

EECBG & SEP Midwest Regional Peer Exchange Meeting



Presented by: Larry Studesville

City of Madison, WI

Community Development Energy Grants Division

February 8, 2011

Formula Grant Project Allocations

EECBG

Project/Allocations

1. LED Street Lights	\$100,000.00
2. Anaerobic Food Waste Digester – Pilot Study	\$ 55,000.00
3. Business Energy Efficiency Incentive Program	\$664,145.00
4. Residential Energy Efficiency Incentive Program	\$249,855.00
5. Weatherization Employment and Training Program	\$470,600.00
6. Interior Energy Efficiency Lighting Retrofits	\$845,000.00
Total	\$2,384,600.00



Lessons Learned

Program Development Hurdles

- Policy Requirements
 - Federal Davis Bacon
 - City's Prevailing Wage
 - DOE's Buy American
 - City's Affirmative Action
 - Environmental Review (Commercial)
 - Historic Preservation Agreement – 30 day review
 - Waste Stream Plan
 - PACE Financing



Lessons Learned

Process Hurdles

- Complexity of internal process
- Amount of time to move through process
 - 4 - 6 weeks vs. 1 – 2 week expedited
- Educating city departments to improve collaboration
- Adaptability – program design
- Participants level of understanding
- Economic Conditions (banks and participants)



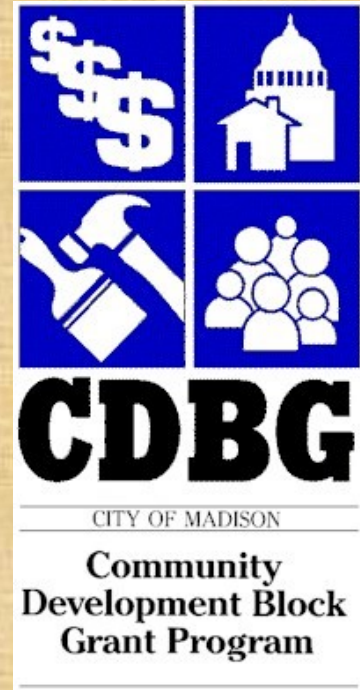
Residential Program Formula Grant Transition Issues

- Conflicting Program Design

– Interest rates	Pilot	→	Better Building
– Offer	Grant	→	Loans
– Administrator	City	→	WECC
– Underwriting	City	→	FI
– Partnerships	Optional	→	Required
– Risk Assessment	Low	→	High
– Contracting	No RFP	→	RFP

Leveraging Policy Makers Understanding

- Approval Process
 - CDBG Committee
 - BOE Committee
 - Common Council members
 - Mayor's Office & Staff
 - Other departments
 - Mayor Directive-No (0\$)budget impact



Lessons Learned

Outreach

- Significant increase in outreach planning required
- Clear & concise strategies for outreach
- Collaboration with outreach partners
 - Local utilities
 - Financial institutions
 - Affinity groups
 - Neighborhood association
 - Contractors



Job Creation

- Green jobs skills training
 - Partnership with Madison Urban League
 - Madison Area Technical College
 - START
 - Project Home
 - Contractors
 - Unions



- 6 months – education, job skills, OJT

Measurement and Verification

Developing Baselines

- REEIP (Residential Energy Efficiency Program)
 - Standardized inspection tool/report
 - Savings to investment ratios
 - FICO vs. Income
 - Participants understanding what energy saving are measurable
 - Broad application for greenhouse gases
 - Hard to find one all encompassing measurement tools
 - Combine: ICLEI, HARA, ENERGY STAR®
 - Measuring primary and secondary job creation
 - Verify DOE's formula for job creation?

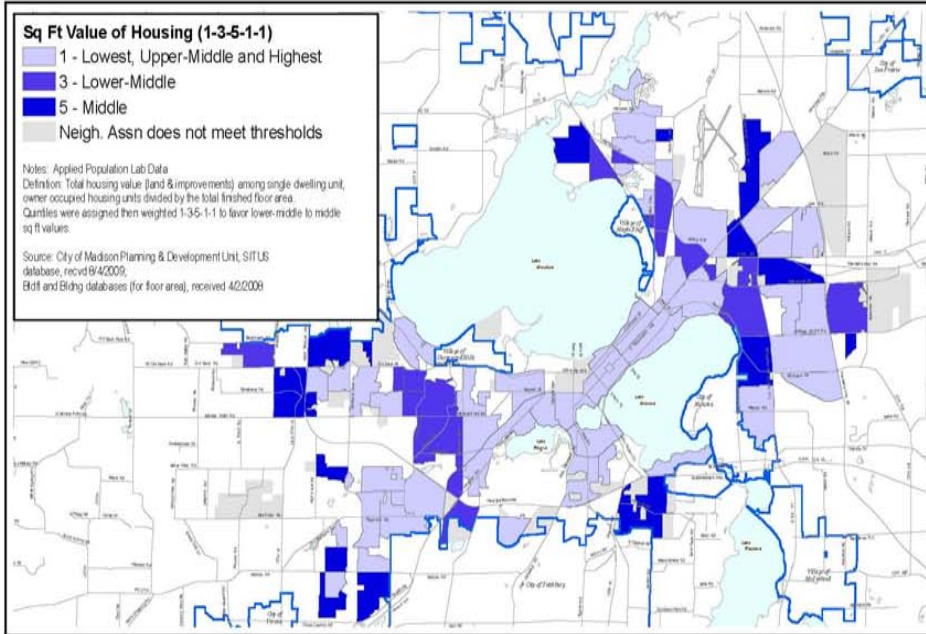
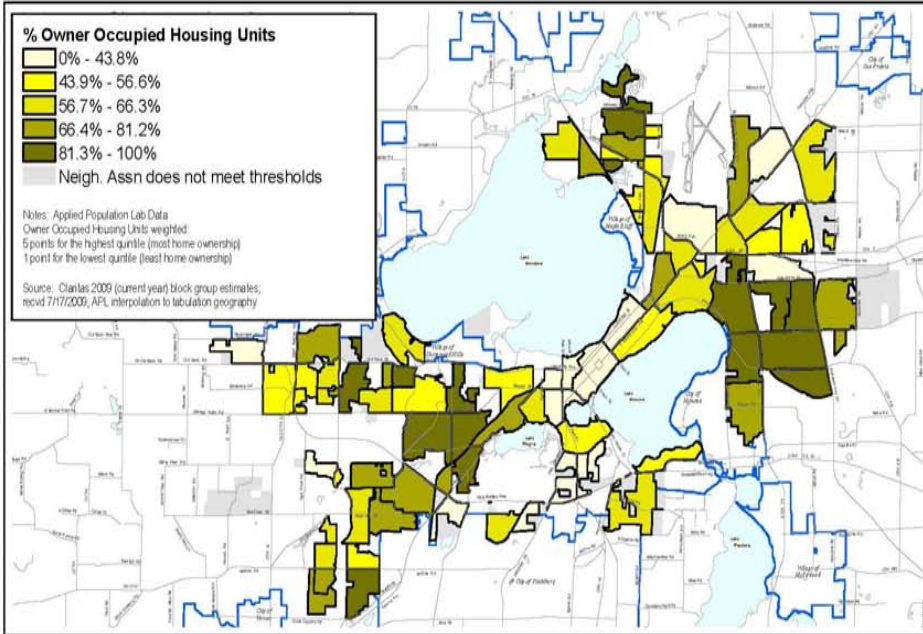
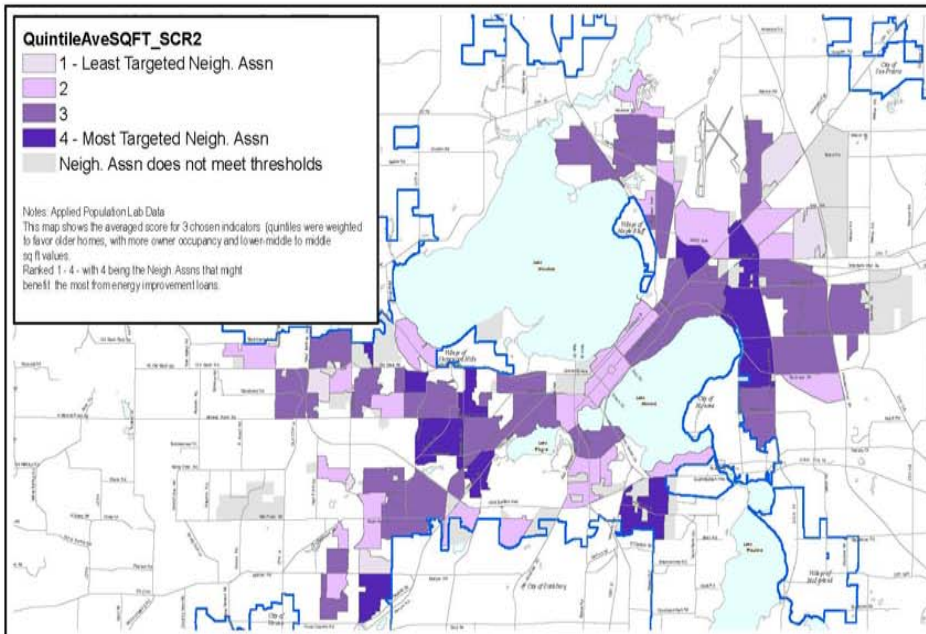
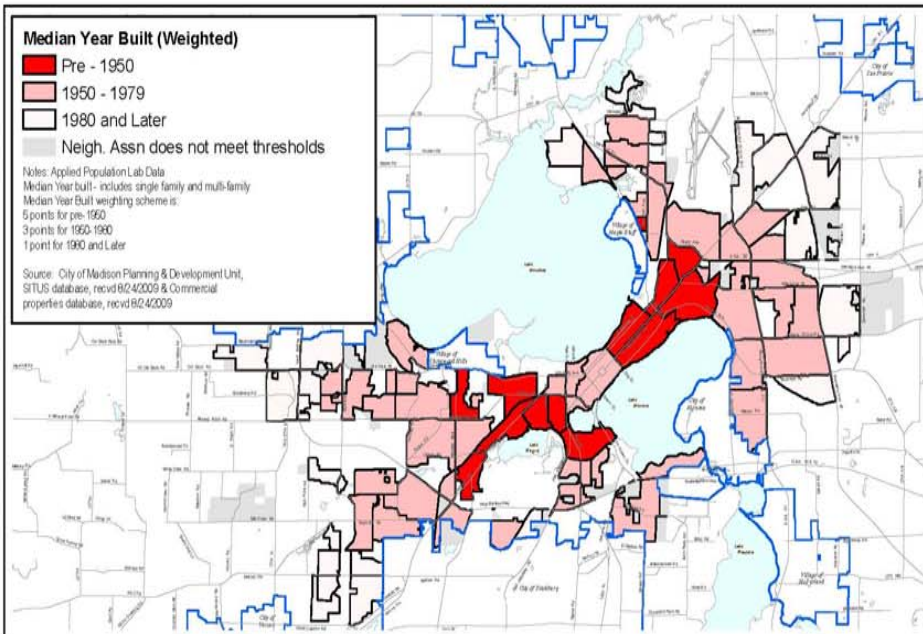


