



National Action Plan for Energy Efficiency

[www.epa.gov/
eeactionplan](http://www.epa.gov/eeactionplan)

Introduction to the Sector Collaborative and Design Team Activities

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Overview

- The Sector Collaborative Design Team
- Sector Collaborative Activities
 - Barriers to Energy Efficiency
 - Case Studies
 - Energy Use Profiles
- Next Steps



The Design Team

- Guide development of Collaborative
- Identify barriers within each sector
- Identify approaches and resources needed for each sector to implement new energy efficiency practices



Design Team Members

- Alliance to Save Energy
- American Council for an Energy-Efficient Economy
- American Gas Association
- City of Austin, Texas
- Cushman & Wakefield
- Duke Energy
- Edison Electric Institute
- Food Lion, LLC
- Great Plains Energy
- Hilton
- Marriott Corporation
- National Association of Regulatory Utility Commissioners
- National Conference of Mayors
- New Jersey Natural Gas
- Pacific Gas and Electric
- Seattle City Light
- Staples, Inc.
- Target Corporation
- Transwestern
- USAA Realty
- Wal-Mart Stores
- Whole Foods Market



Barriers to Energy Efficiency

- ***Lack of corporate commitment***
- ***Lack of information***
- ***Lack of comprehensive measurement tools and methodologies***
- ***Financial barriers***



Case Studies

- Designed to motivate action by:
 - Showcasing successful strategies for overcoming barriers
 - Reflecting real experience of organizations in each sector
 - Focusing on cost-effective, low risk changes
 - Providing models for end-user/utility coordination
 - Highlighting organizational and environmental benefits
- Opportunity for you to share your success



Energy Use Profiles

- Illuminate the potential savings from smart efficiency strategies
- Point to the impact of strategies on specific energy-using systems
- Demonstrate overall and peak electricity reductions
- Facilitate interaction between utility and end user



Energy Use Profiles – What's Included

- Building Specific
 - Office building
 - Hotel
 - Retail store
 - Supermarket
- Average consumption and cost
- Daily load shape
 - Hypothetical building in Chicago on a typical summer day
 - Baseline scenario and with efficiency measures
 - Energy performance rating – baseline and with measures
- Efficiency measures
 - O&M
 - Lighting
 - HVAC equipment



Energy Use Profiles – Summary with all Efficiency Measures

| | EUI Reduction | Peak Reduction | Cost Savings | Pre-Rating | Post-Rating |
|---------------------|----------------------|-----------------------|---------------------|-------------------|--------------------|
| Office | 23% | 28% | \$133K | 62 | 85 |
| Hotel | 22% | 42% | \$109K | 48 | 91 |
| Supermarket | 15% | 21% | \$55K | 67 | 80 |
| Retail Store | 28% | 42% | \$19K | 44 | 75 |



Your Mission

- Review documents in breakout sessions
- Consider the role you can play in advancing energy efficiency
 - As a sector
 - As an organization
 - In your community
- Identify issues for Leadership Group
- Help us plan next steps