



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

Stephen Crane, City Administrator
On behalf of
The City of Platteville and the City of Lancaster

Eau Claire, WI
September 23, 2009



Overview

- **Energy Independence Team Members**
- **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



Platteville/Lancaster Energy Independence Team

Energy Independence Team Members:

City of Platteville

- City Manager Dave Berner
- Howard Crowfoot, DPW Director
- Joe Carroll, City Planner

UW-Platteville

- Kurt C. Rolle, Ph.D., P.E.
- Jeff Hoerning, Ph.D.
- Lynn Schlager, Ph.D., P.E.
- Justin Reeder, U.W.P. Intern

City of Lancaster

- Mayor Jerry Wehrle
- City Administrator Stephen Crane
- Jerry Carroll, DPW Director
- ICMA Fellow

- The team members were selected to bring direct knowledge about the municipal buildings as well as the most current technical information about alternative energy.
- Members of the project team have been meeting on an individual basis for several months to prepare the final report. The full project team has also met regularly.





Platteville/Lancaster Energy Independence Team

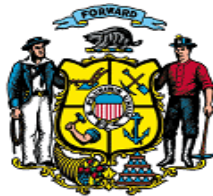
Challenges/Opportunities

Challenges:

- Data collection and formatting
- Prioritization
- Simple Payback analysis

Beneficial information that has been gathered

- Data collection process raised awareness of energy use
- Technical team identified several behavioral modifications that could reduce energy usage
- Collaboration between Lancaster and Platteville
 - Challenges and opportunities are shared





Platteville/Lancaster Energy Independence Team

Potential Projects

- Building Insulation Upgrades
- Set Temperatures and Rezoning of HVAC
- Pool Cover and hot water Solar Collectors for Public Pools
- Upgrade to High Efficiency Electronic Ballast Florescent Lighting
- Motion Sensors for Lights
- Photovoltaic Solar Panels
- Commissioning of building Environmental Control Systems

Energy reduction to achieve 25X25:

Platteville: 5,397 BTUs

Lancaster: 3,811 BTUs

Targets for Funding

- OEI/EECBG grants for priority improvements
- Capital project budgets
- Focus on Energy for planning and implementation

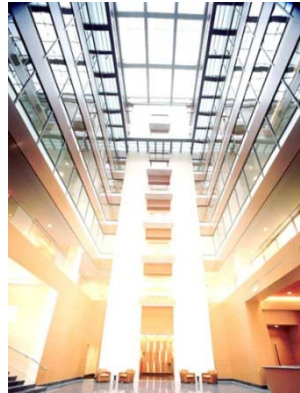


Platteville/Lancaster Energy Independence Team

Renewable Energy Sources & Feedstocks



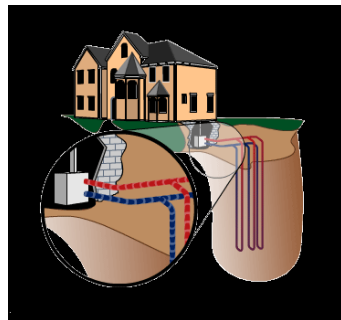
PV & Solar Hot
Water Panels



Daylighting



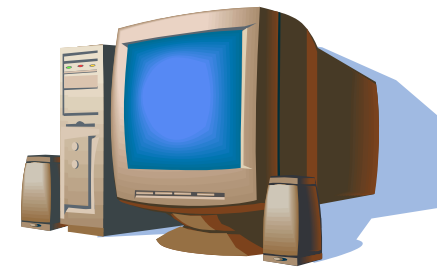
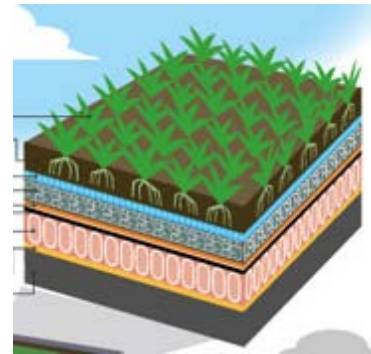
High Efficiency Fluorescent
Lights and Motion Sensors



Geothermal Heating/Cooling



Cool Roofs and Green Roofs



Building Automation
Systems

Platteville/Lancaster Energy Independence Team

Additional Comments, Observations, Recommendations

The Cities of Lancaster and Platteville would like to thank the Office of Energy Independence, as well as the Local Government Institute, for their support of this project. The grant has been very beneficial for both cities as it has helped identify a path toward reaching the 25X25 goal.

For more information contact:

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