Measurement and Verification

Developing Baselines

- BEEP (Business Energy Efficiency Program)
 - Explain measurement expectations upfront
 - Drop out rates and reasons
 - Understanding Prevailing Wage
 - Impact to job wage rates
 - Requirements too intensive or intrusive
 - Awardees Board approval
 - Non-profit vs. For-profit organizations
 - Measuring primary and secondary job creation





Targeted Outreach for Energy Improvement Loans

Map 2

Notes - Applied Population Lab Data
 Data given only for the City of Madison portion of the Neighborhood Associations.
 Grayed Associations indicate missing data.

Assigned quintile numbers were averaged to arrive at a composite indicator for possible allocation of energy improvement loans.



Follow up

Quality Assurance

- Verify energy savings
- Verify carbon reduction
- Job creation (primary and secondary)
- Market transformation
- Quality of the program
- Community Partnership Assessment



Questions



EECBG & SEP Midwest Regional Peer Exchange Meeting

Budget Benefits From Being Green

**Art Holdsworth, Director – Facilities
Management, Oakland County, MI**

Facilities Management

Budget Benefits From Being Green

- ✓ **Being Green** means:
 - ✓ Reducing all types of energy consumption in a manner that is environmentally and economically sustainable
 - ✓ Being a leader in Energy Management Procedures, energy efficiency projects, and the Green Economy
 - ✓ Reducing dependency on, and use of, fossil fuels
 - ✓ *Saving green!*

Oakland County Overview

- ✓ The County's Facilities Management Department oversees the energy management, engineering, maintenance, alterations, security, utilities, custodial services, and grounds maintenance for 46, County facilities (1.9 million sq. ft.), 600 acres of grounds, 60 acres of parking lots, and 30 miles of utility lines and heating service tunnels
- ✓ The County has just under 4000 employees and a population of 1.2 million

Facilities Management

Green Team

- ✓ Facilities Management formed a Green Team in late 2008, though energy conservation had been practiced for years
- ✓ Any member can bring a green product / service to the table for consideration
- ✓ At least one green vendor presents to the Team at each meeting
- ✓ The ten member Team meets monthly to evaluate methods and technologies that can reduce energy consumption across the County's departments – see energy savings since 2005 in chart attached

\$4 Million Saved or Avoided

Energy Saving / Avoidance Step	Amount Saved / Avoided:
Locking in lower electricity rates between 2005 and 2010 via Alternative Energy Supplier (AES) contracts	\$1 million
Locking in lower LT1 Natural Gas rates between 2005 and 2010	\$1.4 million
Green Team Projects through 2011	\$100,000
Extension of AES contracting through 2011	\$500,000
Extension of lower LT1 Natural Gas rates through 2011	\$900,000
Cumulative Total by 2011:	\$3.9 million
Implementation of EECSBG projects by 2013 and working towards the 2015 goal of 15% overall energy reduction per the County's Energy Management Procedures	\$500,000 - \$900,000 per year
Cumulative Total by 2015:	\$ 5.9–7.5 million

Green Team Projects

- ✓ Created Energy Management Procedures to educate employees; establish guidelines for the use, maintenance, renovation and construction of facilities; and expand the use of energy management systems

http://www.oakgov.com/fm/policies_procedures/index.html

- ✓ Goal: To reduce energy use 15% by 2015
- ✓ The Procedures were 11 pages long, so a two-page summary for employees (see Appendix) was prepared
- ✓ Contracting with alternative electric suppliers (AES) and locking in natural gas rates with alternative suppliers

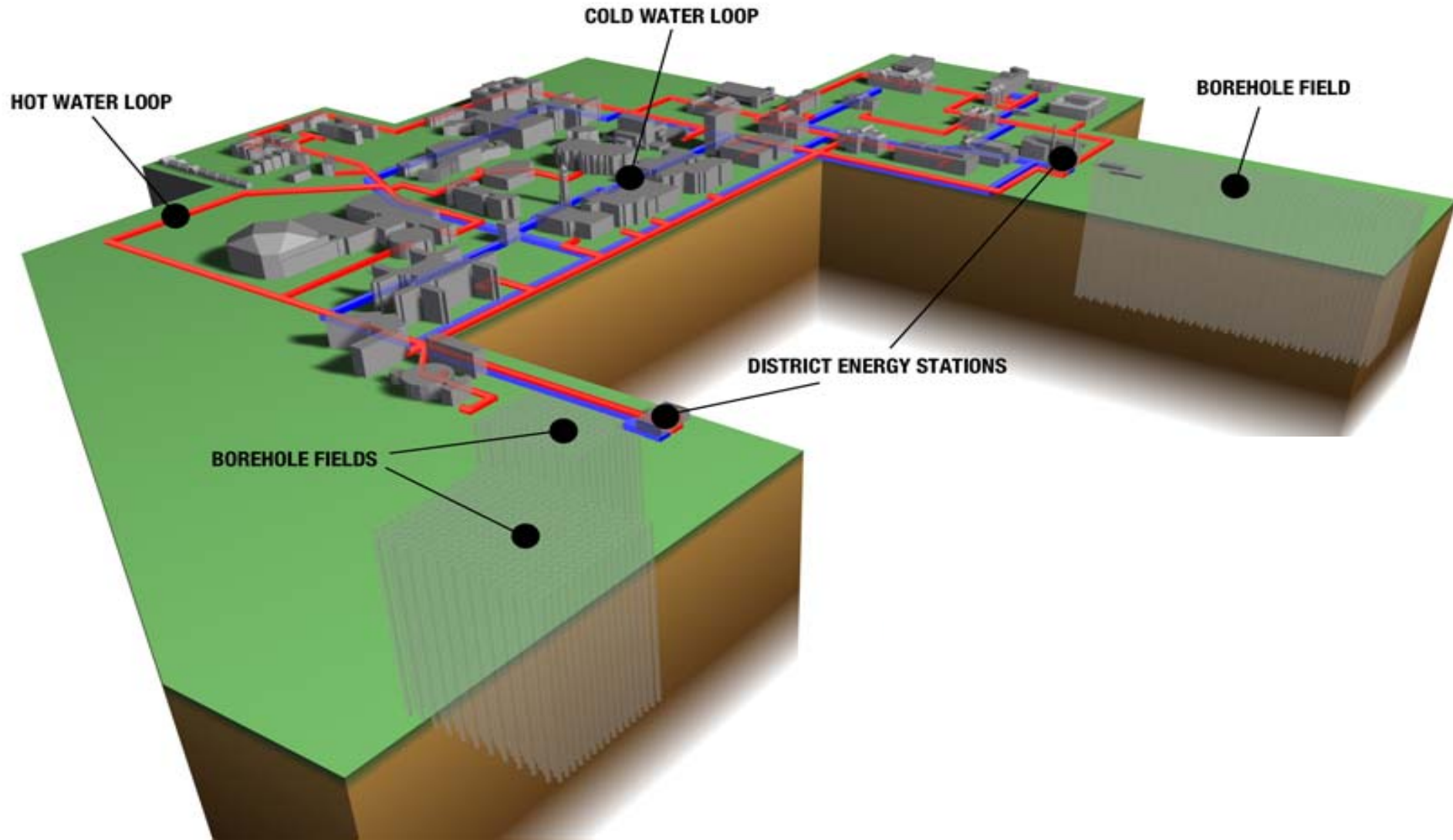
Green Team Projects

- ✓ Expanded use of energy management systems
- ✓ Tracking load and peak demand
- ✓ Parking lot lighting conservation
- ✓ Established new second shift custodial lighting procedures
- ✓ Installation of water sensors for sprinkler system
- ✓ Separated the metering of water for irrigation from building use to reduce sewer charges
- ✓ Pursuing Energy Star Ratings for campus buildings
 - Executive Office Building received rating in late 2010

