

MSU INDUSTRIAL ASSESSMENT CENTER

OUR PROGRAM

Established in 2021, MSU's IAC is directly funded by the US Department of Energy and provides no-cost energy assessments for industrial and commercial buildings.

The IAC is a faculty-supervised, student-driven center with a mission to increase energy and production efficiency while reducing carbon emissions.

An assessment by the IAC will provide cost-effective energy savings, waste reduction, and productivity recommendations that have short payback periods. We are one of the first IAC's to also offer energy assessments for commercial buildings. More information can be found in the 'Qualifications' section.

OUR TEAM

Our team is a collaboration between MSU, Henry Ford College, and Michigan Tech depending on your location in Michigan, assessment teams may vary. The team includes faculty with differing expertise and students from a variety of backgrounds including engineering, construction management, etc.



ENGINEERING BUILDING
428 S. SHAW LANE
EAST LANSING, MI 48824-1226
CIVIL OFFICE - ROOM 3546



COMMON TIMBER MANUFACTURING RECOMMENDATIONS

1. Repair and Eliminate Steam Leaks
2. Adjust Burners for Efficient Operation
3. Install Adequate Dryers on Airlines to Eliminate Blowdown
4. Utilize Higher Efficiency Lamps and/or Ballasts
5. Install Occupancy Sensors
6. Establish a Predictive Maintenance Program

HOW TO OBTAIN AN ASSESSMENT

CONTACT THE IAC

To contact the IAC, please visit our website (iac.msu.edu) and click the 'Clients' tab. The assessment application can be found here. After the application is received, more information must be needed to best prepare for the assessment. This includes providing utility bills, equipment lists, and a description of energy-consuming processes, in follow-up correspondence.

PERFORM A PRE ASSESSMENT MEETING

Prior to the assessment, a representative from the IAC will reach out to schedule a quick phone or zoom call to discuss further details of the assessment process. Discussion may also include site-specific processes, energy-saving opportunities, and operation times to determine the best timing and approach for the assessment.

SCHEDULE AN ASSESSMENT DAY

Schedule an assessment day that works best for the facility. The IAC will request a site contact for further information as the assessment date approaches.

HOST THE ASSESSMENT

Please prepare for the team's arrival on the assessment day. Arrange for the primary contact and any requested maintenance personnel to guide the team around the facility.



TIMBER ASSESSMENT STATS (PER ASSESSMENT)

RECOMMENDED SAVINGS:

- Energy Cost – \$134,010
- Energy Usage – 24,482 MMBtu
- Waste Cost – \$1,101
- Productivity/Other Cost – \$44,297

IMPLEMENTED SAVINGS:

- Energy Cost – \$31,416
- Energy Usage – 6,014 MMBtu
- Waste Cost – \$184
- Productivity/Other Cost – \$10,401

QUALIFICATIONS

INDUSTRIAL FACILITIES:

- Annual energy bills: 100K to \$3.5 million
- Annual sales: less than \$100 million
- Less than 500 employees per plant
- No in-house energy professional on staff
- Within Standard Industrial Classification (SIC) 20-39

COMMERCIAL FACILITIES:

- 100,000 sq ft or less

These are general guidelines, please contact for more information