

Save Energy Now

U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy

Industrial Technologies Program



Save
ENERGY
Now®

Paul Lemar, Jr.

President

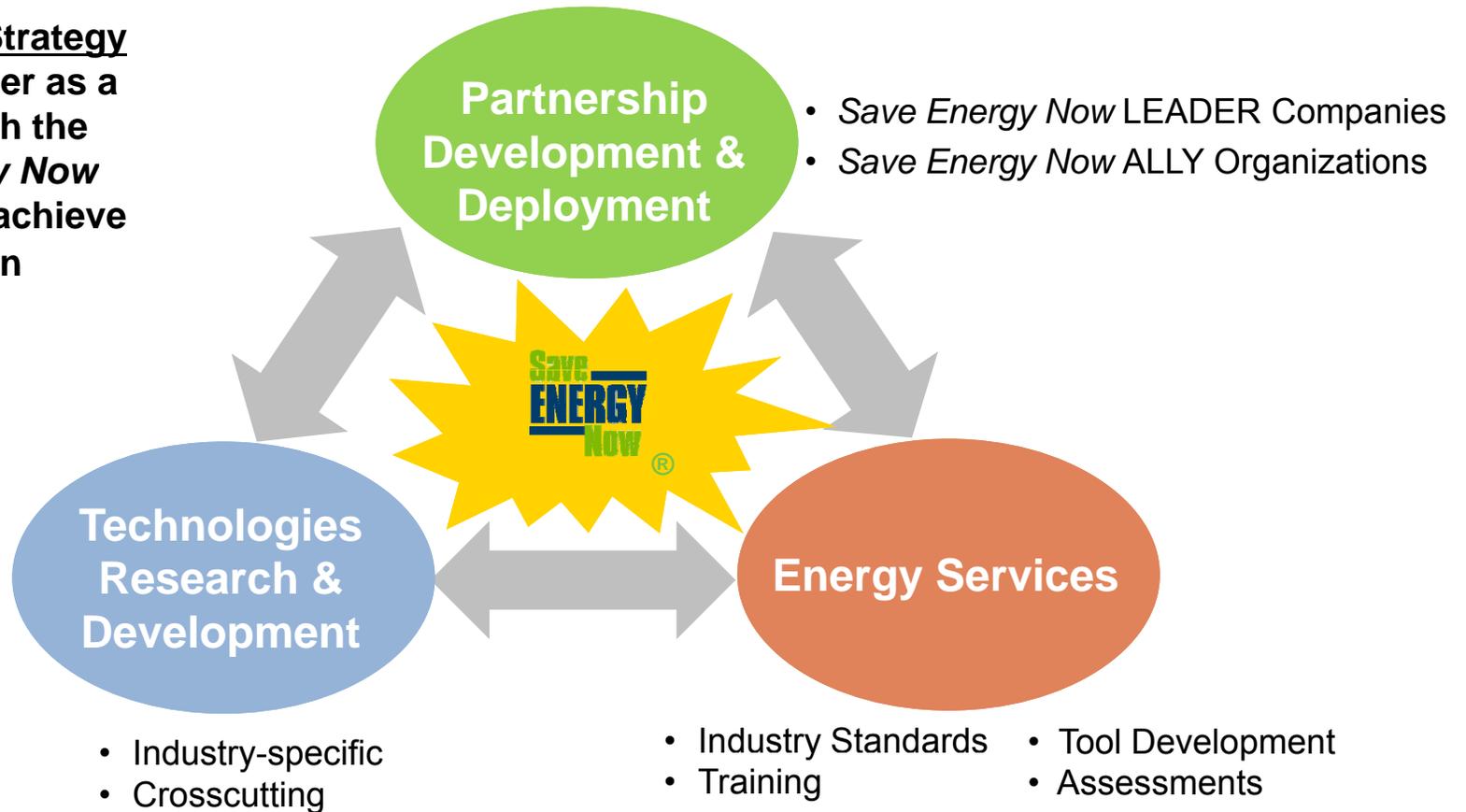
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Department of Energy Industrial Technologies Program (ITP)

Three Part Strategy
Work together as a team through the *Save Energy Now* initiative to achieve ITP's mission



Mission: The Industrial Technologies Program (ITP) leads the national drive to reduce energy intensity and carbon emissions by changing the way industry uses energy.

Goals: Drive a 25% reduction in industrial energy intensity in the next ten years.

Partner with U.S. industry, utilities, states, universities and other stakeholders to help manufacturers save energy and money, increase productivity, and reduce environmental impacts by:

- Accelerating the adoption of energy-efficient technologies and practices
- Conducting vigorous technology R&D
- Supporting commercialization of emerging technologies
- Providing plants with access to proven technologies, energy assessments, software tools, and other resources
- Promoting energy and carbon management throughout industry

Save Energy Now Services



Goal: Drive a 25% reduction in industrial energy intensity in 10 years



Tools

- Process Heating
- Steam Systems
- Plant Energy Profiler
- Motors & Pumps
- Fans

Standards

- Plant Certification



Training

- Basic
- Advanced
- Qualified Specialist



Information

- Website
- Information Center
- Tip Sheets
- Case studies
- Webcasts
- Emerging Technologies



Assessments

- Energy Savings Assessments
- Industrial Assessment Centers



Save Energy Now LEADER – A Corporate Commitment to Meet the National Goal

A new public-private partnership dedicated to leading the way to a noticeably more energy efficient industrial sector with a smaller carbon footprint

Framework: ITP will provide enhanced access to technical resources and financial assistance to “prime the pump” for private sector investment in efficiency.

