



CEE Industry Partners Meeting:  
*Findings for U.S. Electric and Gas Programs*

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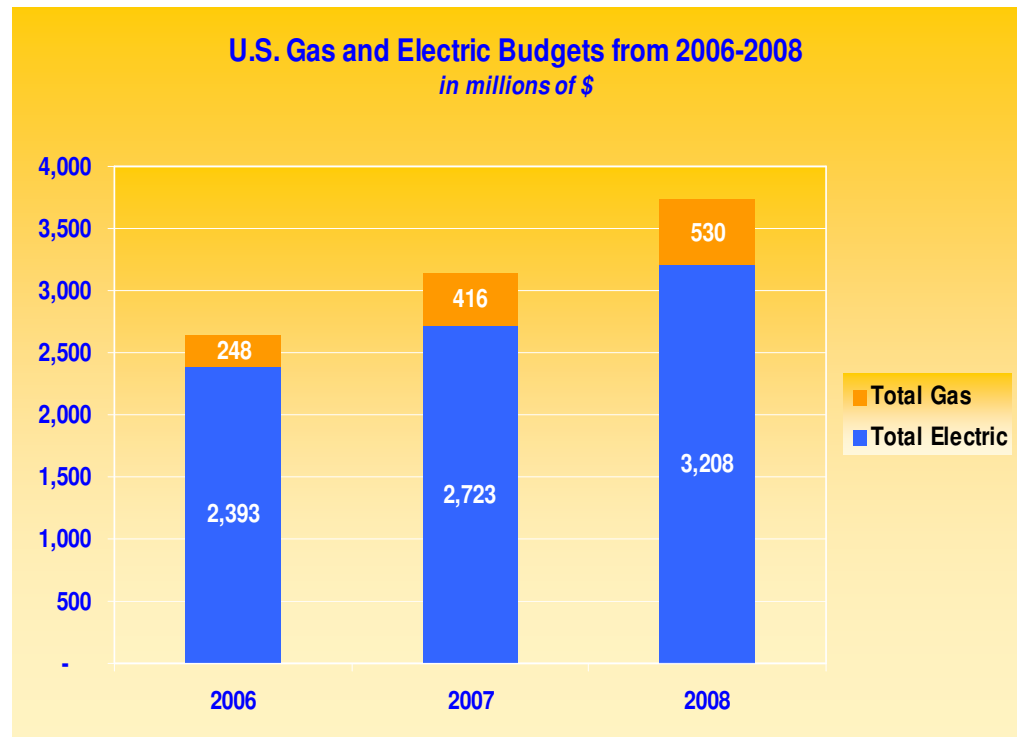
October 15, 2008

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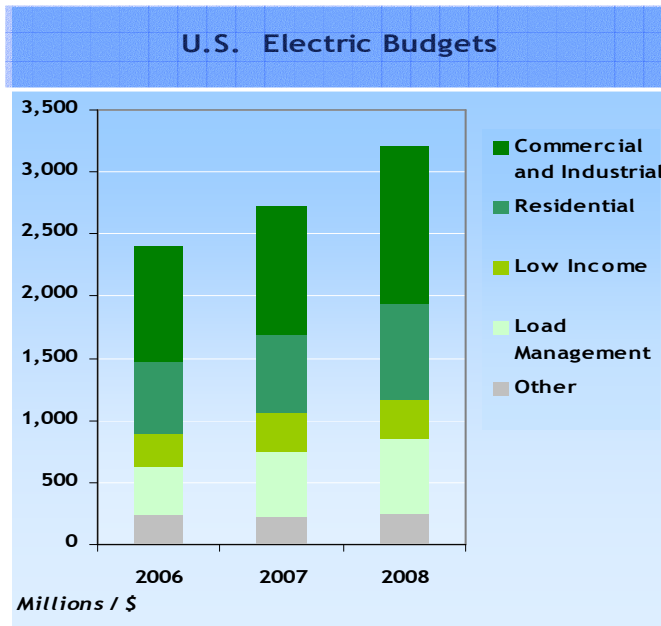
# Total U.S. Energy Efficiency Budget– *Continues to show growth*

- ◆ **The 2008 total estimated budget for gas and electric energy efficiency programs is \$3.7 billion**
- ◆ **Electric program budget of \$3.2 billion**
  - ◆ Total electric budget represents 86% of the total
  - ◆ Budgets have increased 34% from 2006
- ◆ **Gas program budget is \$529.6 million**
  - ◆ Total gas budget represents 14% of the total
  - ◆ Budgets have increased 123% from 2006



***This high level of growth is expected to continue as state and national legislation favor the growth and expansion of energy efficiency programs***

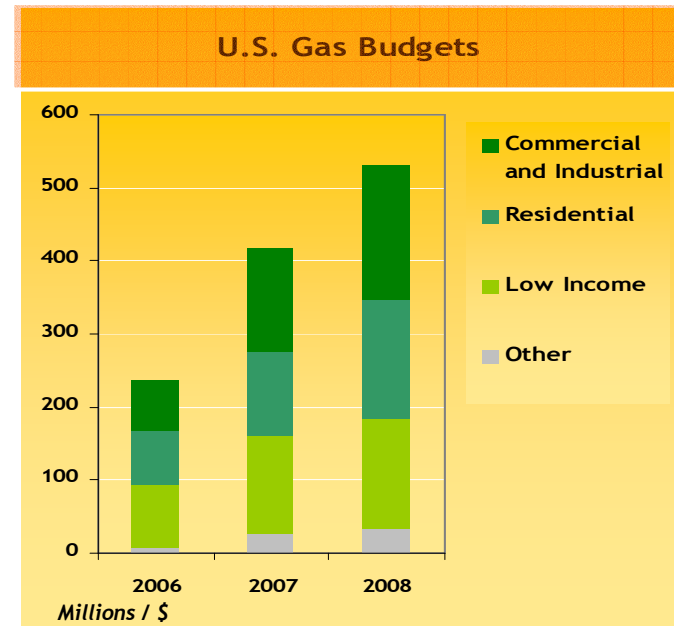
# U.S. Gas and Electric Efficiency Budgets by Sector (2006-2008)



◆ The *electric* efficiency budget has grown an average of 16% per year since 2006 and is expected to continue at this rate given the commitment to programs from utilities and regulators

◆ 18% increase in budgets from 2007

- ◆ The Commercial and Industrial budget increased (23%) and Residential (21%) from 2007
- ◆ The Low Income budget increased (3%)
- ