

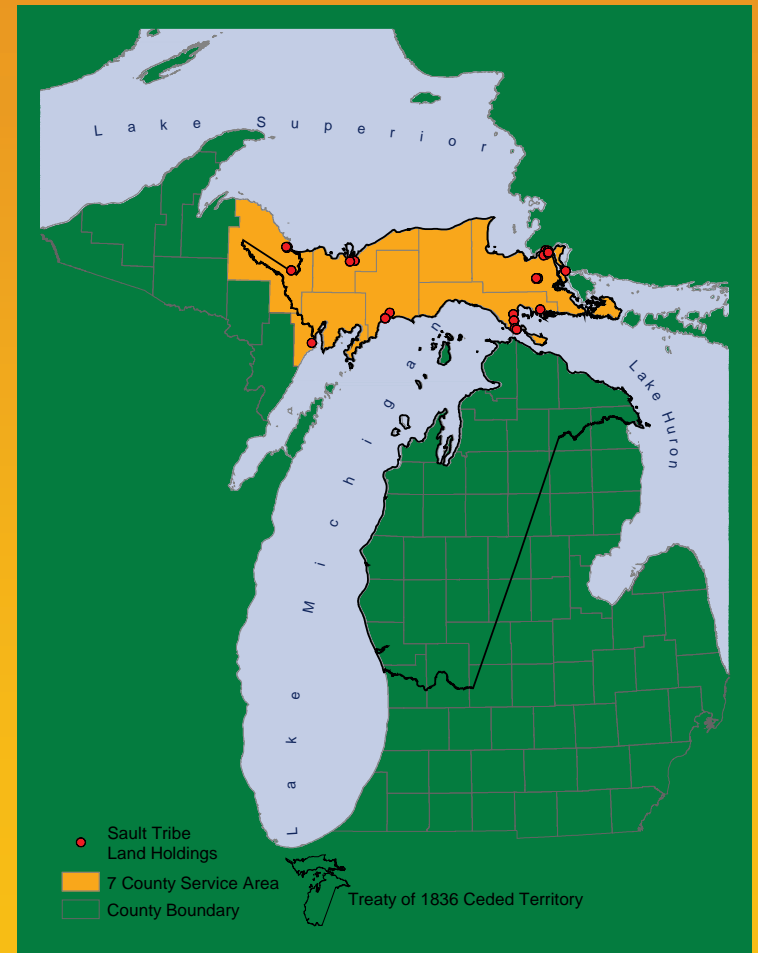
Sault Ste. Marie Tribe of Chippewa Indians

Governmental Building Energy Audits

November 19, 2009

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



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

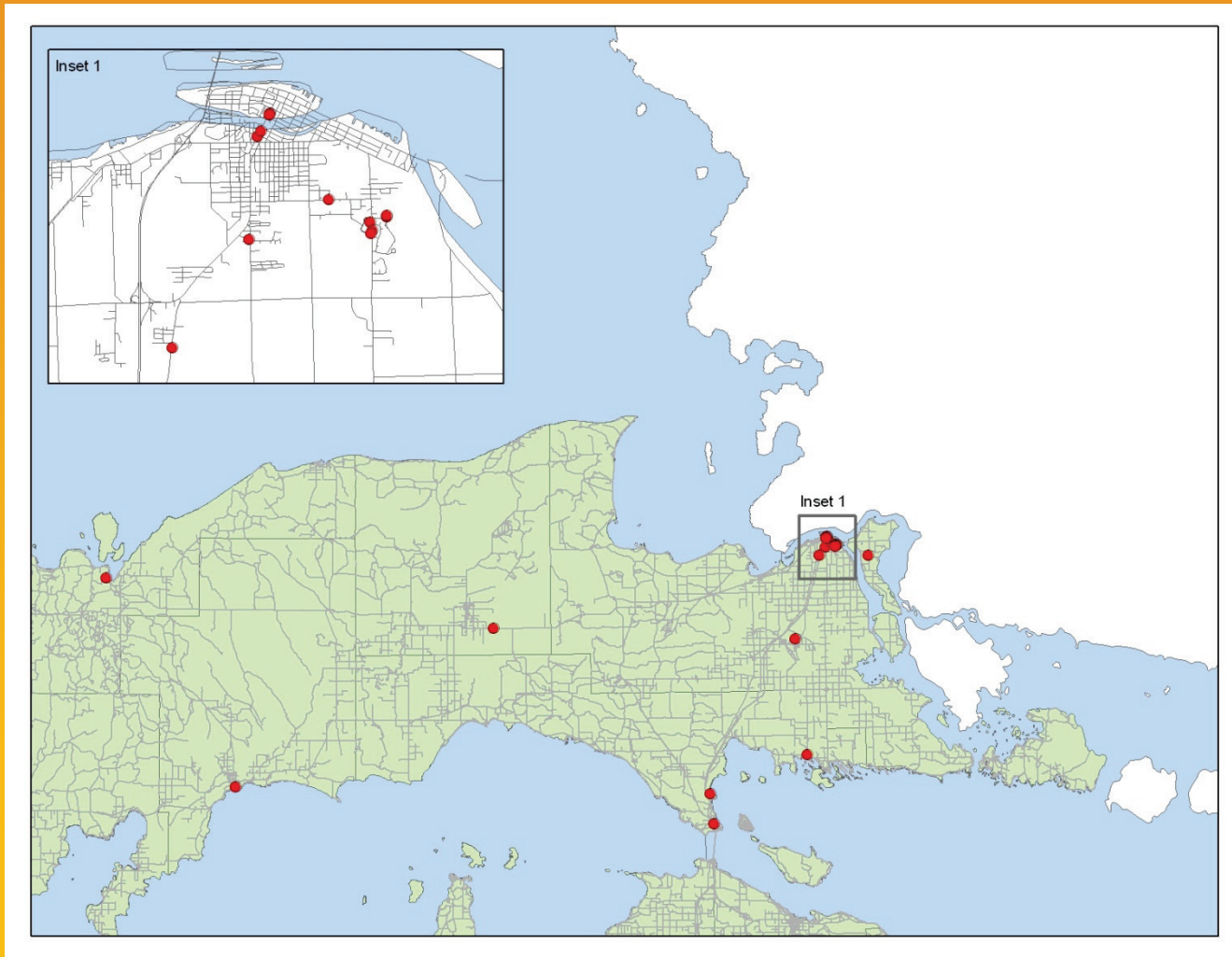
Project Locations



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 & Day 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

Project Locations (Continued)



🍁 Tribal Administration Complex (2 Buildings)

■ Sault Ste. Marie, MI

■ Office Building

■ 70,792 Square Feet

■ 2008 Energy Cost \$113,816

Project Locations (Continued)



Tribal Health Center

■ Sault Ste. Marie, MI

■ Health Clinic

■ 49,950 Square Feet

■ 2008 Energy Cost \$137,947

Project Locations (Continued)



JK Lumsden School

■ Sault Ste. Marie, MI

■ School Building

■ 44,905 Square Feet

■ 2008 Energy Cost \$95,617

Project Locations (Continued)



Tribal Health Clinic / Community Center

■ Manistique, MI

■ Health Clinic / Community Space

■ 24,822 Square Feet

■ 2008 Energy Cost \$60,675

Project Locations (Continued)



Tribal Health Clinic / Community Center

■ Munising, MI

■ Health Clinic / Community Space

■ 21,000 Square Feet

■ 2008 Energy Cost \$46,115









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**




Background Information

 2008 Electricity and Fuel Costs for the 20 Tribal Governmental Buildings Totaled \$947,135

 Significant Energy Savings Anticipated Due To:

- Heating and Cooling Systems Are Inefficient (Installed 10-15 Years Ago)
- Buildings Have Infiltration Issues
- Buildings Lack Adequate Insulation
- Buildings Have Inefficient Lighting Systems
- Other Unknown Energy Inefficiencies

Project Benefits

-  **Define Extent of Need for Energy Efficiency Improvements**
-  **Provide a Sound Basis for Long-Term Energy Priorities, Strategies and Action Plans**
-  **Establish a Benchmark for Measuring Future Energy Plan Implementation Success**

Sault Ste. Marie Tribe of Chippewa Indians

- Maximizing Energy Efficiencies
 - Implementing Renewable Energy Products & Technology
 - Developing Renewable Energy Power Plants

Sault Tribe is pursuing these energy options 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