

Minutes: CATF Meeting- Thursday, October 17, 2019 - 1:00 p.m. Cohodas Rm. 604

In attendance: Emily Leach, Karen Alholm, Tom Tourville, Greg Seppanen, Jerry Messana, Jim Malewitz, Bob Kulisheck, Gail Anthony, Megan Murphy, Jes Thompson, Tyler Penrod, Martha Gerig, Brad Neumann, Dave Stensaas

1. Outreach:

- Bridge Magazine- Jim Malewitz
 - Jim is writing an article to generate national attention on storm drainage, zoning regulations, increased flooding, and storms. He is visiting the Keweenaw to observe the recovery from the Father's Day Flood and has heard that Marquette could serve as a national model for climate resiliency and planning.
 - Jim will be visiting the Climate Open House at the Peter White Public Library tonight.
- Climate Open House at the Peter White Public Library from 3 p.m. - 8 p.m. tonight.
- Forest Roberts Theater Climate Change Show
 - Titled: "What We Leave Behind: Addressing Climate Change Through Dance."
 - Bill Digneit from the NMU Theatre Department is overseeing a production featuring over 30 individuals including dancers and multimedia presentations focusing on climate change, science, and the arts.
 - There are 3 evening performances and 2 matinees November 7-9, 2019.
 - There will be a xylophone made of ice melting during the performance.
 - The performance will be recorded and viewed by the Kennedy Institute.
 - Local environmental groups are invited to host booths and share information in the lobby before and after the show.

2. Welcome and Introductions

- Emily shares that she has begun a new career as a Marquette County Planner.
- Martha Gerig has begun a new career with Michigan Sea Grant in the MSU Extension Office as an educator.
- Megan Murphy is visiting with Gail as a guest of the CFofMC.

3. NCN/ NMU Update (Jes)

- NCN Climate@Noon on turning retired mine shafts into battery storage was wonderful, but lightly attended.
- Nov. 1 Climate@Noon presentation will focus on GLOW project with presenters Gail & Brad.
- NSF Project launched recently:
 - Dec.6 - First workshop focused on Marquette County geospatial analysis of coastline.
 - Feb. 21 - Second workshop focused on systems mapping.
 - (Date TBD) - Third workshop focused on scenario planning for the future with the goal of securing future NSF funding.
- EcoReps is a sustainability brand ambassador and community outreach student organization. They work on zero waste events, campus campaigns, and community outreach. Jes is the faculty advisor for the group. Jes will be taking 4 EcoReps to Spokane, WA to present their projects at a conference.

4. MACHAP Update (Brad)

- Summarized in the contents of Appendix I. Focused on re-cap of the September 18, 2019 MACHAP Adaptation Action Workshop and MACH A2 grant.
 - Marquette, Sands, and Chocolay township supervisors agreed that water is a critical issue for the townships and they plan to begin working on the issue together. They're interested in the correct form of surveys.
 - Brad anticipates two Marquette County communities to receive the MACH A2 grant.
- CATF Membership Committee will consider the representation of the new Marquette Township Climate Adaptation Task Force on CATF. The CATF Membership Committee will also consider Martha Gerig for CATF membership as a representative of Michigan Sea Grant.
 - CATF will reach out to chair of the Marquette Township task force, Mike Springer, to gauge their interest in joining CATF. The creation of the township task force was prompted by MACHAP's announcement of the MACH A2 grant opportunity at the MACHAP Adaptation Action Workshop.
- Brad hopes that CATF will help track the implementation of these projects to provide better leverage for future grant opportunities.

5. CFofMC Update (Gail)

- The community environmental monitoring program partnership with SWP, Eagle Mine, and KBIC agreement tentatively extended until 2025.
- Solar array on bank, CFofMC, and Ishpeming family awaiting results from year of monitoring. CFofMC anticipating positive energy and cost reduction results.
- Common Future Project: 3 committees continue to work on projects for the City of Ishpeming.
 - Recreation Committee - Dog park
 - Marketing Committee – Marketing for Ishpeming Schools
 - Housing and Blight Committee – Removal of blighted buildings
- The Common Future Project anticipates selecting two new communities each year.
- Accepted \$25,000 grant to be announced later.
- Granted \$100,000 to assist in Census counting efforts in Marquette County.
- GLOW is a regional project focused on 27 Great Lakes coastal communities. Marquette will be using its funding to install four residential and two business rain gardens.
- Next week Gail and Brad will be in Cleveland, OH for Great Lakes One Water Partnership meeting to leverage additional funding.
- Office has moved downtown from Range Bank to 228 W Washington. Same rent with double the square footage.

6. SWP Update (Tyler)

- SWP's 20th Anniversary celebration is at 5:30 p.m. on November 7 at the Marquette Regional History Center. A video introduction will be given by Bill McKibben followed by a speech by Dr. David Suzuki. Tickets may be purchased for \$25 on Eventbrite or at the SWP office.
- Hawley St. coastal restoration project is underway. It's a 15 acre green infrastructure project to create artificial wetlands and divert wastewater from entering Lake Superior directly.