Green Team Projects

- ✓ Implemented OakGreen: a program and website to share energy conservation information, educate visitors, provide encouragement and assistance – See Appendix
- ✓ Established the OakGreen Challenge: encouraging homeowners, business owners, and local governments across the County to reduce their energy consumption 10% by the end of 2012.
- ✓ Studying a “GeoUtility” for the west campus:
 - Business Case Study to be conducted by a local university this Winter
 - \$100,000 annual energy cost savings predicted

Campus GeoUtility



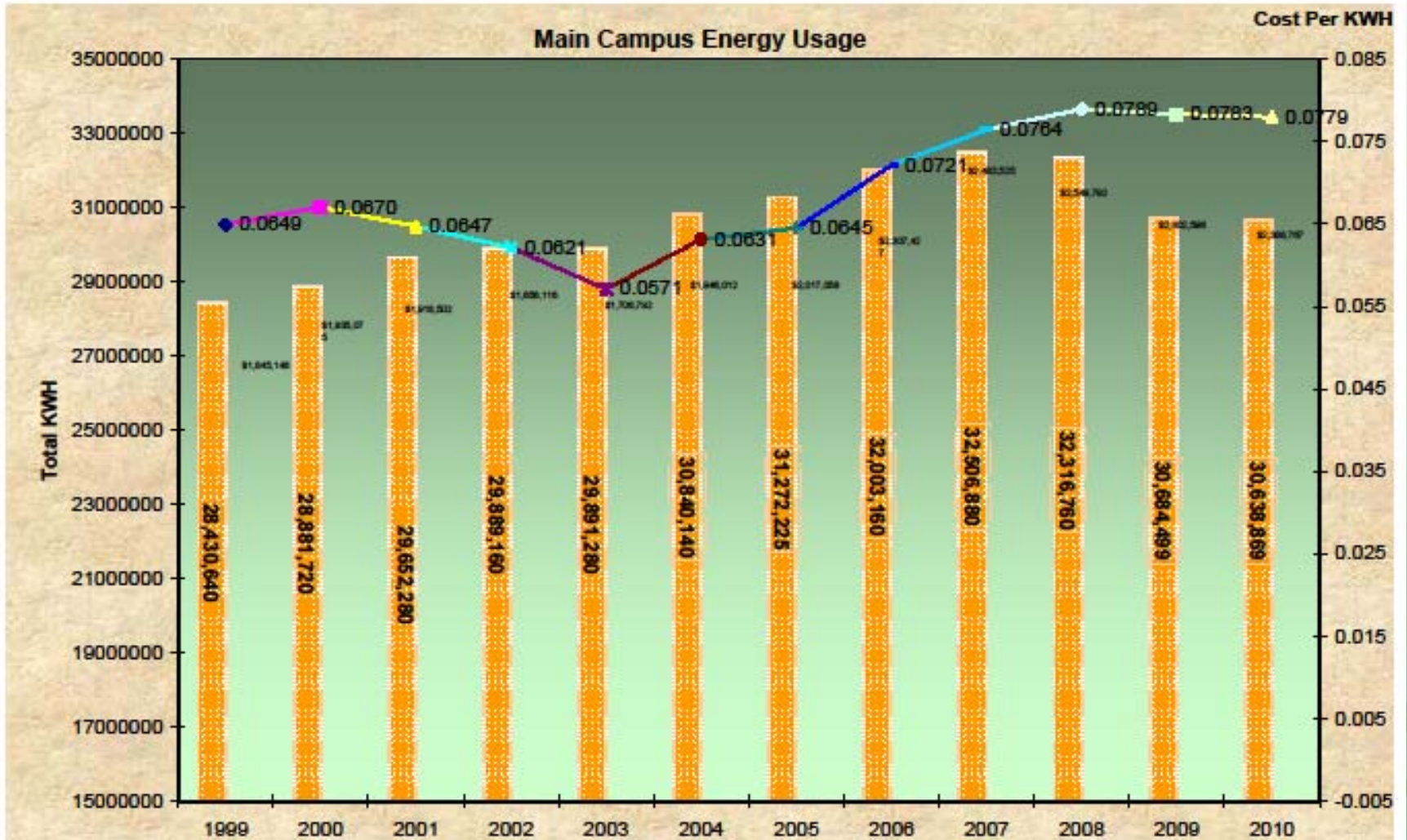
Green Team Projects

- ✓ Project Selection Process:
 - ✓ Proposal from staff / Green Team
 - ✓ ROI – third-party consultants are asked to prepare cost projections and payback estimates for us. The EECBG projects were identified by an Energy Auditor, who calculated the ROIs for each one.
 - ✓ Approval sought from Budget Task Force – see example of a BTF Request in Appendix
 - ✓ Competitively bid out for products and services >\$1500
 - ✓ Selection of highest scoring vendor, not necessarily the lowest priced vendor

Green Team Projects

- ✓ Project Selection Process (cont.):
 - ✓ Contract negotiations
 - ✓ Board of Commissioner adoption of contract
- ✓ Project Management:
 - ✓ Each project is assigned to an in-house Planning & Engineering Division staff member to manage implementers (staff and vendors)
 - ✓ A dedicated staff member measures and reports on energy consumption campus-wide (see bar graph) and by building (see interactive public web page), so the results of energy retrofits can be measured over time

Campus Consumption Trend



Interactive Energy Use Web Site



EECBG Projects

- Of the \$4.8 Million grant received from the DOE...
 - We are in the midst of several green projects at the new Airport terminal
 - We completed our energy audit last Fall. More than \$3.5 million of energy retrofit projects were identified.
 - The retrofits will yield annual energy savings of \$400,000 to \$500,000
- The RFPs for the retrofits are being issued now
- Benefits: Create jobs / Energy conservation and expenditure reduction / Synergy with DTE's Energy Optimization program

**A copy of this PowerPoint can be
requested at:**

Holdswortha@oakgov.com

Facilities Management

Appendix

Facilities Management

- What *is* OakGreen?
 - A forum for providing local governments, homeowners, and businesses with the knowledge and tools to be more green while reducing their energy expenses
 - A web presence: www.oakgov.com/oakgreen/
- Why?
 - Because it's the right thing to do *and* it will directly benefit the local economy:
 - **Reducing energy costs for residents and businesses = more disposable income = more discretionary spending = an expanding local economy!**



OakGreen™

An Oakland County, Michigan Green Initiative

Home

OakGreen Challenge

Residents

Businesses

Schools

Local Governments

Workshops, Trainings & Seminars

Connect to OakGreen

Product & Service Directory

Other Energy Savings Resources

Contact

What is OakGreen?

OakGreen is an initiative to share information, encourage collaboration and connect Oakland County residents, businesses and communities to resources that can advance **environmental stewardship, economic growth and strong communities**.

The mission of OakGreen is to provide businesses, communities and residents the knowledge and tools to be more sustainable, reduce expenses, and embrace the "Triple Bottom Line".



The OakGreen Challenge

Oakland County Executive L. Brooks Patterson issued an "OakGreen Challenge" at the May 13, 2010 Green Summit Event.

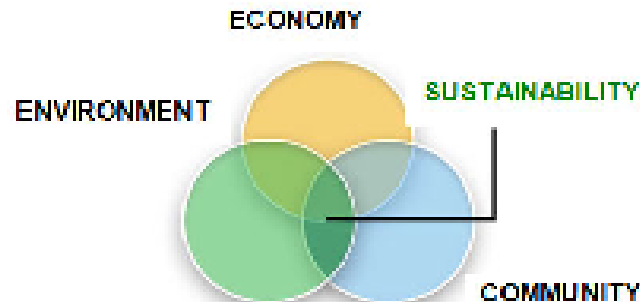
The OakGreen Challenge encourages home, business and government facilities to decrease energy consumption by 10% within the next two years.

Win the OakGreen Challenge and have your utility bills paid for one year.

Sustainability and the Triple Bottom Line

Sustainability means meeting our present needs without compromising the needs of future generations.

The Triple Bottom Line includes economic, environmental, and community factors as part of success:



Reduced energy consumption means

- Money saved - *Economic bottom line*
- Cleaner Air - *Environmental bottom line*
- Stronger Economy - *Community bottom line*



Sign up to receive
[OakGreen E-Mail News & Updates](#)



"Oakland County is leading by example. We have been working to reduce our energy consumption in county buildings. Our efforts have translated to a savings or cost avoidance of \$4 million in our utility bills since 2005."

