



U.S. Department of Energy
Energy Efficiency and Renewable Energy

Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable

The Industrial Technologies Program: Meeting the Challenge

STEAB Meeting
October 17, 2007

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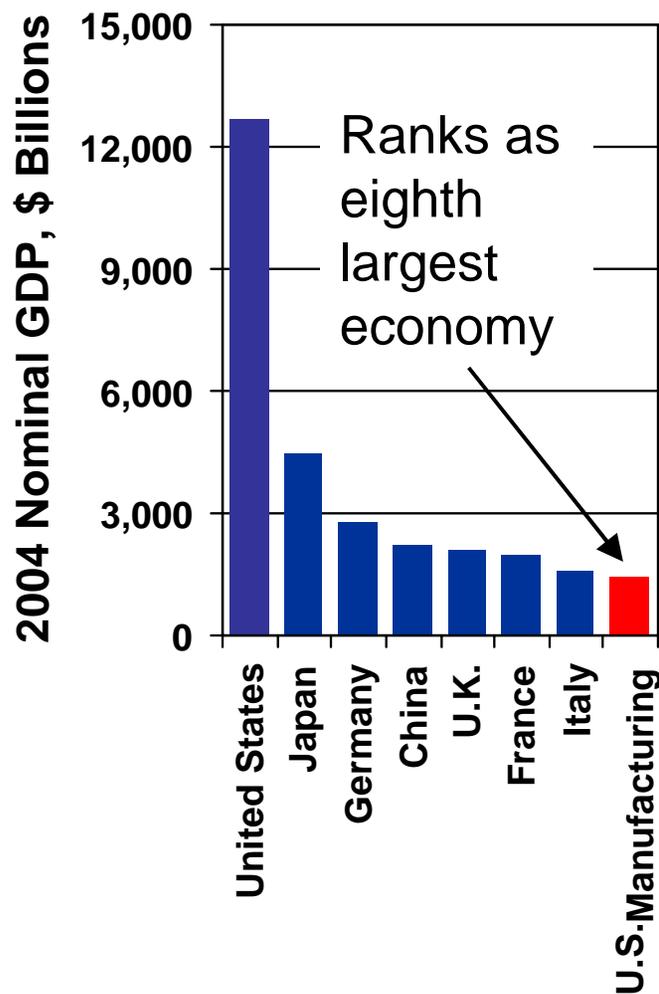
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ENERGY
 **Now**



Industry: Critical to U.S. Energy Security & Economy

The U.S. manufacturing sector

- Consumes more energy than any sector of the economy
- Makes highest contribution to GDP (12%)
- Produces nearly 1/4th of world manufacturing output
- Supplies >60% of US exports, worth \$50 billion/month
- Employs 14 million people
- Spurs job creation and investment in other sectors





Energy Policy Act (EPAAct) of 2005

Section 106:

Form voluntary partnerships with industrial companies that commit to reduce their industrial energy intensity by 2.5% annually through 2016.

- ITP must develop a program to meet this requirement
- Issued request for information from our stakeholders
- Received 39 responses from individual companies, trade association, state agencies, and other interested parties

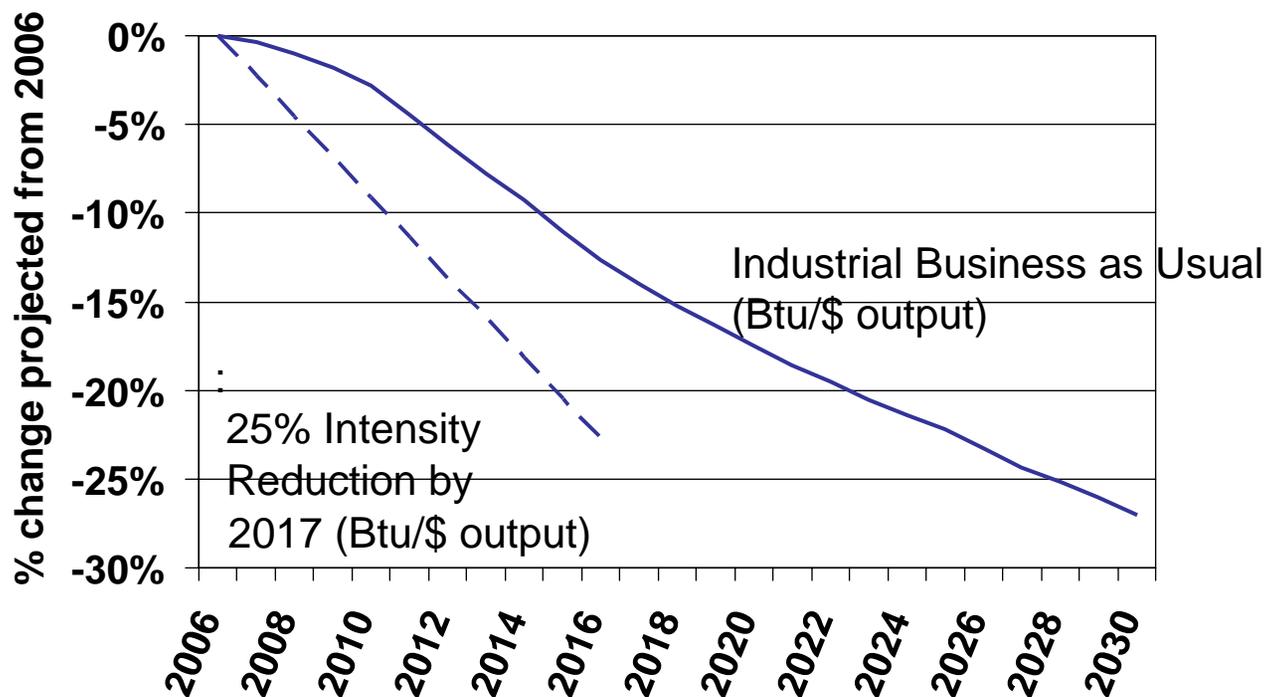




Our Goal

Drive a 25% reduction in U.S. industrial energy intensity by 2017 in support of EPA Act 2005 and the President's carbon reduction goals

Percent Change in Industrial Energy Intensity
(Business-as-Usual Case & ITP Goal)



Source: EIA, AEO 2007, Business As Usual (BAU) case



So What's New?

