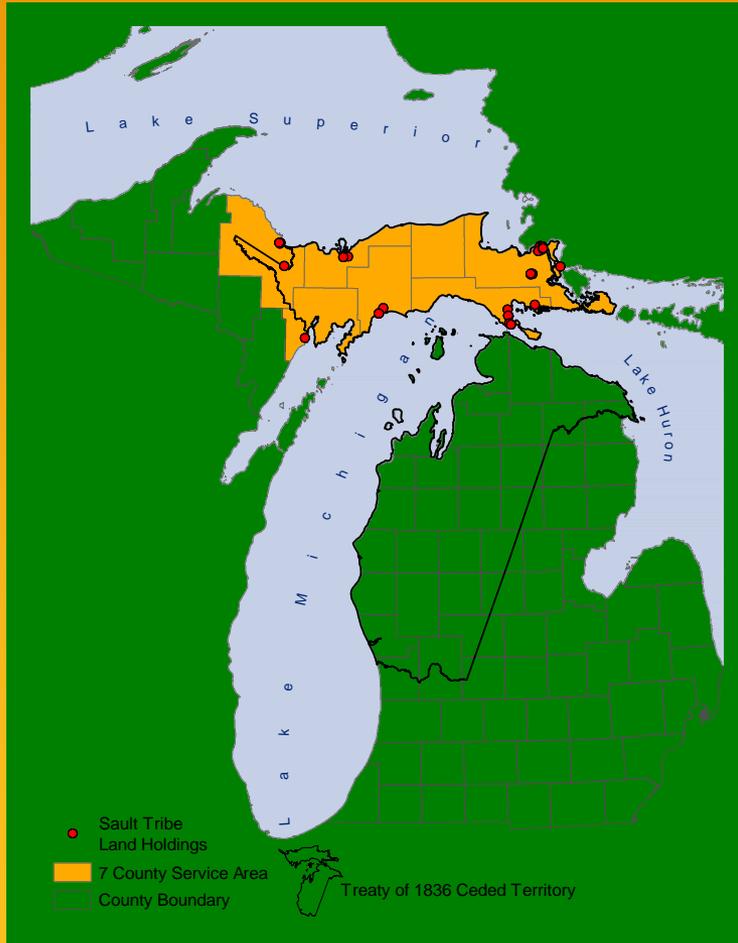


# **Sault Ste. Marie Tribe of Chippewa Indians**

**Governmental Building Energy Audits**

October 27, 2010

# Summary of Sault Tribe



- 🍁 Federally Recognized in 1972
- 🍁 Approximately 40,000 Tribal Members
- 🍁 7-County Tribal Service Area
  - Eastern Upper Peninsula of Michigan
  - Approximately 1,600 Acres Held in Trust
  - Upper Peninsula – 16,452 Square Miles
  - Tribal Service Area – 8,573 Square Miles

# Project Overview

## Conduct Energy Audits

- 20 Tribally-Owned Governmental Buildings
- Procurement of Qualified Contractor

## Energy Audit Summary Report

- Basis for Prioritizing and Addressing Building Inefficiencies to Reduce Energy Consumption and Expenses

