



**Gulf Coast Center
of Excellence**



Session 02: Technical Resources and Support Programs

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Session Overview



**Gulf Coast Center
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This session will discuss the various technical resources and support programs available to manufacturers to enhance energy efficiency:

- Technical Assistance Programs





ITAC Ecosystem of Technical Assistance

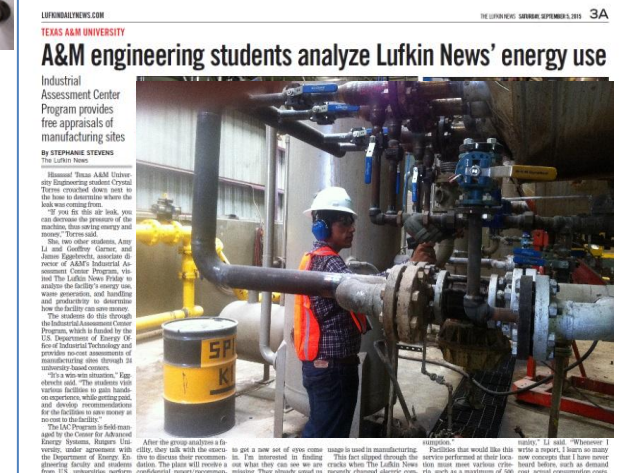
Industrial Training and Assessment Centers (ITAC)

- Conduct no-cost energy audits for medium-sized manufacturers
- Hands-on training for students
 - 36 Universities,
 - 30 community colleges,
 - 8 labor unions or industrial training centers



Industrial Training and Assessment Centers (ITAC)

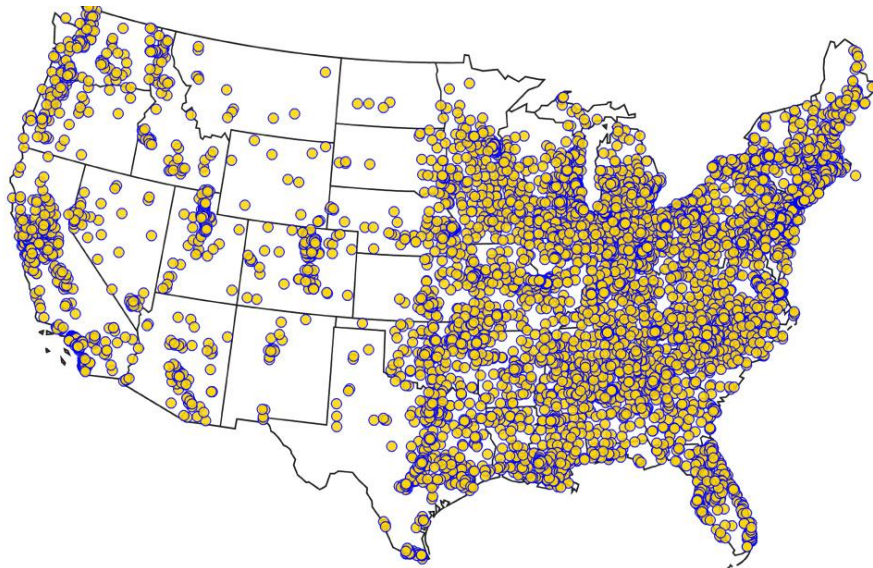
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ITAC Public Database of Energy Recommendations

As of 5/13/2026:

Assessments	Recommendations	Average annual savings/assessment
22,927	168,641	\$144,184



<https://itac.university>

ITAC Implementation Grant



- This grants program will provide up to \$400 million in grants, funded by section 40521 of the Bipartisan Infrastructure Law to small and medium manufacturers to implement recommendations made in ITAC assessments.
- Grant awards are up to \$300,000 per project at a 50% cost share.

Grant Awards Snapshot

219 manufacturers

Across 38 states

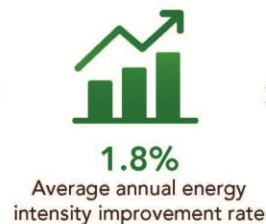
Total of more than \$40 million

Better Buildings, Better Plants



- Voluntary Program
- Manufacturers commit to energy savings goal

PROGRAM IMPACT



270+ Partners

3,600+ Plants



Auto and transportation



Food



Consumer products



Chemicals



Metals and metal products



& more

- Receive (at no cost):
 - National recognition
 - Technical support
 - In-Plant trainings
 - Energy audits
 - Software tools

NO-COST SOFTWARE & TOOLS

Access no-cost software and tools to identify and implement energy saving opportunities and manage energy use.



Calculators



No-Cost Tools for Loan



Financing
Navigator



No-Cost Resources
& Guides

INNOVATION & LABS



**National Labs
Across the Country**
Partner with the National Labs
to spur innovation.



Lab Technology Days
Sneak peek at early-stage
R&D technologies.



