
- Uses license plate money
- Administered by MiCorps in cooperation with DEQ

Michigan Department of Environmental Quality

800-662-9278

www.michigan.gov/deq and
search for grants and loans



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