



FREE ONSITE ENERGY & WASTE ASSESSMENTS

The **Retired Engineer Technical Assistance Program** (RETAP) provides comprehensive onsite pollution prevention, water conservation, and energy efficiency assessments to small manufacturers with 500 or fewer employees. RETAP assessments are performed by teams of retired engineers and are always free, confidential, non-regulatory, and objective. Clients have no obligations to act on any of the recommendations offered, but assessed facilities consistently indicate implementing over 70 percent of the retired engineers' suggestions for improvement. To date, RETAP has assessed over 1,000 manufacturing facilities in Michigan, with the capacity to assess 50 small manufacturers in 2016.

For each assessment, RETAP provides a written report to the facility within 60 days of conducting the onsite assessment. Each report contains specific recommendations to save money, reduce energy usage, conserve water, and eliminate or reduce waste generation and toxic chemical use. The report further includes resource and cost savings estimates of the significant recommendations identified during the assessment.

Recently, RETAP significantly enhanced its free assessment service to small manufacturers by incorporating the following tools and capabilities into the assessment process:

3E Plus® Insulation Thickness Calculator
ENERGY STAR Portfolio Manager®
EPA Greenhouse Gas Calculator
Infrared Thermal Imaging
Lean Six Sigma Assistance
Source Reduction Planning Assistance
Ultrasonic Leak Detection
Variable Frequency Drive Savings Calculator

RETAP is highly motivated to offer enhanced assessments to small manufacturers eager to implement energy efficiency and water conservation improvements, and a strong interest in source reduction planning (SRP) to reduce toxic chemical use and hazardous waste generation. Any small manufacturer interested in receiving a free assessment should visit the RETAP website (www.michigan.gov/retap) and complete the online assessment request form or print the RETAP Assessment Application & Agreement and email a scanned copy to David Herb, RETAP Manager, at herbd@michigan.gov or mail to:

David Herb, RETAP Manager
Retired Engineer Technical Assistance Program
LARA – Michigan Agency for Energy
P.O. Box 30221
7109 West Saginaw Highway
Lansing, MI 48909

Questions regarding RETAP or to request assistance in completing the assessment application should be directed to David Herb, RETAP Manager, at 517-284-6863 or herbd@michigan.gov

www.michigan.gov/retap



Additional Information:

RETAP maintains over forty (40) retired engineers, scientists, and other professionals active in the program. Each RETAP engineer has thirty to forty years of experience within industry giving RETAP the unique ability to offer nearly 2,000 years of combined professional experience to help businesses improve their operations and save money free of charge.

2015

In Calendar Year 2015, RETAP completed 78 assessments at a broad range of facilities. The total estimated annual reductions in energy and water usage, waste disposal, and facility operating expenses for these assessments are as follows:

78 Assessments

<u>Reductions</u>	<u>Amounts</u>
Electricity Usage:	28.3 million kWh
Natural Gas Usage:	1.6 million CCF
Water Usage:	16.4 million gallons
Waste Disposal:	3.9 million pounds
Operating Costs:	5.9 million dollars

Program Support:

Michigan Manufacturers Association

"This is the kind of program our small and medium sized manufacturers need. With the RETAP Program, Michigan manufacturers have a valuable pool of experienced people to help with these complex pollution prevention and energy issues."

Consumers Energy

"The RETAP Program and the assessments that they provide are a quality and professional service that greatly enhance a company's ability to better manage waste, energy, and valuable resources. RETAP's services are essential to small companies who otherwise can not afford to have this type of professional evaluation completed at their facility or operation. The recommendations that the RETAP provide will ultimately afford the client significant savings while reducing their environmental footprint and impact."

Small Business Association of Michigan

"We have long encouraged small businesses to take advantage of the free pollution prevention and energy efficiency assistance offered by the RETAP. Small businesses can readily access the experience of nearly 50 retired engineers active in the RETAP to identify opportunities for improvement."

Awards Received:

Michigan Green Leaders Award

Detroit Free Press

Most Valuable Pollution Prevention Program Award

National Pollution Prevention Roundtable

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