

# WATER & LAND USE

MARQUETTE 2049 CLIMATE CHANGE LEARNING CIRCLE

Wednesday, December 4, 2024

Northern Center, Ballroom III

10:00 - 11:30 a.m.

## Circle Overview

As a thriving community, located along the shore of Lake Superior, the role of water and land use in climate change adaptation could not be more important. Both water and land use significantly influence local ecosystems, economic activities, and community resilience. Effective water management helps maintain lake health and supports biodiversity, while sustainable land use practices can mitigate erosion, protect habitats, and enhance carbon sequestration. In this Learning Circle, participants will discuss the ideal future for Marquette's water and land use strategies. We will explore how we can better adapt to climate impacts such as rising temperatures, altered precipitation patterns, and increased storm intensity. Additionally, we explore how effective water and land use planning promotes public health, recreational opportunities, and economic stability, ultimately fostering a more resilient community in the face of climate change.

## Pre-Circle Resources:

Overview of Ecosystem Services. (prepared by Dave Stensaas, City Planner, City of Marquette )

<https://marquettecountycatf.org/wp-content/uploads/2024/11/Ecosystem-Services.pdf>

Overview of Land Use Fundamentals (prepared by Dave Stensaas, City Planner, City of Marquette )

<https://marquettecountycatf.org/wp-content/uploads/2024/11/Land-Use-Fundamentals.pdf>

Local Land Use: Founders Landing Case Study (created by Michigan EGLE)

<https://www.youtube.com/watch?v=WkV3jkcNYT4>

## Learning Circle Questions

1. What is your **ideal vision** for our area's water and land use over the next 25 years?
2. What **problems** do you see that might interfere with reaching that ideal vision?
3. What can we do **today** to help ensure that we are working toward your table's ideal vision?