L. Brooks Patterson, County Executive

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OakGreen Challenge: What Is It?

The OakGreen Challenge is a commitment to reducing the energy consumption in your home, business, municipal facility or school facility by 10% by the end of 2012. Your efforts benefit the environment, your community, and your financial bottom line.

Getting Started

Residents will complete a free [EPA ENERGY STAR](#) energy assessment and will receive [information on options and incentives](#) for increasing their energy efficiency and saving money.

Local governments, school districts, and businesses will be asked to track their energy use in EPA's Energy Star Portfolio Manager and will receive technical support and information on energy saving options.

Your participation will be recognized and [awards](#) will be given. Interested? Take the OakGreen Challenge below.

[Businesses](#)



Resources

[Link to ENERGY STAR Portfolio Manager](#)

[ENERGY STAR Portfolio manager Quick Reference Guide](#)

[ENERGY STAR Portfolio Manager Data Collection Sheet](#)

[ENERGY STAR Benchmarking Starter Kit](#)

[FREE Online training in Portfolio Manager](#)

[Residents](#)



Resources

[Link to ENERGY STAR Home Energy Yardstick](#)

[Guidance for obtaining your utility data online from DTE Energy and Consumers Energy](#)

[MyOakGreen Energy Tracking Tool](#) - This Excel spreadsheet will help you to organize your energy data and view your progress over the next two years.

[Schools & Local Governments](#)



Resources

[Link to ENERGY STAR Portfolio Manager](#)

[ENERGY STAR Portfolio manager Quick Reference Guide](#)

[ENERGY STAR Portfolio Manager Data Collection Sheet](#)

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Residents

Take the OakGreen Challenge



Two Easy Steps to Register:

1. Go to [EPA Home ENERGY Yardstick](#) and complete your FREE home assessment.

You will need your utility bills for the period between January 1, 2010 and December 31st, 2011 to obtain a Home yardstick Score from the EPA Home Energy Yardstick website

If you can't find your utility bills, you can access the data from your utility provider's website using [these instructions](#) (3.2 Mb) (DTE Energy and Consumers Power customers only.)

You will be asked to enter the amount and cost of your energy use into the Home Energy Yardstick Tool.

Enter in the total cost (including all fees and taxes). You will also need to know the square footage of your home (including basement), your zip code, and the number of people living in your home.

Once you have calculated your Yardstick Score, click *Print These Results* to maintain a copy of your record and to reference in the next step.

2. Sign Up for the OakGreen Challenge

Sign up for the OakGreen Challenge by filling out and [submitting this short form](#).

You can use the [MyOakGreen Energy Tracker](#) to help you organize you energy data and view your progress.

You will receive monthly emails with tips and tricks on saving energy.

Click on the image below



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The OakGreen Challenge: What Do I Get?

Residents:

- Tips on ways to save money on your energy consumption and costs
- Lowering of your monthly utility bill
- Access to educational workshops and information presented by experts in reducing resource consumption
- Access to energy tracking and benchmarking tools
- Ranking of your home's energy efficiency over time
- Eligibility to win an OakGreen Award, which will cover the cost of your home's energy utilities for one year

Businesses, Local Governments and Schools:

- Educational workshops and information presented by experts in reducing energy consumption
- Permission to place the "OakGreen Energy Challenge" logo on your website



[download this image in .jpg format](#)

- Public recognition including listing of all participants in the OakGreen website (optional) and additional media exposure opportunities
- Energy benchmarking tools and technical support
- Evidence of your commitment to environmental responsibility
- Participation in growing building ownership and accountability
- Eligibility to win an OakGreen Award, and public recognition by L. Brooks Patterson, Oakland County Executive



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Other Energy Savings Resources

A variety of other resources are available for homeowners, businesses and communities to avail themselves of to reduce their energy costs. See which of the links below will be most useful for you.

State & Local Organizations

- [State of Michigan Department of Energy, Labor & Economic Growth](#)
- [Southeast Michigan Regional Energy Office](#)
- [WARM Training Center](#)
- [Greening Detroit](#)

Education & Information

- [Facilitiesnet Energy Efficiency Information](#)
- [Greening Detroit](#)
- [Michigan Department of Energy, Labor and Economic Growth Publications & Energy Tips](#)
- [Building Energy Codes](#)
- [Clean Energy Coalition](#)
- [HighEEN: The Michigan Energy Efficiency Network](#)
- [RESNET](#)

Programs

Michigan Saves is a nonprofit organization with a Home Energy Loan Program to help finance the cost of energy efficiency improvements. Additional financing programs commercial, institutional, and renewable energy projects are in development. A Michigan Saves authorized contractor will help you choose the right projects to make your home more comfortable and more energy efficient, and will walk you through the financing process.

- [Michigan Saves](#)

See what Energy Star and DTE have to offer!

- [EnergyStar](#)
- DTE Energy [GreenCurrents](#) & [SolarCurrents](#) Program
- DTE Energy [SmartCurrents](#) Program

Renewables

Renewable energy sources are those that are self-sustaining and come from nature. They not only provide energy for your home or business, but when energy use is low they can feed energy into the larger power grid, allowing others to benefit from inexpensive electricity as well. Solar, wind, and geothermal energies are the types of renewables anyone in Oakland County can take advantage



- Registering for the Challenge: Businesses, Cities
 - Portfolio Manager
- Registering for the Challenge: Homeowners
 - EPA Yard Stick, then Survey Monkey to gather registrant information
- “Most Improved” and “Highest Scoring” homeowner will have **one year’s worth of their utility bills paid** for by the OakGreen Program!
- Accepting donations from green vendors to cover the costs
- Contracting with a third-party to verify energy savings claimed by participants and to handle the utility bill payments

Facilities Management

Other County Projects

- Local Government Collaboration on EECBG retrofit and QECB bond projects across the county
- County-wide Green Team
- Leverage green purchasing volume among local governments
- Establish extended contracts that all local governments across the County can take advantage of
- Adopt common Energy Management Procedures across the County

Employee Summary of Energy Management Procedures

- Energy conservation is the responsibility of every County employee. Small steps on the part of each employee add up to significant energy savings which can have an important impact on the County's budget. This summary of the Energy Management Procedures details what is expected of individual employees to assist the County in meeting the goals of the procedures.
- Employees are asked to become knowledgeable about the procedures and to comply with them.
- During occupied building hours the temperature inside buildings will be set to levels recommended by the United States Department of Energy. As these levels are a departure from those currently deployed throughout Oakland County, a period of incremental adjustment will be undertaken to make gradual changes from current settings to the recommended settings.

Employee Summary of Energy Management Procedures

- Employees are asked to dress appropriately to compensate for the set point changes noted above. Consult your department for guidelines as to what is considered appropriate dress for your work area.
- Evening meetings will be limited to buildings with the ability to isolate energy use to the greatest extent possible. These buildings are the Courthouse Auditorium and the Executive Office Building Conference Center.
- All windows and doors in buildings that are air conditioned are to be kept closed to prevent loss of conditioned air.
- During times of high energy demand, Facilities Management may send out an energy broadcast message through the County's email system asking all departments to voluntarily eliminate unnecessary electrical loads by shutting down any lighting, printers, copier, and other devices as appropriate.

Employee Summary of Energy Management Procedures

- HVAC (air-conditioning and building heating) systems will be placed on minimal operation during non-operational hours.
- Restricted electrical appliances are not permitted within individual offices or workstations unless specifically required by occupants because of medical conditions, failure of the building heating, ventilating or air conditioning systems. These appliances include, but are not limited to the following:
 - Personal space heaters
 - Personal fans
 - Personal coffee pots
 - Personal refrigerators
 - Personal microwaves
 - Other personal electric appliance such as toasters, etc.

Employee Summary of Energy Management Procedures

- Facilities Management may grant exemptions on a case-by-case basis. When allowed by exception, appliances must be provided by the user, be Energy Star rated, be U.L. Certified, and be inspected by Facilities Management prior to use. Each work area may share one Energy Star rated refrigerator, microwave, or similar appliances for every 20 to 25 employees. These appliances must be certified by Facilities Management before they are used.
- Employees are requested to turn off lights in offices, conference rooms, and other interior spaces when unoccupied.
- Employees are requested to turn off lights, computers, monitors, printers, copiers, fax machines and other office electronic devices at the end of the work day.
- Incandescent desk top task lighting will be changed out to fluorescent bulbs.

Employee Summary of Energy Management Procedures

- Decorative lighting on or in County buildings will be minimized.
- The County encourages employees to consider ways and means of reducing energy consumption and Facilities Management will refer all ideas for improved energy management through the Employee Suggestion Program.
- Employees are asked to advise their supervisor of any circumstances that prevents adherence to the County's Energy Management Procedures.

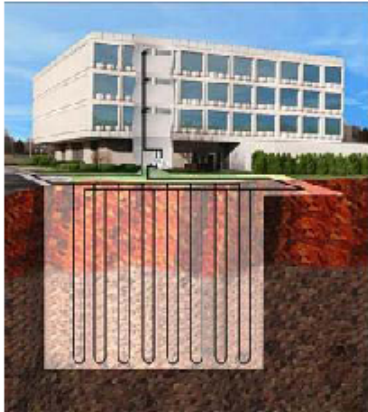
Budget Task Force Approval Form

Request for Review by Budget Task Force

January 14, 2011

Project: Conduct a Feasibility Study of Implementing a Large-Scale Geothermal (GeoUtility) Installation on the West Campus

Purpose: Reduce energy costs for the affected buildings by 50 to 60%.