Field Validation
A new pilot for partners to accelerate
the voluntary adoption of cost-effective,
high-impact technologies while reducing
adoption risks.

TRAINING & EDUCATION



**In-Plant Trainings
Conducted to Date**
Multi-day training for staff to
identify, implement, and replicate
energy-savings projects.



**No-Cost Webinars
& Growing**

Diagnostic Equipment Program (DEP)

The Better Plants Diagnostic Equipment Program (DEP) allows partners to borrow over 22 different kinds of tools to collect energy data and improve equipment performance in their facilities.

Through this program, partners have the opportunity to test tools firsthand before deciding to purchase a piece of equipment on their own. This not only allows for the improved testing and collection of energy data, but also helps to demonstrate the value of certain tools in different applications throughout a facility.

EXPLORE SOME OF THE TOOLS THAT YOU CAN BORROW THROUGH BETTER PLANTS:

POWER LOGGER



This device helps you directly measure energy consumption, which can be converted into costs. It also logs data to provide electric consumption trends.

CURRENT TRANSFORMER



Use this device with a data logger to quantify the electric current flowing to a component or system and identify wasted energy.

COMBUSTION ANALYZER



This analyzer quantifies excess oxygen in boilers and combustion process exhausts, helping you save fuel and heat energy.

LEAK DETECTOR



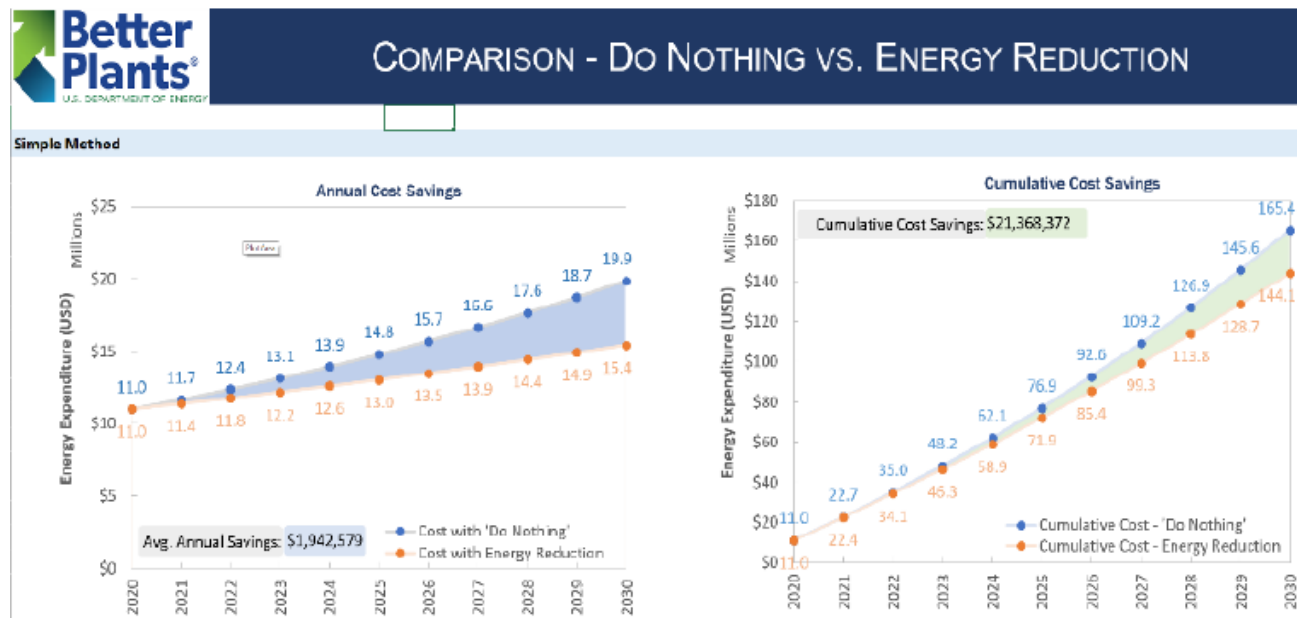
This device helps you identify leaks in compressed air or steam systems using high frequencies that are undetectable to the human ear.

