



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

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# The Industrial Technologies Program: Meeting the Challenge

STEAB Meeting  
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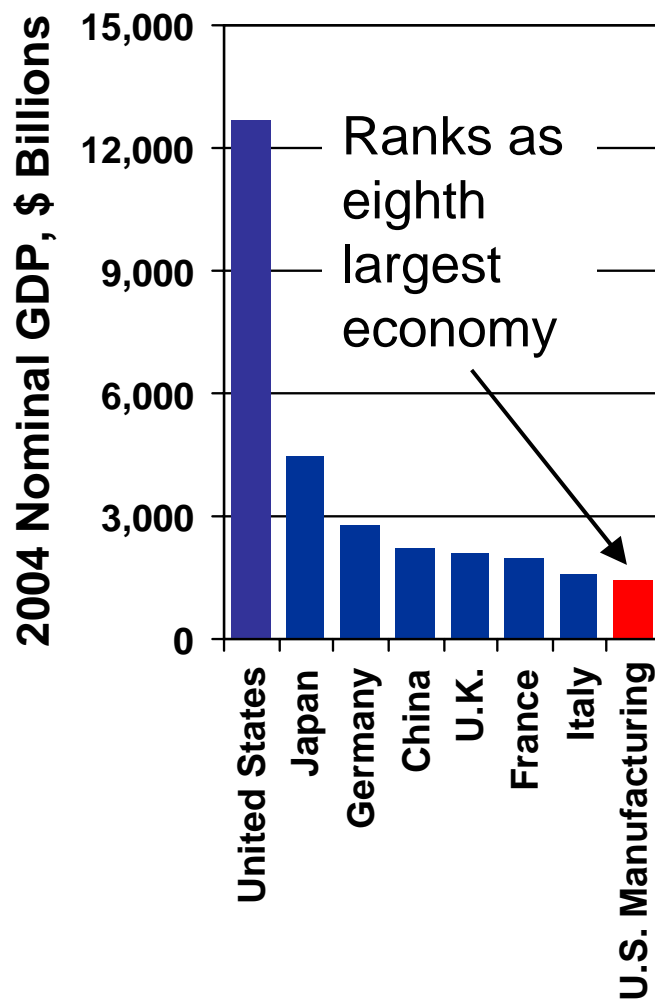
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# Industry: Critical to U.S. Energy Security & Economy

## *The U.S. manufacturing sector*

- Consumes more energy than any sector of the economy
- Makes highest contribution to GDP (12%)
- Produces nearly 1/4<sup>th</sup> 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 (EPAcT) of 2005

### Section 106:

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

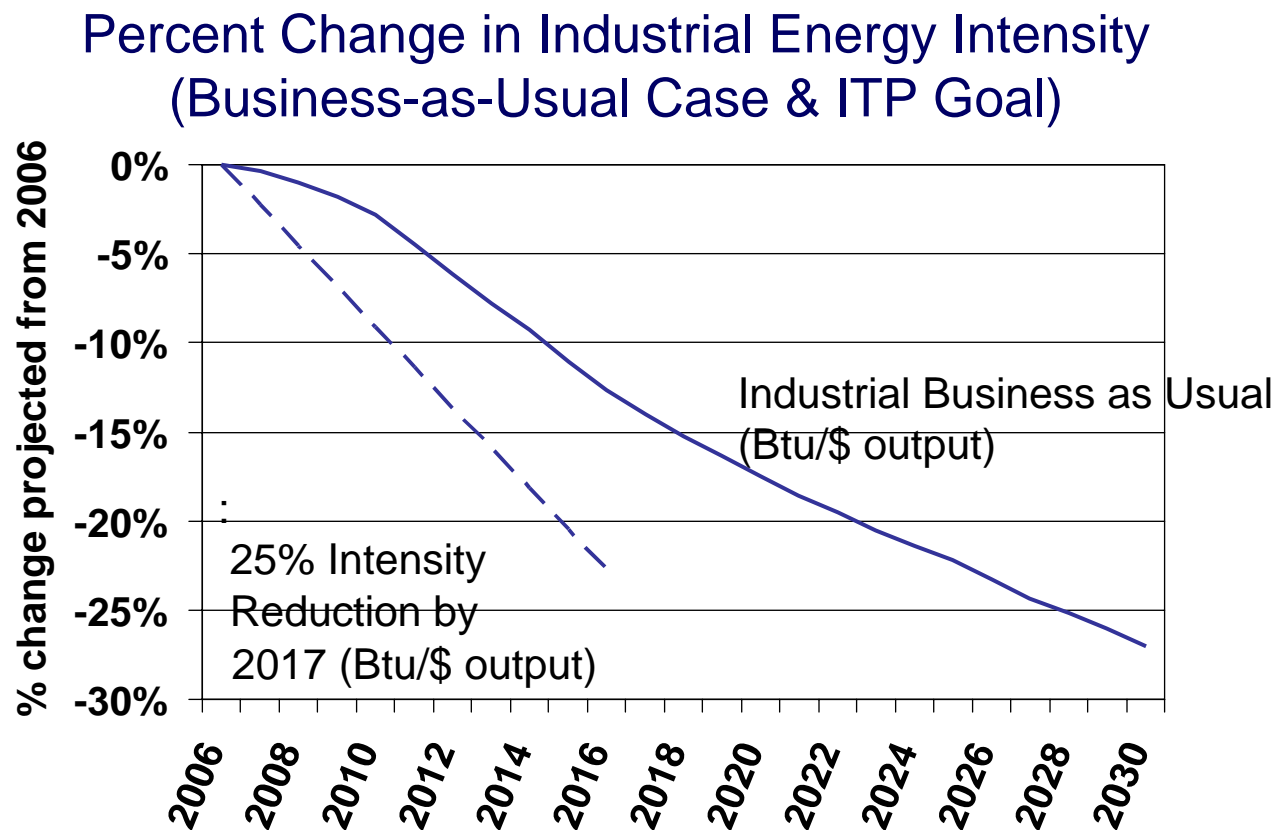
- ITP must develop a program to meet this requirement
- Issued request for information from our stakeholders
- Received 39 responses from individual companies, trade association, state agencies, and other interested parties