“Geoexchange systems are the most energy-efficient, environmentally clean and cost-effective option available for heating and cooling.”

- U.S. Department of Energy & the U.S. Environmental Protection Agency

Request: The earth is a sustainable energy resource. Solar Energy is stored in the earth's mantle at a near constant 51°F. Using a closed loop system, heat exchangers (piping) can bring up 51°F water from the earth to heat or cool buildings more efficiently (500-600% more efficiently, according to the EPA) than traditional HVAC systems can. Such systems are called geothermal systems (see picture above) and have the following additional advantages:

- Takes advantage of distributed loads across the buildings involved
- Natural gas use can be significantly reduced
- Electric power consumption is reduced (especially in the summer)
- The energy is clean and perpetually renewable
- Geothermal can be teamed with PV solar or wind renewable energy products to further increase cost savings
- Such retrofits can be applied to any building, regardless of age

A joint proposal to conduct a feasibility study for a large-scale geothermal (GeoUtility) installation on the West Campus has been solicited from FTC&H (our energy auditor for the EECBG project) and Lawrence Technological University (LTU). The West Campus

facilities to be included in the study are located on a contiguous site (CV, PWB, P&R Admin) with one additional facility located on East Campus (Sheriff's Administration Building – a \$1.7 million CIP project to repair the steam tunnel servicing this building could be avoided with a GeoUtility). Then, that CIP money could be redirected towards implementing the GeoUtility). If additional funding is necessary, then issuing QECB bonds may be a possibility. Energy dollars currently being paid to DTE and Consumers Power (or our alternative energy suppliers) would be reduced by 50-60% and those funds would then be redirected towards paying off the bonds, other green projects to reduce energy costs still further, and possibly to replenish the CIP fund. Note that any contract to implement a GeoUtility will be structured in a series of small phases such that we can evaluate our success and halt the project if necessary at any time.

Estimated Costs: \$33,000

Funding Source(s): EECBG grant

Attachments: N/A

Next Steps: BTF approval

Approval From:	Approval Thresholds	Signature(s)
BTF Approval	\$5,000+	Yes No
FM Manager	\$5,000 - \$20,000	
FM Director	\$20,001 - \$40,000	
Purchasing	\$40,001+	

Michigan's Energy Efficiency Network

Using Social Media to
Pursue Energy Efficiency and
Reinvent Government



The Tipping Point: For Energy Efficiency

"The best way to understand the dramatic transformation of unknown books into bestsellers, or the rise of teenage smoking, or the phenomena of word of mouth or any number of the other mysterious changes that mark everyday life," writes Malcolm Gladwell, "is to think of them as epidemics. Ideas and products and messages and behaviors spread just like viruses do."

Michigan's Energy Efficiency Opportunity

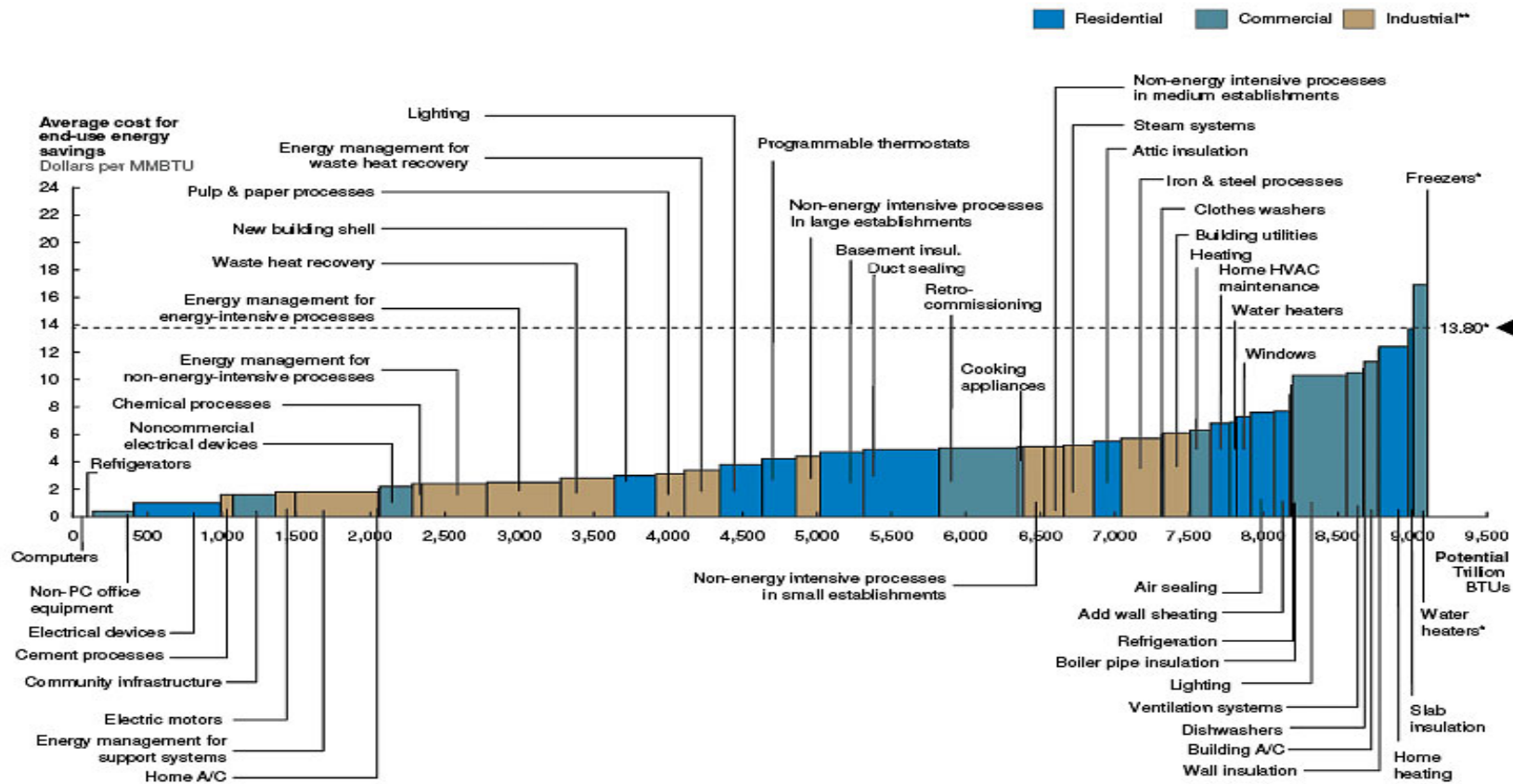
- 30% energy efficiency with measures that can be paid for by the energy savings
- \$11 Billion energy consumption savings
- \$8 Billion reduction annual fuel imports
- 25% reduction in Greenhouse Gas Emissions
- \$25 Billion Michigan sales opportunity
- \$10 Billion annual manufacturing opportunity
- 40,000 long-term jobs



Numerous Technical Opportunities

Costs per MMBTU of Energy Savings

Exhibit 7: U.S. energy efficiency supply curve – 2020



* Average price of avoided energy consumption at the industrial price; \$35.60/MMBTU represents the highest regional electricity price used; new build cost based on AEO 2008 future construction costs

** Our 49th source of savings, refining processes, offers no NPV-positive savings

Source: EIA AEO 2008, McKinsey analysis

Why? and What to Do?