- The Energy Conservation Corps added an additional crew to continue their low income home energy assessments.
 - SWP is planning 10 additional low income solar installations for 2020.
- Pending grants:
 - \$800,000 grant proposal submitted yesterday to repair and protect 500 feet of shoreline from erosion. The city of Marquette is worried they will lose sections of the Iron Ore Heritage this winter due to high lake levels and strong storms. The DNR will match the grant should it be awarded for this project.
 - \$9.5 million BUILD grant pending from US DOT for Porcupine Mountains road erosion prevention.
- Regional Water Study
 - SWP has an agreement with North Jackson Co. for compiling data on surface and ground water as well as identifying and monitoring new points of interest.
 - SWP has committed \$1,000 to begin the study, but additional partners and funding is are needed.
 - Brad and Emily would both like to be involved in the regional water study. Brad suggests partnering with the Marquette, Sands, and Chocolay township supervisors who expressed interest in conducting water surveys together at the 2019 MACHAP Adaptation Action Workshop.

7. County Update (Emily)

- Marquette County is updating their Master Plan for the first time since the 80's.
 - Asked CATF meeting attendees to complete survey at www.mqtcoplan.org
- Applying for FEMA grant to update Hazard Mitigation Plan in 2020.
- Emily is replacing Lauren as CATF representative for the county.

8. Presentation by Martha Gerig; Michigan Sea Grant Educator, MSUE

- Completed her PhD at Notre Dame in crop rotation and Nitrogen additions.
- Streams carry Nitrogen and other nutrients to the coasts (oceans and Great Lakes).
- Streams process 50% of Nitrogen before they reach the coasts.
- Denitrification in rivers produces nitrous oxide (a GHG 300 times more potent than CO₂). Human additions of Nitrogen contribute to 10% of nitrous oxide in our atmosphere (nitrous oxide is 300 times more potent as a GHG than CO₂.)
- As a MISG educator, Martha will be educating, communicating, and researching: water levels, erosion, flooding, warming waters, HAGs, extreme precipitation in the Lake Superior and Michigan watersheds.
- Contact info for collaboration: gerigmar@msu.edu C:847-845-6792 & O:906-315-2662

9. Good of the order

- As his second meeting since his retirement as Chair of CATF, Bob is pleased with the direction of CATF.
- Adjournment 2:34 p.m.

Next Meeting: January 23rd, 2020 at 1:00 p.m.

Appendix I

Marquette Area Climate & Health Adaptation Action Workshop Re-Cap and Grant Opportunity

September 18, 2019

Michigan Department of Health and Human Services, Michigan State University Extension
and School of Planning Design and Construction, Marquette County Health Department,
Marquette Climate Adaptation Task Force, Superior Watershed Partnership

Project Purpose and Funding

The Marquette Area Climate & Health Adaptation Project (MACHAP) is a pilot program to build adaptive capacity at the local level by integrating public health considerations into existing community and climate adaptation planning. The project is made possible through funding from the Centers for Disease Control and Prevention and a project team from the Michigan Climate & Health Adaptation Program in the Michigan Department of Health and Human Services, MSU School of Planning, Design and Construction, MSU Extension and local partners in Marquette County, including the Marquette County Health Department, Superior Watershed Partnership and the Marquette County Climate Adaptation Task Force.

Background

Since 2017, the project team has worked with dedicated community members and stakeholders to determine the area's priority climate and health concerns, engage and educate impacted communities, and identify priority strategies to address these concerns. This effort produced the Marquette Area Climate & Health Adaptation Guide: www.canr.msu.edu/climatehealthguide. The three-volume guide includes visual imaging, design and planning strategies, and priority goals to address the area's main concerns: Vector Awareness, Air Quality, Emergency Response/Extreme Events, and Water Related Concerns.

MACHAP Adaptation Action Workshop Re-Cap

The next phase of the project began with the Adaptation Action Workshop on September 18, 2019 at the Marquette Township Hall. 17 stakeholders representing at least 10 jurisdictions around Marquette County met to discuss the implementation of Marquette County's climate and health adaptation priorities. Participants reviewed the project progress, shared updates on priority climate and health initiatives, and in groups determined action steps for the next year to implement the short-term actions of the priority goals. The group also discussed the MACH A2 Grant opportunity (details below). The short-term actions for the next year which the groups addressed are to:

1. Increase public awareness and education about ticks;
2. Increase surveillance and data collection for ticks;
3. Engage in community energy planning with the City of Ishpeming as part of their Master Plan update;
4. Provide technical assistance to Negaunee and Ishpeming to develop pedestrian/bike plans;
5. Inventory and map infrastructure most prone to flooding; and
6. Create a Regional Water Coalition.



COMMUNITY GRANT OPPORTUNITY: Marquette Area Climate & Health Adaptation Action Grant (MACH A2 Grant)

The MACH A2 Grant is a pilot grant designed to assist up to two Marquette County communities address health-related climate concerns. Through a graphic visioning process, communities will gain a set of images and recommendations to guide adaptation improvements. Projects completing the MACH A2 Grant process may also be eligible to apply for additional implementation funding. To learn about this grant and eligibility requirements, please [download the grant flyer](#) or visit <https://www.canr.msu.edu/spdc/research-outreach/sbei>. **Applications are due by October 18, 2019.**

Next Steps

The next steps of the project are to:

1. Complete and implement year-one action steps
2. Submit and review MACH A2 Grant applications and select two Marquette County communities
3. Schedule MACH A2 Grant community meetings (Fall 2019 & Winter 2020)

Contact for more information

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