

Sault Ste. Marie Tribe of Chippewa Indians

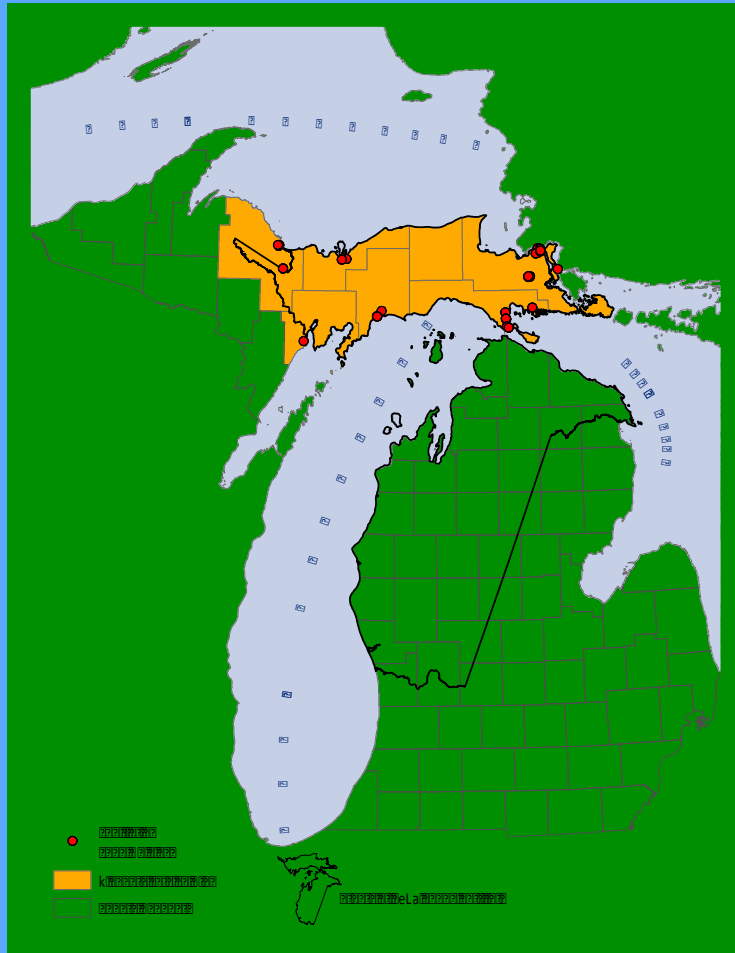
Governmental Building Energy Audits

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**Training in Building Energy Audit
Technologies**

November 13 – 16, 2012

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 Objectives



Governmental Building Energy Audits

- Procure qualified provider to conduct energy audits
- Conduct energy audits of 36 governmental buildings
- Review findings from comprehensive energy audits
- Purchase Energy Audit Testing Equipment



Training in Building Energy Audit Technologies

- Procure qualified providers to conduct training
- Conduct Blower Door Analysis and Building-As-A-System, Building Envelope, and Infrared Camera training and certification for Tribal personnel

Progress-To-Date & Activities to Come



Governmental Building Energy Audits

- Comprehensive Energy Audits in progress
- 36 Energy Audits to be completed by Spring, 2013
- Purchase in progress of two Blower Motor Systems and four Infrared Cameras



Training in Building Energy Audit Technologies

- Conducted Blower Door Analysis and Building-As-A-System Training (week of 10/08/12)
- Conducted Building Envelope Training (week of 10/22/12)
- Scheduled Infrared Camera Training in December, 2012

Lessons Learned



Governmental Building Energy Audits

- Facilities personnel have an increased awareness and value for energy audit testing equipment
- Large volume of information needed and analyzed regarding buildings and utilities



Training in Building Energy Audit Technologies

- The course material is more challenging than expected by Facilities personnel
- The courses require invested time studying outside of class time

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Photo: Infrared 2



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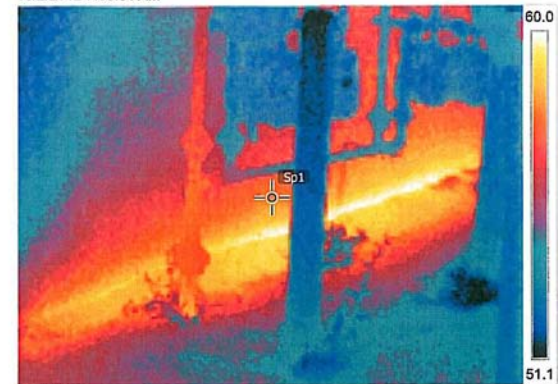
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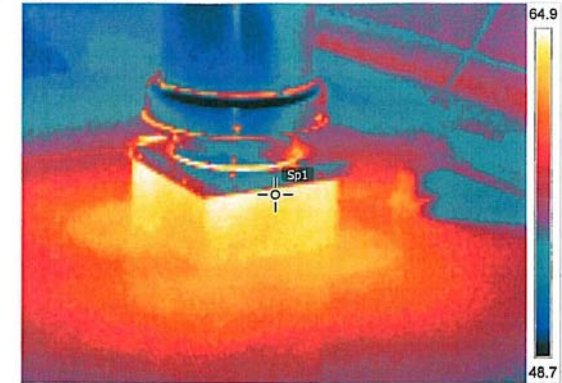
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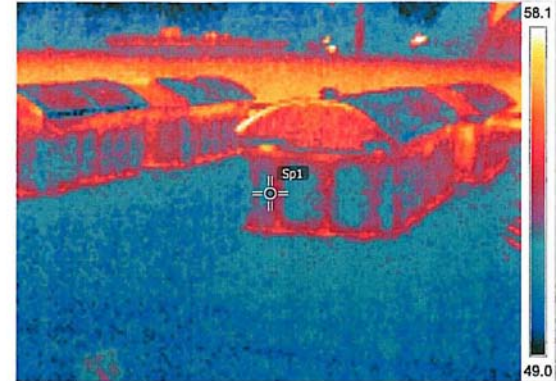
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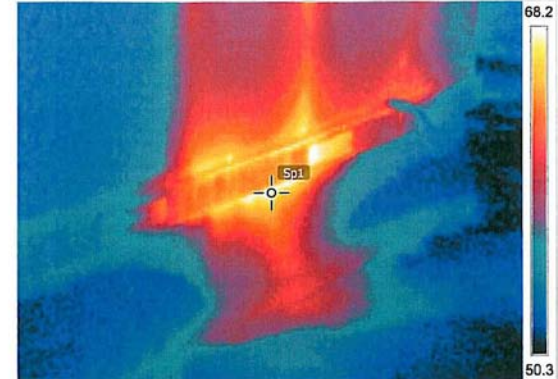
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Photo: Infrared 6



Photo: Testing Set-Up



Photo: Testing Set-Up



Photo: Training



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 retrofits of Tribal governmental buildings to maximize energy efficiency
- Monitor energy usage of Tribal governmental buildings to ensure maximum efficiency
- Perform routine energy audit testing of Tribal buildings and residential units to maintain efficient operations

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 these projects possible.*

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