Drive a 25% Reduction in Industrial Energy Intensity by 2020

Save
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A 25% reduction in industrial energy intensity is equal to the total energy consumed in the State of California in all sectors each year— 8.4 quads annually.

Save Energy Now - How is it working?

- 83 LEADER Companies pledged to save approximately 45.8 TBtu annually*
- Recent Success Stories
 - Bridgestone Tires
 - Thilmany Papers
 - Nissan North America
- Involved in Partnership Efforts
 - Kicking off a supply chain effort
 - Working with 23 States
 - Utilities and NGOs



*41 LEADER Companies still need to report their estimated savings

LEADER Requirements

- Pledge to adopt a goal to reduce energy intensity 25% or more over 10 years
 - Designate an energy manager
 - Develop an energy intensity baseline
 - Develop an energy management plan
- Take steps to reduce energy intensity and reduce carbon emissions
- Report energy intensity data and achievements annually to DOE
- Assess operational and financial feasibility



Pledge Form

Save Energy Now LEADER
Voluntary Pledge

Save ENERGY Now. LEADER

_____ voluntarily agrees to become a Save Energy Now LEADER.
Company / Plant Name

We pledge to adopt a goal to reduce energy intensity by 25% or more over 10 years.

- Within 12 months, complete the following:
 - Establish an energy use and energy intensity baseline
 - Develop an energy management plan
 - Designate an energy leader or energy manager
- Take steps to reduce energy intensity and the associated carbon emissions.
- Report energy intensity, energy use data, and achievements annually to DOE.

Through the Save Energy Now initiative, DOE will provide:

- Tailored technical assistance to assist in developing the energy baseline and energy management plan, plus ongoing access to an energy management expert
- Priority access to energy system assessments on multiple industrial systems
- Waived fees for training workshops on financing options, advanced technology, energy-analysis software, energy management, and other topics
- Easy access to proven, energy-analysis software tools and other technical resources from DOE and partner organizations
- National recognition for pledge participation and achieving reported energy savings
- Additional recognition for validated energy savings.

This pledge is a voluntary agreement, it is strictly for internal management purposes and is not legally enforceable and shall not be construed to create any legal obligation on the part of either party. This agreement can be terminated at any time without prior notification, penalties, or further obligation. DOE agrees to not comment publicly regarding a withdrawal of an agreement. This agreement does not authorize or obligate any party to expend, exchange, or reimburse funds, services or supplies, or transfer or receive anything of value. Companies and plants agree that they will not claim or imply that their participation in the Save Energy Now LEADER pledge program constitutes federal government approval or endorsement of anything other than its commitment to energy efficiency and will not make statements or imply that DOE endorses the purchase or sale of products and services or the organization's views. All agreements herein are subject to, and will be carried out in compliance with, all applicable laws, regulations, and other legal requirements.

On behalf of _____
the undersigned company representative understands and agrees to the terms of the Save Energy Now LEADER pledge.

Company _____ U.S. Department of Energy
Printed Name _____ Printed Name
Position _____ Position
Date _____ Date

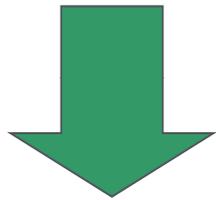
U.S. DEPARTMENT OF ENERGY Energy Efficiency & Renewable Energy

- ITP will provide tailored technical assistance:
 - Develop the energy baseline
 - Develop an energy management plan
 - Access to a Technical Account Manager
- Priority access to plant assessments and emerging advanced technologies
- Resources and tools for energy analysis
- Training workshops on financing options, advanced technology, energy management, software tools, etc.
- National recognition for commitments and progress in achieving goals
- Materials for industrial supply chains



Research and Development for the Forest Products Industry

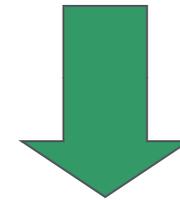
The Forest Products Program will use the roadmap to transition to a more focused, results-driven research program consistent with DOE-ITP's mission and industry's needs



Clarify ITP mission and realigned focus areas in manufacturing processes



Focus limited ITP R&D\$ on fewer, higher-impact projects



Improve success rate (Industry-ready + energy savings)

More disciplined program management

- Initiating Stage-Gate approach
- Improving financial/budget management



Advanced Water Removal

Develop breakthrough approaches to non-evaporative paper web dewatering before entering the thermal drying section



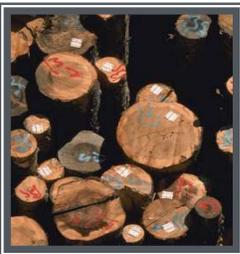
High Efficiency Pulping

Develop innovative pulping and bleaching technologies that reduce energy intensity



Improved Fiber Recycling

Increase the quality and quantity of recycled fiber; reduce energy required to re-pulp fiber



Innovative Wood Drying and Curing

Reduce energy used for wood drying/curing and emissions control

Develop technologies to reduce the energy consumption in Manufacturing Processes

How Can I Contact ITP?

- Energy Efficiency and Renewable Energy Information Center:
1-877-EERE-INF (1-877-337-3463) or eereic@ee.doe.gov
- <http://www1.eere.energy.gov/industry/>
- SaveEnergyNow@ee.doe.gov
- Jef Walker, Partnership Development & Deployment Supervisor
(202) 586-5059
- Scott Hutchins, Trade Organizations and Partnerships
(202) 586-0670
- Bhima Sastri, Technology Manager
(202) 586-2561