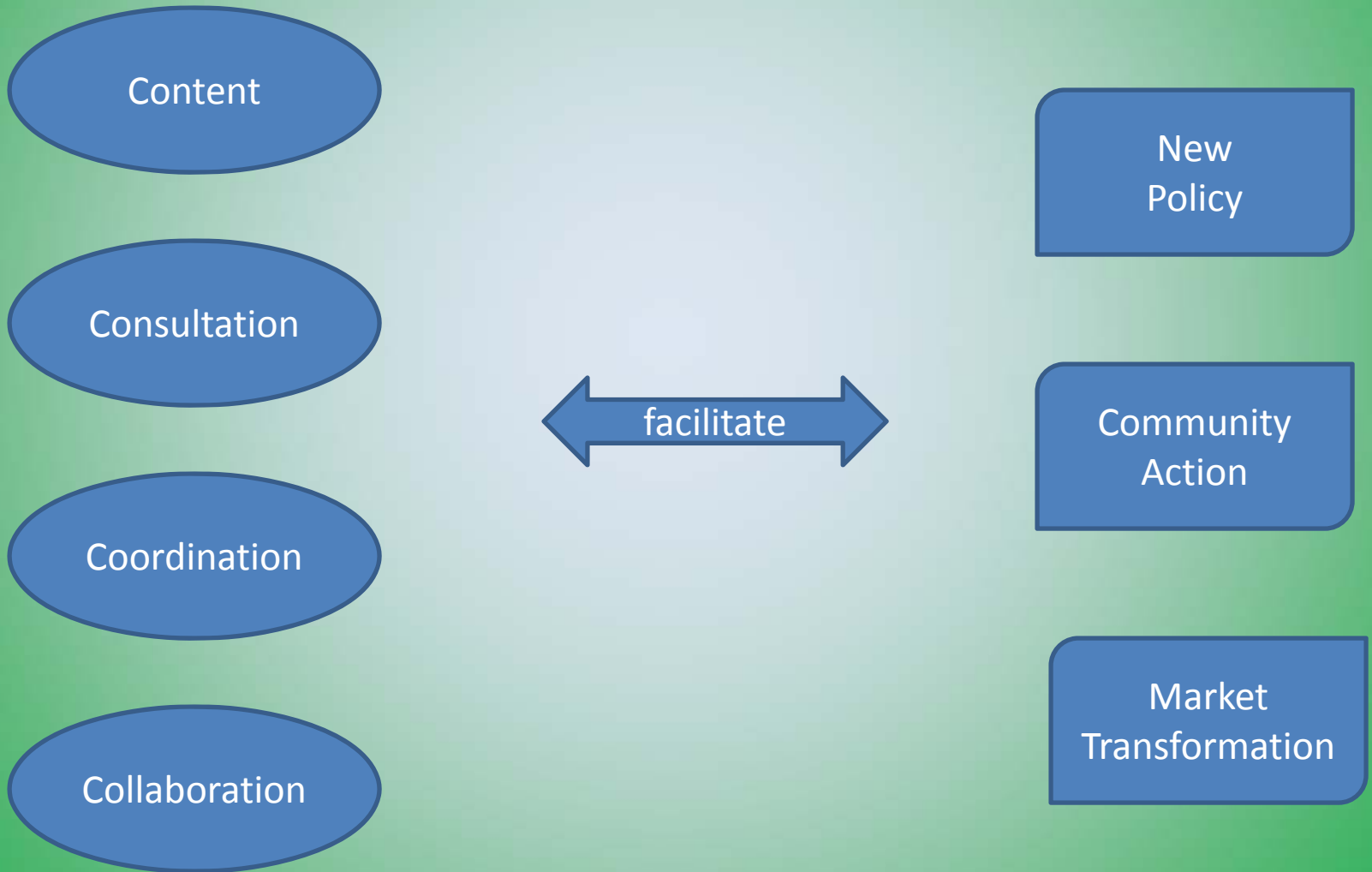
Market Failures

- Structural
 - Split Incentives
 - Ownership transfer
 - Transaction costs
 - Pricing distortions
- Behavioral
 - Uncertainty and risk
 - Lack of awareness
 - Custom and habit
 - Uneven hurdle rates
- Availability
 - Adverse bundling
 - Capital (liquidity) constraints
 - Product availability
 - Installation and use skills

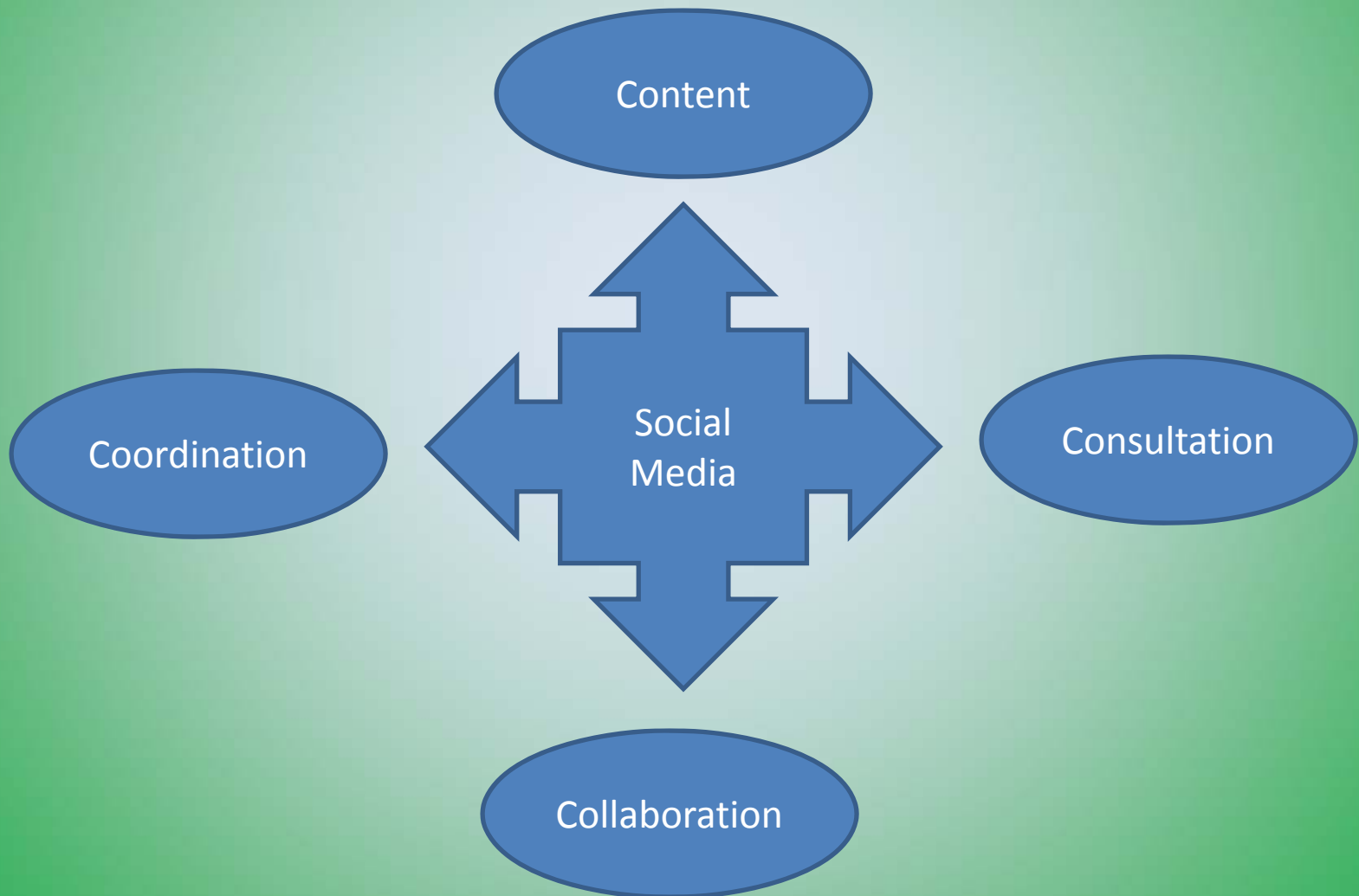
New “Green” Economy

- New Policy
 - Standards
 - Utility Reform
 - Innovation Incentives
 - Government Purchasing
- Community Action
 - Upgrade Public Infrastructure
 - Code and Plan Changes
 - Community Organizing
- Market Transformation
 - Access to Information
 - Energy Efficiency Financing
 - New Service Definitions
 - New Business Models

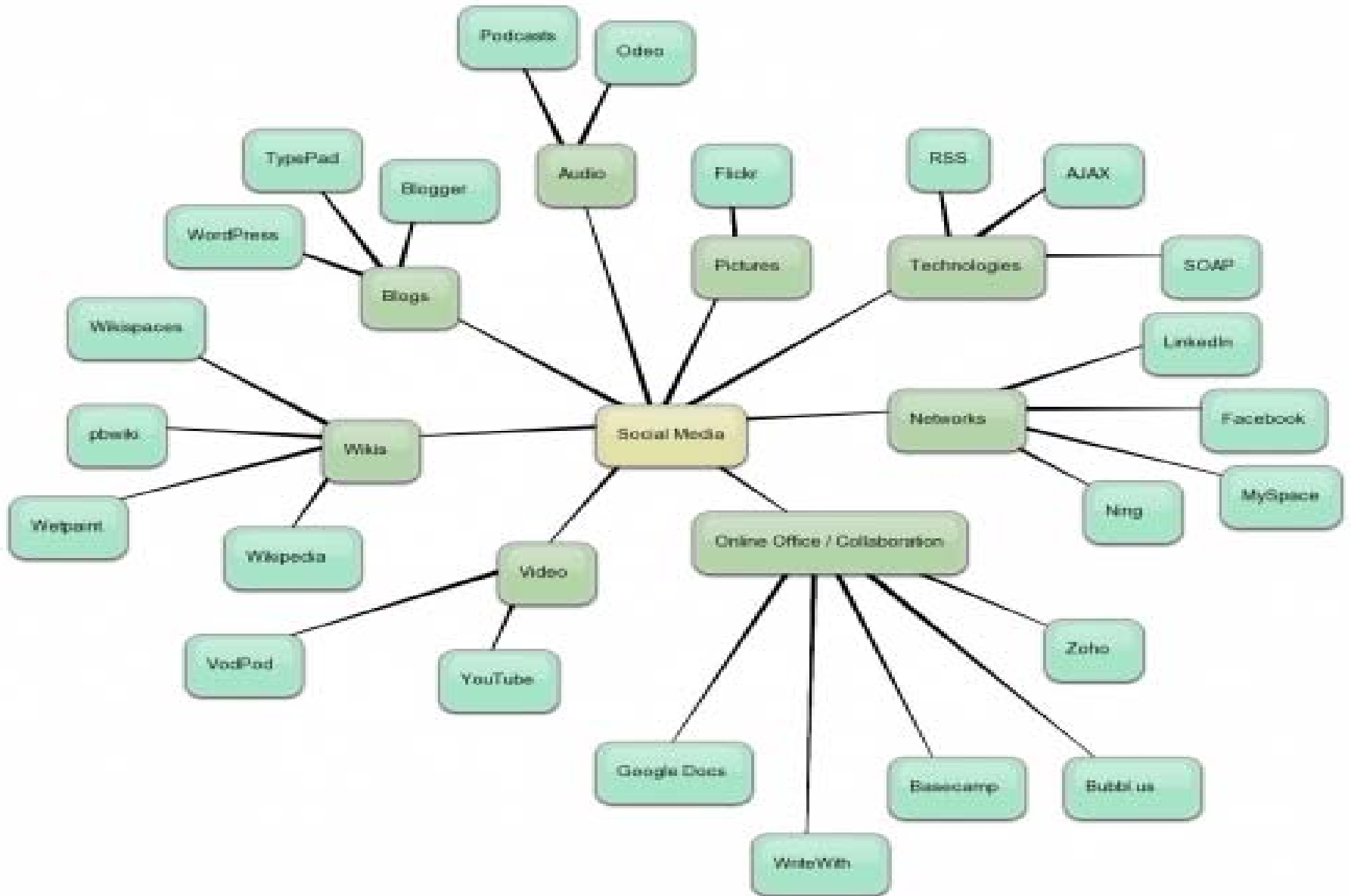
Forging Stakeholder Alignment



Communicating across Time and Place



Social Media




Fed Ex Example: Using Social Media

FedEx.


Videos Twitter YouTube

Episode 1: You and Your Company




Creating Your Profile, Company Page, & Sending Invitations.

Episode 2: You and Your Customers



You and Your Customers

Episode 3: You and Your Team



Videos Twitter YouTube

FedExDelivers:
@bluesharpie5
Sounds like a very cool sighting! Glad you got to see it. Happy Friday! :-)

FedExDelivers:
Won't be around for #delivery?
Hold your shipments for #convenient pickup at more than **2,400 locations**
<http://at.fedex.com/aKeUSA>

FedExDelivers:
Want to make your own #book?
FedEx Office has partnered with **@BlurbBooks** to make it possible!
Go to <http://bit.ly/eGdwgi>

FedExDelivers:
The fans have spoken! Join us in congratulating **@AaronRodgers12**

Videos Twitter YouTube

FedEx Expands LTL Offerings



Bill Logue, FedEx Freight president and CEO, joined 100 employees and guests at the company's Chicago Heights, Ill., facility on Jan. 31 to launch our new unified LTL network and the FedEx Freight® Priority and FedEx Freight® Economy ser...

FedEx Trade Networks Global Cargo Choices



FedEx Trade Networks -- 360

You

DELEG's Existing Social Media Presence

- Starting in February 2009, DELEG embraced social media as to engage our customers and provide increased transparency in state government
- Currently DELEG maintains nine different accounts on Facebook, Twitter and YouTube
- Almost 4000 constituents follow our daily updates, post inquires and participate in conversations with the department on a daily basis
- Social media allow for updates in a pre-existing venue where we can instantly publish information to raise awareness, promote job growth, and recognize success

Michigan Energy Office Facebook Page

Michigan's Energy Future...TODAY - Windows Internet Explorer

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Michigan's Energy Future...TODAY Recovery Act/ EECBG on the job in Michigan! A contractor blows cellulose insulation in the attic of Nile's City Hall as part of the city's EECBG project.



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 **Michigan's Energy Future...TODAY** Congrats to Gary and Robert Allen of Allen Brothers Inc., a roofing products manufacturing company in Rochester Hills, who have been invited to view the State of the Union address from First Lady Michelle Obama's private box. Recently the Allen Brothers were featured on the MIDELEG social media accounts after completing...
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 **Michigan's Energy Future...TODAY** Come watch Meridian Township "Turn on the Lights" tomorrow, January 12th at 5:30pm in front of the Douglas J. Salon in downtown Okemos! They are holding the special lighting ceremony to celebrate the installation of their new LED streetlights- made possible by an EECBG grant!



January 12 at 4:34pm · Like · Comment · Share

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Metrics Reports

- Metrics Reports measure how well EECBG projects are meeting the goals of the program
 - Most projects will use the Department of Energy's EECBG ARRA Benefits Calculator for calculating reporting metrics
 - Tutorial will demonstrate how to use calculator



0:08 / 4:54



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Michigan Cable Show: Michigan's Energy Future Today

Michigan's Energy Future Today



Michigan's Energy Future Today

Michigan's Energy Future Today is a monthly, 30-minute show that keeps viewers up-to-date on the latest initiatives and activities in state government related to energy and the new energy economy. The show features information on renewable energy, green jobs, advanced and alternative energy technologies, energy efficiency and more.

Hosted by Michigan Department of Energy, Labor and Economic Growth (DELEG) staff, Michigan's Energy Future Today gives Michigan residents an inside look at how Michigan is transitioning into a leader in the emerging new energy industries.

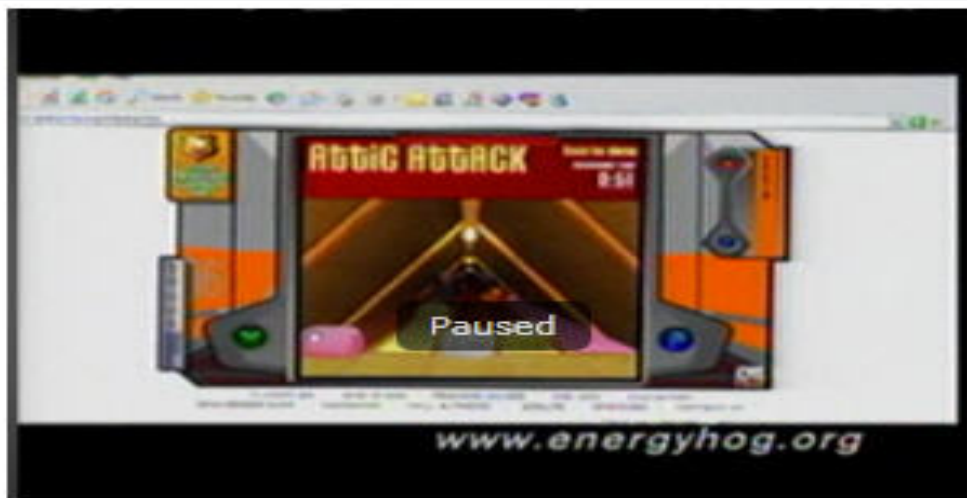


Michigan's Energy Future Today; Episodes

MEFT #18 - January 2011 – Better Buildings for Michigan

This episode of Michigan's Energy Future Today features, Better Buildings for Michigan - a statewide community-based program which provides funding for energy efficiency improvements to homes and businesses. Over the next three years, the program will save 1.2 trillion BTU's of energy, 19.6 tons of greenhouse gas emissions per year, and create more than 2,000 green jobs.

Guests: Jeff Williams, project director, Michigan Saves; Jacob Corvidae, green programs manager, WARM Training Center; Steve Toepfner, general manager, WellHome; and Scott Veldhuis, senior project manager, Detroit Economic Growth Corporation.



MEFT #17 - November 2010 – Green Communities Challenge

Investing in energy efficiency represents a major opportunity to create jobs, save money and reduce the state's reliance on fossil fuels. This episode of Michigan's Energy Future Today, focuses on the Michigan Green Communities challenge.



Website: Bureau of Energy Systems

Department of Energy, Labor & Economic Growth

Michigan.gov
The Official State of Michigan Website

Working to Create Michigan's Future Today

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Bureau of Energy Systems

Welcome to the Bureau of Energy Systems

The Bureau of Energy Systems promotes energy efficiency and renewable energy resource development to Michigan's residents, businesses and public institutions.

American Recovery & Reinvestment Act

Important Links:

- [MI Recovery Energy](#)
- [MI Recovery State Plans](#)
- [MI Economic Development Corporation \(MEDC\)](#)

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Michigan's Energy Future Today Show

Introducing A Social Media Policy

Or “This is Not Your Child’s Facebook ”

- Social Media Administrator
- Social Media Policy: key components
 - Can employees use social media at work?
 - Can they use it for work?
 - Can they represent the organization?
 - Do they need separate profiles for work / personal?
 - Can personal info sent via social channels impact an employees job status?
 - What social networks can be used for official communication?
 - Who is responsible for official communication?
 - What is the escalation process for negative or legal issues directed at the organization via social media?
 - What happens if an employee departs the organization?
 - What is the disaster response plan for social media?

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The Michigan Energy Efficiency Network

HAVE ENERGY EFFICIENCY QUESTIONS?
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Welcome to the Michigan Energy Efficiency Network, a community that helps local government, schools, businesses and other groups save time, money and effort.

