

# EMPIRE DISTRICT ELECTRIC COMPANY

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## Energy Efficiency Programs

November 7, 2008



# Residential Programs

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- ❑ Apogee Energy Calculator & Libraries
- ❑ Change a Light
- ❑ Central Air Conditioning
- ❑ Low-Income New Homes
- ❑ Weatherization

# Apogee Energy Calculators

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- Residential Calculator
  - Home Energy Calculator
  - Appliance Calculator
  - Lighting Calculator
- Interactive House
- Libraries
  - Home Energy Systems—existing, new, outdoor
  - Fundamentals of Electricity

# Fun Page for Kids

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- Kids Korner—Apogee
- Electric Universe
- Natural Gas Safety World
  
- All include teacher guides and resources

# High Efficiency Central Air Conditioning

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- New or replacement unit in Missouri
  - Residential only
  - 15 or higher SEER
  - Central AC or heat pump
  - \$400, \$450, or \$500 rebate
    - Equal for Central AC and heat pump
  
- Beginning January 2009 installer must provide Empire with proof of training in load sizing for customer to receive rebate

# Change a Light

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- ❑ Instant \$2 rebate on CFL at participating stores for Empire customers
- ❑ Available annually October 1 through December 31



# Low-Income New Homes

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## □ Available to:

- Non-profit Organizations i.e., Habitat for Humanity Chapters
- Local government community development organizations

## □ Rebates for:

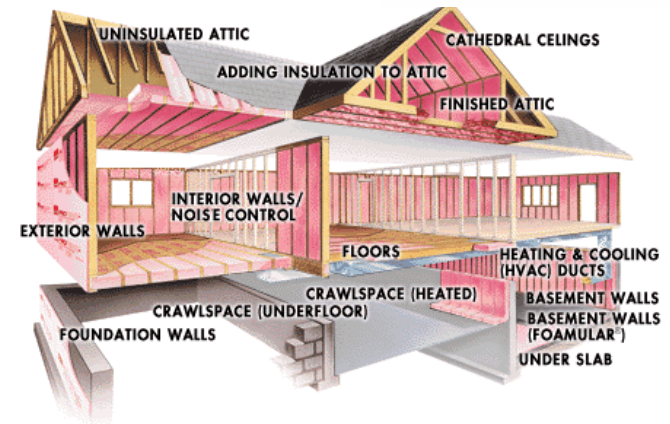
- Improved building shell through increased insulation in attic, exterior walls, and floors
- Upgrades on refrigerators to Energy Star
- Upgrades of central air conditioners to 14+ SEER
- Provides \$\$ for Energy Star lighting fixtures

# Weatherization—Electric



SERVICES YOU COUNT ON

- ❑ Administered by Community Action Agencies
- ❑ Income based
- ❑ Provides education to recipient
- ❑ Improves building shell
- ❑ Provides compact fluorescent lighting
- ❑ \$\$ toward Energy Star refrigerator
- ❑ Reduces utility bills

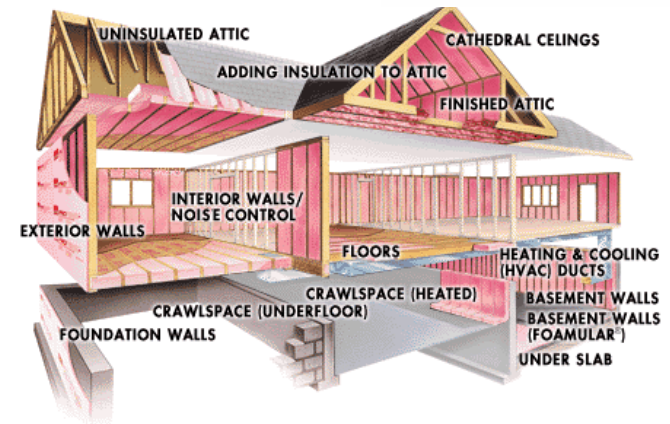


# Weatherization—Gas



SERVICES YOU COUNT ON

- ❑ Administered by Community Action Agencies
- ❑ Income based
- ❑ Provides education to recipient
- ❑ Improves building shell
- ❑ Reduces utility bills
  
- ❑ Separate funds for participants in the Experimental Low Income Program



# Commercial Programs

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- Apogee Energy Calculator
- Electric—Commercial Rebate
  - Energy audit rebates
  - Prescriptive rebates
  - Custom rebates
- Building Operator Certification
- Gas—Audit Program

# Apogee Commercial Calculator

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- Overall energy usage
- Commercial Energy Systems Library
  - Business Types
  - Technologies
  - Building Design
  - Topic Index
- Understanding Demand
  - Specific Topics
  - Building Type Energy Use
  - Animation of Topics

# Commercial & Industrial

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- \$20,000 annual limit per customer
  - Prescriptive
    - Small Commercial (SH & CB rate classes)
  - Custom
    - Commercial
    - Industrial
    - Excludes LP customers
  - Audit Rebate
    - Rebate based on square footage

# C&I Custom & Audit Program

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SERVICES YOU COUNT ON

- Custom Rebates also available
  - Must pass benefit/cost test & > 2 yr buyback
  - Rebate determined by lowest of
    - Buydown to two-year payback
    - 50% of incremental cost
    - 50% of lifecycle avoided demand and energy costs
- Rebates for Energy Audits
  - 50% of cost when implementing at least one of qualifying audit recommendations
    - Up to \$300 for facilities less than 25,000 sq. ft.
    - Up to \$500 for facilities over 25,000 sq. ft.
    - Multiple buildings eligible for multiple audit rebates

# Building Operator Certification

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SERVICES YOU COUNT ON

- ❑ Training for facility managers
- ❑ Series of 7 classes
  - ❑ Building Systems Overview
  - ❑ Energy Conservation Techniques
  - ❑ Facility Electrical Systems
  - ❑ HVAC Systems and Controls
  - ❑ Efficient Lighting Fundamentals
  - ❑ Indoor Air Quality
  - ❑ Environmental Health & Safety Regulations

# Audit Program—Gas

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- ❑ Experimental program
- ❑ Small Volume Customers

# Pending Programs

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- ENERGY STAR® Homes
- Home Performance with ENERGY STAR
- Interruptible Program

# Smart Energy Solutions

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ANY QUESTIONS?

THANK YOU FOR YOUR TIME.



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