## 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*



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:**

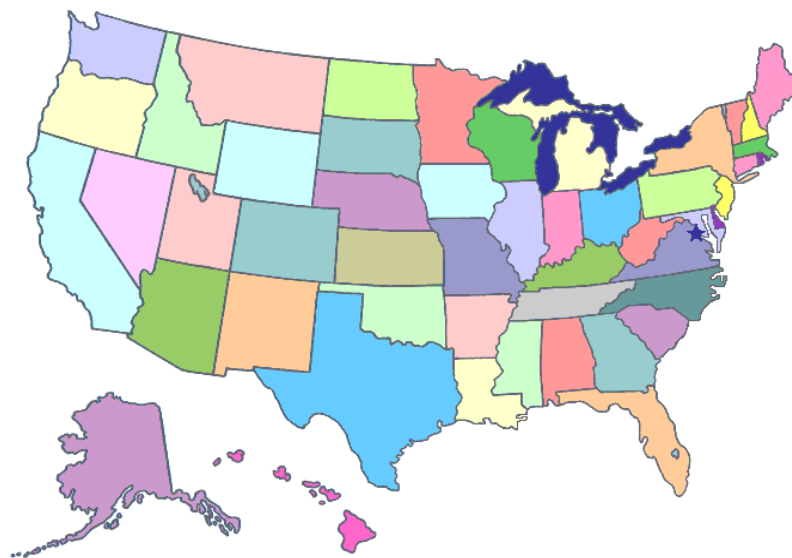
One collaboratively planned and aggressively implemented program with widely touted results and strong, active stakeholder support



## 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](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

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### Industrial Technologies Program

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#### Strategic Plan

- Briefing
- Brochures
- Contacts
- Budget
- Program News
- ITP State Activities**

#### Industrial Technologies Program State Activities

Industry is the largest and most diverse energy-consuming sector in the country. Improvements in industrial energy efficiency, and use of clean, renewable energy would mean a stronger economy, cleaner environment, and greater energy independence for America. Through the Industrial Technologies Program (ITP), DOE is currently working in each state to help industry use energy more efficiently. The following site contains an array of information related to industrial energy use including:

- statistics on industry within each state
- economic indicators and a snap shot of industrial energy use in each state
- links to learn about training opportunities within a state to help improve industrial energy consumption
- list of contacts to experts who can provide services and resources to help reduce energy consumption

Click on a link below to view an industry snapshot and ITP activities 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

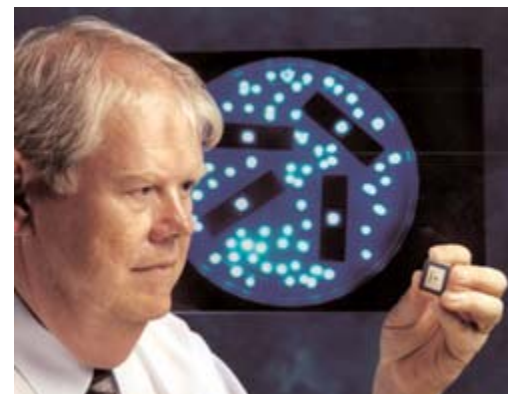


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***Together We Can Make It Happen!***

