

RETAP

Minnesota Retired Engineers Technical Assistance Program
& other energy conservation technical assistance programs

What is RETAP?

- Retired engineers, scientists, other professionals
 - Free, non-regulatory energy conservation and waste prevention assistance
 - Funded through MPCA
 - Started in 2001, currently 18 consultants, over 170 assessments completed
 - Recommendations identified approximately \$500,000 in potential savings, and resulted in \$52,942 documented client savings (2004-2007)
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Clients

- Small to mid-sized businesses – targeted on the hospitality, printing, and grocery sectors
- State and local governments
- Religious organizations
- Healthcare facilities
- Schools



RETAP Mission and Goal:

- **Mission:** To help Minnesota institutions, organizations, and small businesses reduce their environmental impact through energy conservation and waste reduction.
 - **Goal:** To provide each client with an onsite assessment, a written report, and follow-up contact encouraging and assisting the client to implement the recommendations identified by the RETAP team.
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A Typical Assessment:

1. Pre-assessment
(utility bills, benchmarking)
 2. On-site assessment with employee guide
(2-person team)
 3. Evaluation of findings
(reductions, savings, costs, paybacks)
 4. Presentation and discussion of written report and recommendations
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Typical Report Recommendations

- **Reduce energy consumption:**
fluorescent lighting, automatic controls, zone heating, HVAC equipment upgrades
 - **Manage food/organic waste:**
food to animals, food to people, compost (onsite/offsite)
 - **Increase recycling efforts:**
both technical and educational efforts
 - **Manage water use:**
install automatic and low flow fixtures, recover over-payments to sewer and water departments
 - **Track and manage energy and waste management costs**
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RETAP Could Help You:

- Meet state requirements such as B3 energy use benchmarking and the Public Entities Recycling statute (recycle at least 3 materials).
 - Identify energy conservation and cost savings opportunities.
 - Prioritize potential projects.
 - Identify waste and toxicity prevention and materials reuse opportunities.
 - Identify ways to divert more solid waste from disposal.
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Contact RETAP:

- www.pca.state.mn.us/retap
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Additional Assistance

- **MNTAP (Minnesota Technical Assistance Program)**
Energy conservation and P2 in industrial processes; Materials Exchange
www.mntap.umn.edu
 - **Center for Energy and Environment (CEE)**
Lighting audits, recommissioning, The County Government Initiative (CGI)
www.mncee.org
 - **Community Energy Resource Teams (CERTs)**
The Third Clean Energy Resource Teams Conference will be held in St. Cloud on February 10-11, 2009!
www.cleanenergyresourceteams.org
 - **Small Business Environmental Assistance Program (MPCA)**
Regulatory and P2 assistance (including boiler and furnace emissions)
www.pca.state.mn.us/sbeap
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Additional Assistance (con't.)

- MN Department of Commerce (Office of Energy Security)
B3 Benchmarking
www.commerce.state.mn.us
 - EnergySmart
An energy assistance “broker/finder/project manager” for businesses
www.mnenergysmart.com
 - WasteWise
Waste audits for a fee.
www.mnwastewise.org
 - Local utilities
 - Private Consultants/Engineers/Contractors (ex. Schools for Energy Efficiency)
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MN Next Generation Energy Act of 2007

Sets statewide goals, including

- Reduce per capita use of fossil fuel by 15% by 2015
 - Annual energy savings of 1.5 percent of electricity and natural gas
 - 25% of energy from renewables by 2025
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MN Next Generation Energy Act of 2007

- State greenhouse gas emissions reduced by 15% by 2015 from 2005 base
 - Reductions by 30% by 2025
 - Reductions by 80% by 2050
 - See www.nextstep.state.mn.us to learn more (search for Next Generation)
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THANK YOU

Questions?