## Develop Action Plan to Address Findings

## Develop Process for Ongoing Monitoring of Targeted Results from Energy Improvement Implementations

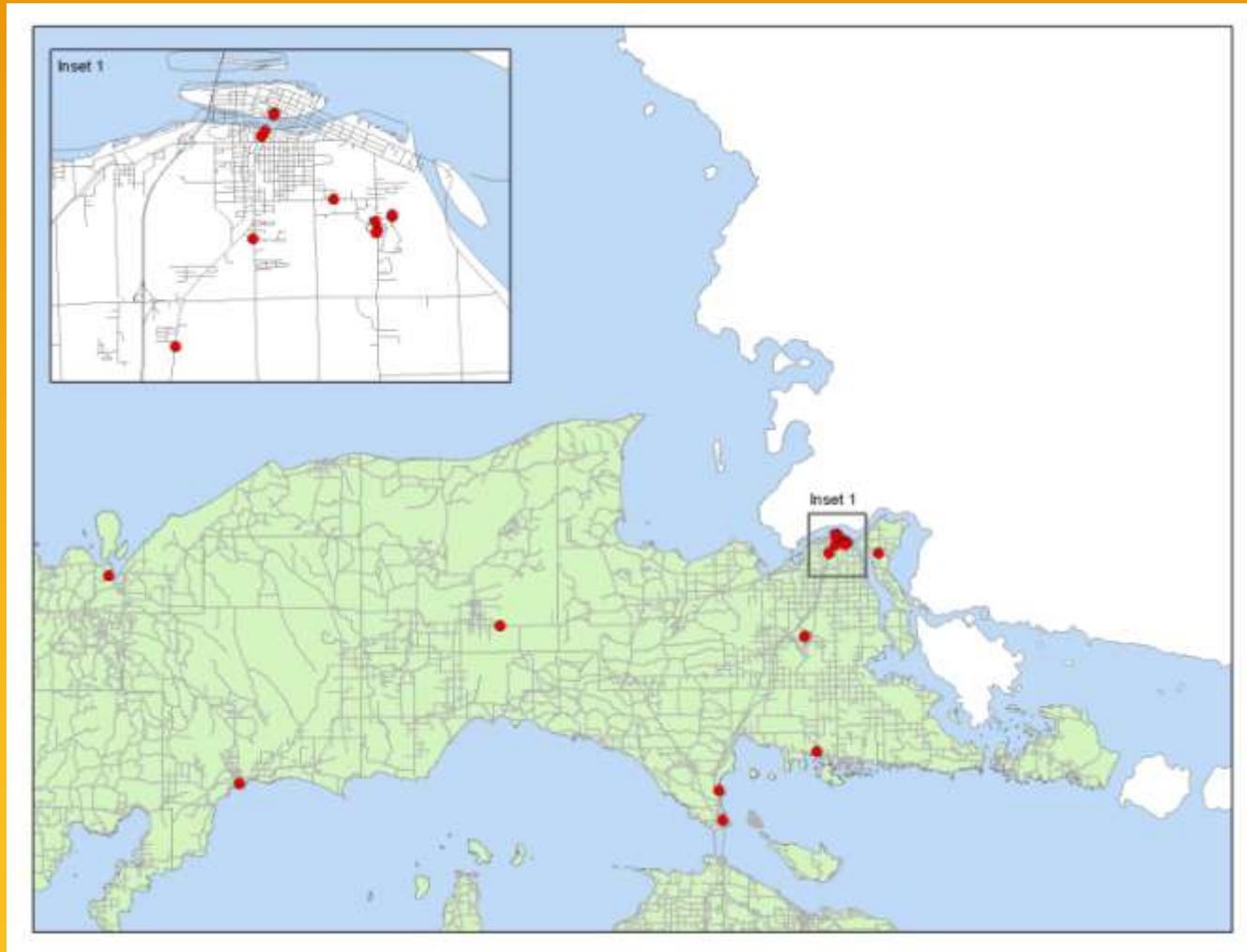
# Project Locations



## 20 Tribally-Owned Governmental Buildings

- **Upper Peninsula of Michigan**
- **Across Rural 7-County Tribal Service Area**
- **Diverse Mixture of Tribal Building Locations & Uses:**
  - **Cultural & Ceremonial Centers**
  - **Elderly Centers**
  - **Judicial Building**
  - **Health & Human Services Clinics**
  - **Recreation & Community Centers**
  - **USDA Food Storage & Distribution Center**
  - **Elementary School & Child Care Center**
  - **Office Buildings**
  - **Retail & Service Facilities**