FULL SUITE OF DIAGNOSTIC TOOLS

- Anemometer
- Combustion Analyzer
- Conductivity Meter
- Current Transformer
- Digital Manometer
- Digital Thermometer
- Infrared Camera
- Infrared Thermometer
- Laser Distance Meter
- Light Meter
- Pitot Tube
- Power Logger
- Pressure Transducer
- Pyrometer
- Sonic Imager
- Strobe Tachometer
- Temp/RH logger
- Thermocouple
- Thermocouple Logger
- Time of Use Logger
- Ultrasonic Flow Meter
- Ultrasonic Leak Detector

Implementation Guidance Toolkit

This toolkit assists companies with organizing and implementing their energy efficiency projects

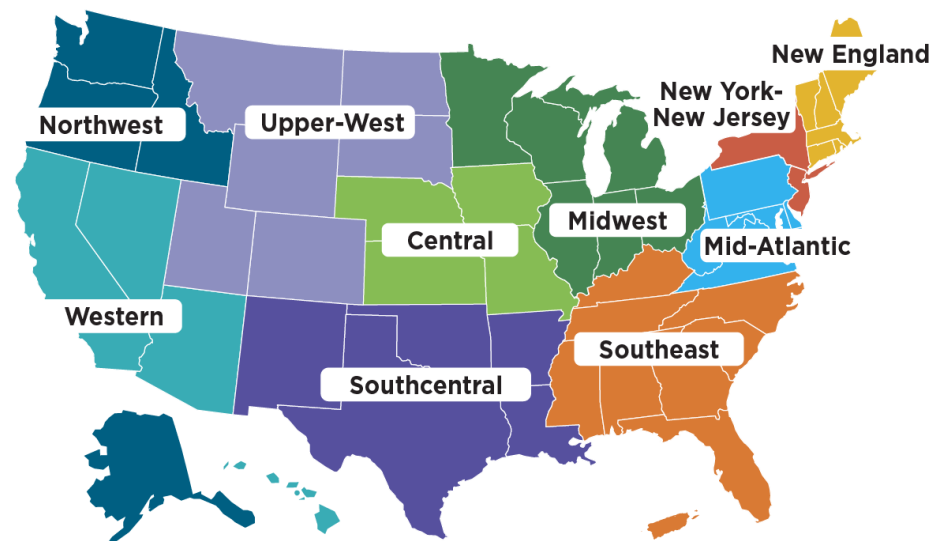


Onsite Energy TAPs



On-site Energy Technical Assistance Providers (TAPs) support regional adoption of onsite generation and storage technology

- Combined Heat and Power (CHP)
- Solar Photovoltaics
- Wind Power
- Fuel Cells
- Renewable Fuels
- Waste Heat to Power
- Solar Thermal
- Geothermal
- Industrial Heat Pumps
- Thermal Storage – Electrical Batteries

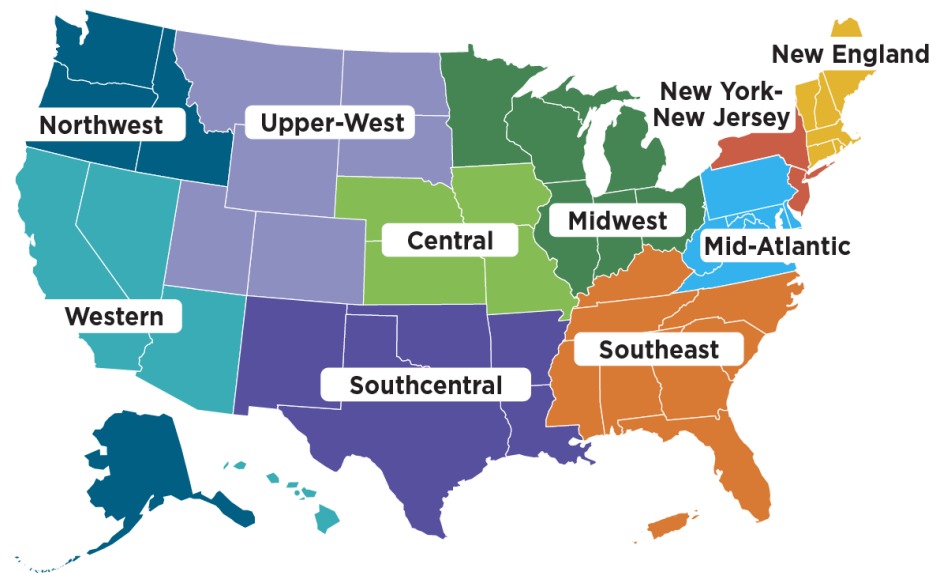


Onsite Energy TAPs



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- Technical Assistance Providers (TAPs) conduct **initial screening and feasibility analysis** for potential clients
- TAPs can perform **third-party review of vendor proposals** and investment grade analysis



NIST Manufacturing Extension Partnerships (MEPs)

NIST MEP programs provide subsidized technical assistance

- Lean Manufacturing
- Quality Management Systems
- Supply Chain Management
- Workforce Training
- ...



