



Energy Independent Communities: 25x25 Plan Grants Pilot Presentations 3rd Quarter Report

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Osceola Village & School District
Eau Claire, WI
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Overview

- **Energy Independence Team Members**
 - Individual Members
 - Reasons for including certain members
 - Team Meetings
- **Challenges/Opportunities**
 - Obstacles to share for future Energy Independence Teams
 - Beneficial information that has been gathered
- **Potential Projects**
 - Targets for funding (i.e. EECBG & others)
- **Renewable Energy Sources & Feedstocks**
 - Wind, solar, biogas, biomass, hydro, other





Osceola Energy Independence Team

Energy Independence Team Members

Neil Soltis- Village of Osceola Administrator

Jim Schmidt- Village Grounds & Operations Manager

Roger Kumlien- School Superintendent

Bob Schmidt- School Grounds and Maintenance Supervisor

Pete Kammerud- School District Fleet Supervisor

Holly Walsh- Community representative & TNS member

Kelly Cain- UW RF SCISCD Director

Trudy Popenhagen- XCEL Energy

Nathan Deprey- Osceola Public Library

Bob Kazmierski- Polk Co. UW CNRED EX Agent

Doug Johnson- EEI Inc. St Paul, Mn.

Timm Johnson- Energy Coordinator



Team and Subcommittee Meeting Schedule

- Monthly team meetings-3rd Friday (3 hours)
- 3 subcommittees: Thermal, Electrical, and Transportation meet on a as needed basis.
- Each committee has the same format and criteria to follow and address

Framework for Sub-Committee Roles (Summer 2009):

- Define the goal/priority and basic information of energy savings action
- Feasibility- explore investment and projected payback
- Determine what resources are available to help implement project- DOE, stimulus funds, grants, etc.
- Develop Timeframe- decision making process & project management
- Political environment- measure perceived governing bodies & public reaction
- Identify community partners
- Determine 'Leader' of goal/priority-report to and utilize Project Manager resources





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Challenges

- Assemble data from various sources
- Precise measurement within a function i.e. metering electrical usage in a high school
- Designing a planning process
- Lack of a project management tool (i.e. Gantt Chart) See notes below

Opportunities

- Analysis of where energy is being used
- Trends over the past three years
- Beneficial information improves decision making



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Five Priority Projects

- External and internal insulation on all schools and municipal buildings
- Geothermal application for school buildings
- Replace all school and municipal building roofs
- Explore the feasibility of an anaerobic digester
- Explore local fuel production



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Renewable Energy Sources & Feedstocks

Maybe you should explain these in more detail? How can these energy sources be applied to Osceola?

Wind

Solar

Biogas (landfill, agriculturally-based)

Biomass (wood, prairie grasses, other)

Hydro

Other

Current Energy Savings Practices in Place

Middle school pool heated by solar panels

Thermal blanket on middle school pool

Computer programs control light usage in hallway lights in middle and high schools



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Additional Comments, Observations, Recommendations

- Joint Village and School Board meetings
- School is considering a referendum in November 2010 for significant investment in energy savings
- From this project, a number of low hanging fruit has been identified and carried out without additional planning/resources/authority:
 - Educating bus drivers on efficient driving techniques
 - Establish conservation policies for municipal computers and police radio charges

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