Sault Ste. Marie Tribe of Chippewa Indians

Governmental Building Energy Audits &
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
Photo: Infrared 4
Photo: Infrared 6
Photo: Testing Set-Up
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
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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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