MANUFACTURING
EXTENSION PARTNERSHIP
National Network

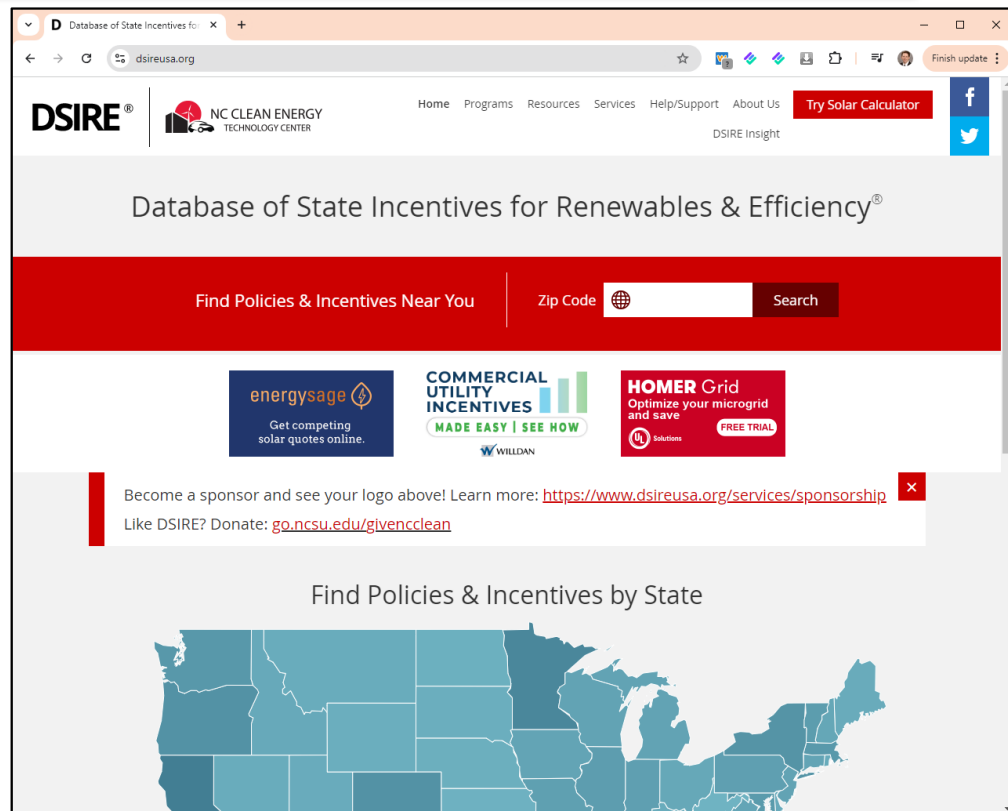


Database of Incentives/Rebates



Recently revitalized database maintained by **North Carolina Clean Energy Technology Center**

- Utility rebates
- Federal tax incentives
- National/State grants
- ...

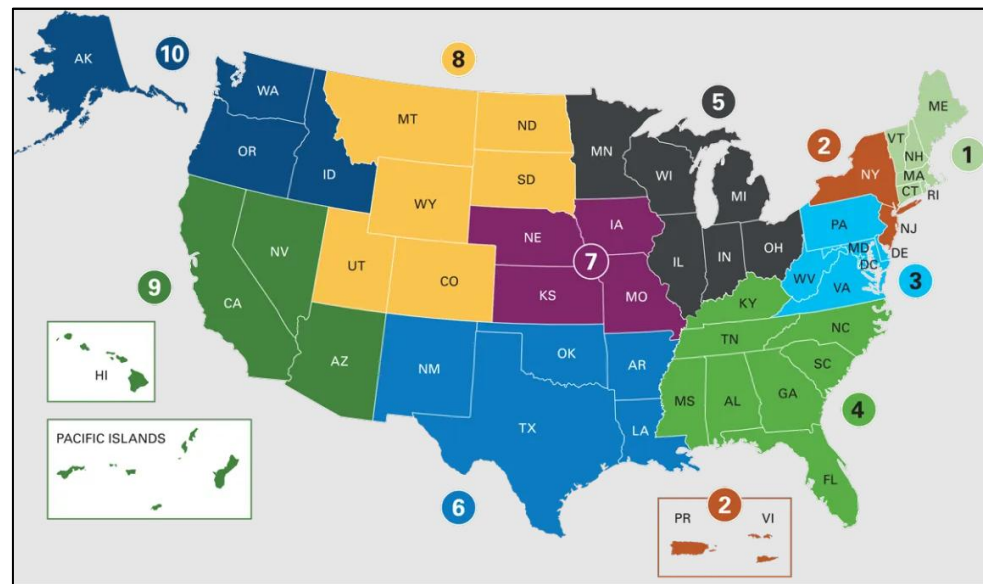


Energy Star: Industrial Assistance Network



EPA Energy Star: Industrial Assistance Network

- **Training** – Learn from experienced industrial energy managers and peer companies during **monthly energy management trainings**.
- **Tools** – Gain access to a wide range of tools and resources focused on building a program and on **plant utility and process improvements**.
- **Networking** – Attend quarterly workshops to discover and share best practices.
- **Coaching** – Receive support to build a culture of energy management and process improvement.





Questions?



Thank you!