



Illinois Sustainable Technology Center

GLRPPR Webinar

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Presented by:

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**University of Illinois
Institute of Natural Resource
Sustainability
IL Sustainable Technology Center
(ISTC)**

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ISTC's Mission & Objective

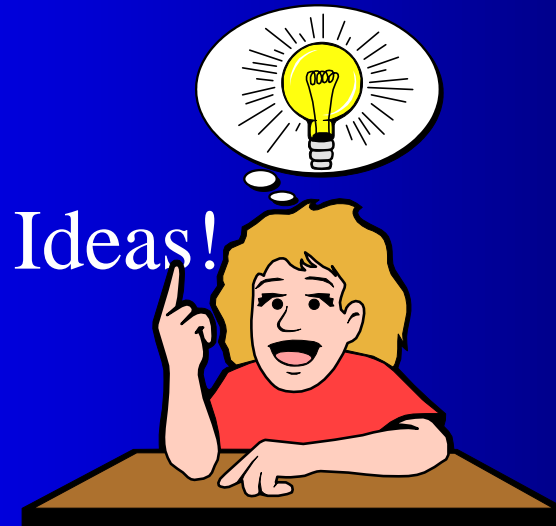
- ISTC is a change agency that performs research, spreads awareness, and facilitates implementation regarding practices, technology and systems that improve sustainability.

ISTC Mission Implementation

ISTC helps businesses and citizens:

- Reduce solid and hazardous wastes before they are released to the air, water and land
- Works with companies to identify and implement change to reduce the cost of production (Energy & Natural Resources)

What Do We Sell?



Illinois Conservation of Resources and Energy (ICORE)

October 1, 2009 to September 30, 2010

ICORE Objectives

- Reduce energy use, water use and wastewater generation.
- Promote water conservation, energy efficiency (E2) and pollution prevention (P2).
- Relieve demand on local resources and strain upon local system capacities.
- Allow communities to thrive without tapping into additional resources or expanding infrastructures and capital investment.

Methodology

- Identify and recruit partners, stakeholders, and participants (municipalities, businesses, associations).
- Perform on-site assessments.
- Non-threatening, non-regulatory assistance.
- Multi-media focus: source reduction, reuse, conservation, green chemistry, chemical management, substitution, process efficiency, in-line recycling, and Best Management Practices.
- Evaluate and prioritize opportunities.
- Conduct and evaluate pilots.
- Develop case studies.

ICORE Participants

- 4 Municipalities
- 19 Facilities

Recommendations

- 225 Recommendations Identified
- 83 Recommendations Implemented
- 37 % Implemented

Implemented Annual Savings

- 8 Million Gallons of Water (95%)
- 280,000 Pounds of Solid Waste (34%)
- 4,306,339 kW Electricity (46%)
- 46,165 Therms Natural Gas (47%)
- \$562,239 (55%)
- 3400 MTCO₂e (47%)

The End

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