# Project Locations (Continued)



# Project Locations (Continued)



## Chi Mukwa Community Recreation Center

### ■ **Sault Ste. Marie, MI**

■ **Recreation Center – 150,000 Square Feet**

■ **2008 Energy Cost \$335,542**

■ **2009 Energy Cost \$234,983**

# Project Locations (Continued)



## Tribal Administration Complex (2 Buildings)

### ■ Sault Ste. Marie, MI

■ Office Building – 70,792 Square Feet

■ 2008 Energy Cost **\$113,816**

■ 2009 Energy Cost **\$102,986**

# Project Locations (Continued)



## Tribal Health Center

### ■ Sault Ste. Marie, MI

■ Health Clinic – 49,950 Square Feet

■ 2008 Energy Cost **\$137,947**

■ 2009 Energy Cost **\$125,317**

# Project Locations (Continued)



## JK Lumsden School

### ■ Sault Ste. Marie, MI

■ School Building – 44,905 Square Feet

■ 2008 Energy Cost \$95,617

■ 2009 Energy Cost \$61,476

# Project Locations (Continued)



## Tribal Health Clinic / Community Center

### ■ **Manistique, MI**

- **Health Clinic / Community Space – 24,822 Square Feet**
  - **2008 Energy Cost \$60,675**
  - **2009 Energy Cost \$49,753**

# Project Locations (Continued)



## Tribal Health Clinic / Community Center

### ■ **Munising, MI**

- **Health Clinic / Community Space – 21,000 Square Feet**
  - **2008 Energy Cost \$46,115**
  - **2009 Energy Cost \$40,337**

# Project Participants



## Project Oversight:

- Tribal Board of Directors
- Executive Office
- Tribal Budget, Accounting, Human Resources, Purchasing and Planning and Development Departments



## Project Staffing:

- Project Director / Business and Technical Contact
- Comptroller
- Facilities Management and On-Site Operations Personnel
- Assigned Support Staff



## Qualified Energy Audit Provider:

- Established Tribal Procurement Policies and Procedures
- Request for Proposals (RFP)
- Bid Advertisements, Site Inspections and Public Bid Opening
- Bid Analysis, Contract Approval and Award

# Project Objectives

-  **Procure Qualified Energy Audit Provider**
-  **Conduct Energy Audits**
-  **Conduct Project Progress Meetings**
-  **Review Energy Audit Summary Report**
-  **Create Findings Action Plan / Strategies**
-  **Develop Process for Ongoing Monitoring of Targeted Results from Energy Improvement Implementations**
-  **Present Project Communications and Executive Presentations**
-  **Submit Required Grant Reporting**
-  **Attend DOE Annual Program Reviews**

# Project Status



## Accomplishments:

- Worked on Procurement of Qualified Energy Audit Provider
- Conducted Project Progress Meetings
- Presented Project Communications and Executive Presentations
- Submitted Required Grant Reporting
- Attended DOE Annual Program Reviews



## Lessons Learned:

- Energy Auditing Standards – State of Michigan Energy Office
- Rebuild Michigan Program



## Activities Yet to Be Completed:

- Conduct Energy Audits of 20 Tribal Governmental Buildings
- Review Energy Audit Summary Report
- Create Findings Action Plan / Strategies
- Develop Process for Ongoing Monitoring of Targeted Results from Energy Improvement Implementations

# Future Plans

-  **Develop Energy Retrofit Specifications for Each Tribal Governmental Building Based on Energy Audit Findings**
-  **Apply for Grants to Address Tribal Governmental Building Retrofit Needs**
-  **Implement Tribal Governmental Building Retrofits to Maximize Energy Efficiency**

# **Sault Ste. Marie Tribe of Chippewa Indians**

**Sault Tribe is implementing energy retrofitting to protect natural resources, improve Tribal membership economic well-being, foster self-sufficiency and sustain operational continuity.**

***Sault Tribe expresses appreciation  
to the U. S. Department of Energy  
for providing the funding,  
which makes this project possible.  
Miigwech***