The MichEEN is a tool for sharing and creating the strategies needed to solve 21st century energy challenges.

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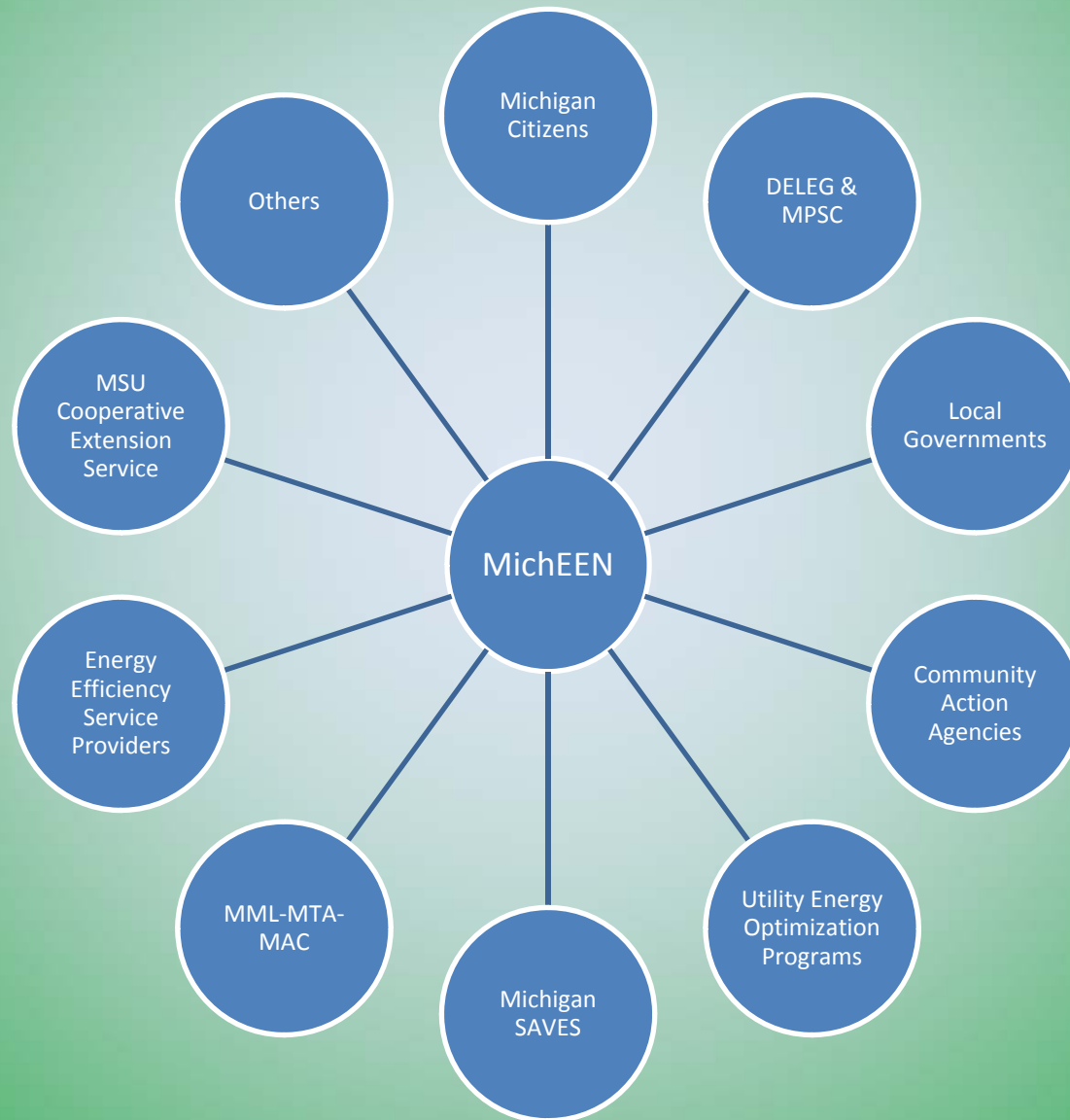
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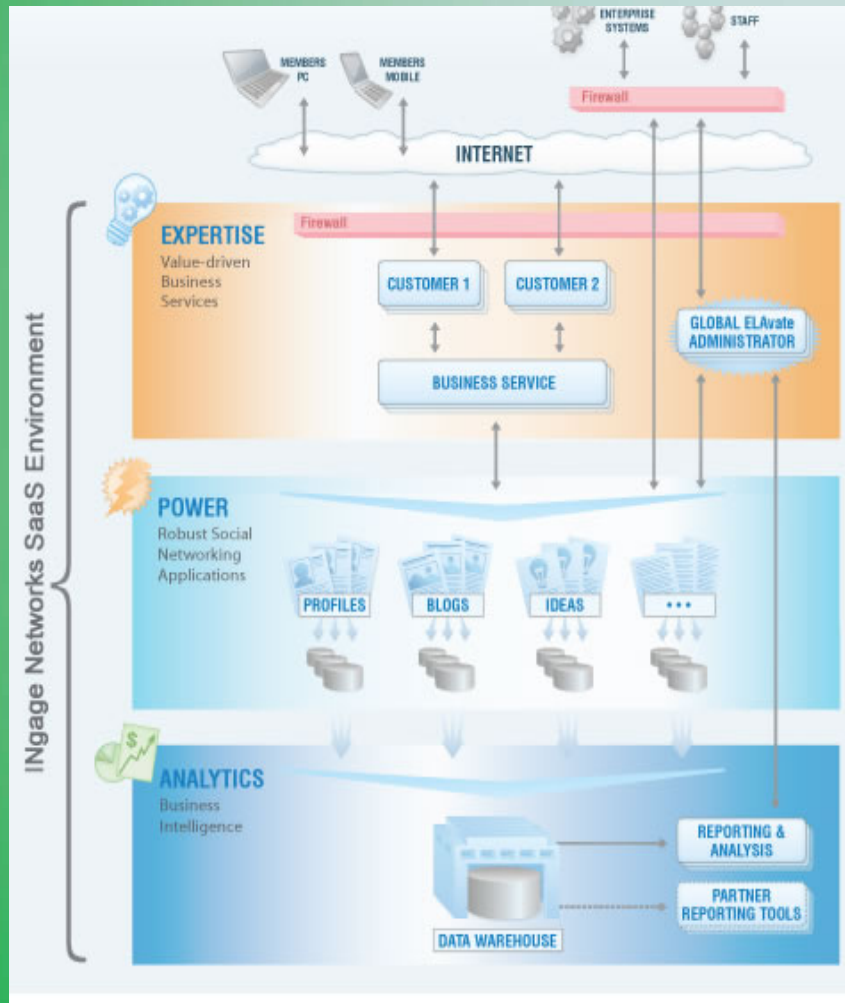
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By: butlera ●

Posted: 1/21/2011

In: Community Blog

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Posted: 14 days ago

In: Community Showcase

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By: grea2n ●

Posted: 12/12/2010

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Posted: 2/4/2011

In: Biomass to Energy



The Women in Wind event was organized by WMEAC ...

By: mabsk1 ●

Posted: 2/3/2011

In: Community Forum



That's great! I think a lot of people on this w...

Featured Blog Post



#18 Better Buildings for Michigan - January 2011

By: SOM_MEFT ●

Posted: 1/11/2011

MEFT #18 - January 2011 – Better Buildings for Michigan [Click here to view the show](#) [Read More](#) ▶

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Another Michigan LEED Platinum Net Zero Home

By: AllianceES ●

Posted: 1/31/2011

In: Community Blog

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By: JimGoodheart ●

Posted: 1/27/2011

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Created: 12/9/2010

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Welcome to the ESC MI group. We hope you attend our bi-monthly meetings and become an active member. Let us know your interests and we will connect you with the right committee.

Announcement

From: [DianeMills](#) | Posted: 2/2/2011

ESC - Michigan Chapter Meeting Notice Open to Members and Non-members

Who should attend? Any organization considering energy efficiency improvements

**February 8, 2011
2:00 – 3:30**

Host: Eastern Michigan University, Meeting location:
Eagle Crest Conference Resort and Golf Course
1275 South Huron Street

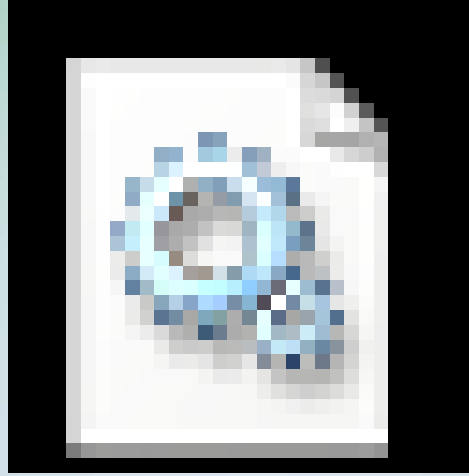
Michigan's Energy Efficiency Network

MichEEN.org

- Launched October 2010
- Funding from Michigan Public Service Commission Low Income and Energy Efficiency Fund and US DOE
- for Further Information contact:
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Douglas Jester

djester@5lakesenergy.com



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