- Address the RD&D need throughout the Industry Sector
 - *Nano Manufacturing, Energy Intensive Processes, Industry Specific Demonstrations, Market Analysis and Deployment, Clean Heat and Power, Flexible Fuels and Feedstocks*
- *Broaden our partnerships across the industrial sector*
- Strengthen and maintain relationships with our stakeholders
- Build collaborations across federal programs
- *Significantly increase the number of plant assessments done each year*
- *Broaden the areas covered by each assessment*
- *Develop an ANSI/ISO standard for Energy Management Systems*
- *Deploy a corporate supply chain strategy*
- *Plan and implement a deployment capability*
- *Work with industry to establish a mentoring program on energy*

Result:

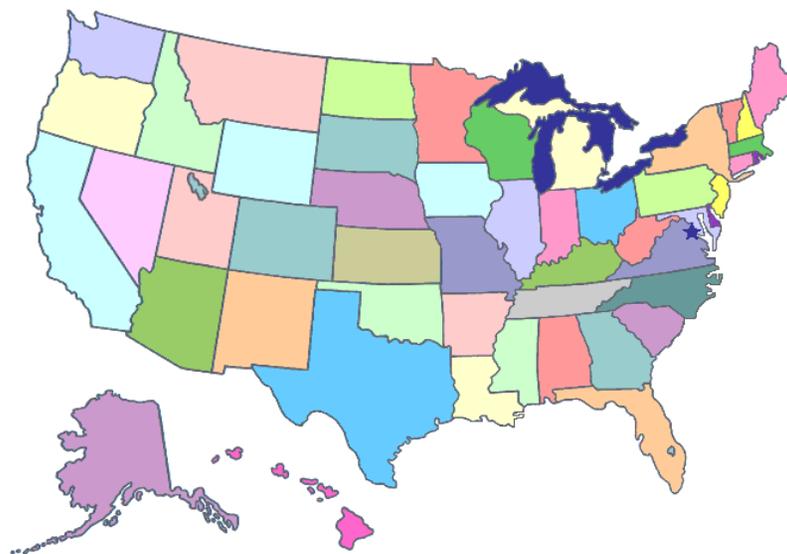
One collaboratively planned and aggressively implemented program with widely touted results and strong, active stakeholder support



Overview of ITP States

- **Goal:** Rapid deployment of energy efficient technologies and practices
- Collaborative Effort between ITP and States
- Transfer of Tools, Practices, and Technologies
- States are the **Key** Technology Delivery Vehicle for ITP and *Save Energy Now!*

Industrial Technologies Program





Local Approach

- “One Size Does Not Fits All”
 - Individual
 - Regional
- Relationships Built Locally
- Success Built on Relationships
- Work with States to Adapt ITP Tools, Practices and Technologies to their Needs
- Help to Overcome Barriers and Improve Industrial Efficiency

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New Resources

http://www1.eere.energy.gov/industry/about/state_activities/main_map.asp

- States Collaboration Plan
 - Used to guide future ITP State Activities
- ITP State Activities Web site
 - Statistics on Industry within Each State
 - Economic Indicators
 - List of State Activities
 - Important Contacts
- Coming Soon
 - States Incentives Inventory
 - Comprehensive Database of Incentives for Commercial and Industrial Entities
 - Incentives for Improved Energy Efficiency and Renewable Technology Promotion

The screenshot shows the 'Industrial Technologies Program' website. The header includes the U.S. Department of Energy logo and the program name. A navigation menu is located below the header. The main content area is titled 'About the Program' and includes a search bar on the right. On the left, there is a table of contents with links to 'Strategic Plan', 'Briefing', 'Brochures', 'Contacts', 'Budget', 'Program News', and 'ITP State Activities'. The main text area contains the heading 'Industrial Technologies Program State Activities' and a paragraph describing the program's goals. Below the text is a bulleted list of resources available for each state, including statistics, economic indicators, training opportunities, and contact lists. At the bottom, there is a map of the United States with a link to view an industry snapshot for a specific state.



Plan of Action in FY08

- Engage NASEO to be Key Communicator and Organizer
- Establishing Strategic Partnerships
 - Memorandum of Understanding
 - WI first taker
- States Solicitation
 - Marketing and Outreach
 - Training Centers
 - Energy Assessments
 - Technology Demonstrations
 - Commercialization of Emerging Technologies
 - Project Implementation
 - Five or more active State efforts by year end

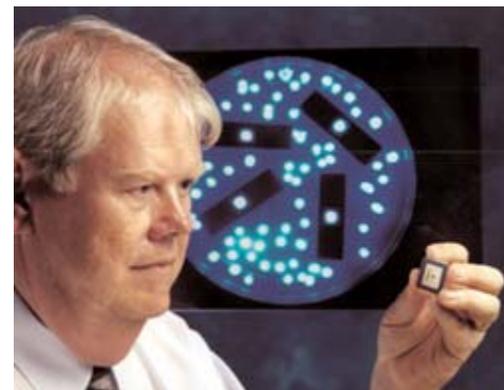


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Together We Can Make It Happen!

