
David Herb, RETAP Manager
DEQ, Office of Environmental Assistance
517-284-6863 herbd@michigan.gov
www.michigan.gov/retap



Retired Engineer Technical Assistance Program (RETAP)

- Free Pollution Prevention & Energy Conservation Assessments

RETAP Assessments

- Identify Pollution Prevention, Energy Efficiency, and Other Cost Savings Opportunities
- Target Company Priorities

Minimum Assessment Eligibility Requirements

- Business Must have 500 or Fewer Full-time Employees in Michigan
- Own Facility with Significant Ongoing Daily Operations
- Combined Annual Utility, Water and Waste Bills of \$25,000 or more
- Sign Indemnification Agreement

Program Background

- >50 Retired Engineers
- >2000 Years Combined Professional Experience
- >1850 Assessments Completed to Date

Program Structure

- State of Michigan Administers
- Non-profit Contractor Operates
- Retired Engineers Hired as Independent Sub-contractors

RETAP Engineers

- 27 Degreed Disciplines – 17 Advanced Degrees – 15 Engineering Fields
- 13 Licensed Professional Engineers
- 8 Certified Energy Auditors
- 7 Other Certifications

RETAP Engineer Skill Set

- Extensive and Broad Based

Types of Businesses Assessed

- All Sectors: Manufacturing, Services, Healthcare, Agricultural, Offices etc.
- Institutions and Government Facilities

Assessment Steps

- Pre-assessment
- Onsite Assessment with Exit Meeting
- Mail Written Report
- Periodic Follow-ups

Assessment Report Outline

- Executive Summary Table
- Resource and Dollar Savings, Costs, and Paybacks

RETAP Annual Achievements 2013

- 54 Assessment Reports
- \$2.6 Million in Cost Savings

RETAP Annual Achievements 2012

- 89 Assessment Reports
- \$4.0 Million in Cost Savings

RETAP Annual Achievements 2011

- 89 Assessment Reports
- \$4.1 Million in Cost Savings

RETAP Annual Achievements 2007 – 2010 Combined

- 452 Assessment Reports
- \$18.5 Million in Cost Savings

Follow-up Surveys

- One Year: 44% Implementation Rate
- Two Years: 61% Implementation Rate

Testimonials – Past Three Years

- 42 Testimonials Received

Testimonials – Recent Examples

- Kenwal Steel Achieved Annual Savings Over \$185,000
- Tennant Company Achieved Annual Savings Over \$17,000

Program Support

- Michigan Manufacturers Association
- Consumers Energy

Awards Received By RETAP

- Michigan Green Leaders Award
- Most Valuable Pollution Prevention Program

RETAP Activities – Next Three Years

- 240 Pollution Prevention Assessments
- 45 Energy Audits
- 5400 Hours of Specific, In-depth Technical Assistance

Contact RETAP: Request Assessment & Additional Information

- RETAP Manager: 800-662-9278 or herbd@michigan.gov
- RETAP Contractor: 888-749-7886
- RETAP Website www.michigan.gov/retap

RETAP
Free Energy & Waste Assessments
1,850 Assessments Completed in Michigan
\$40,000 Savings per Assessment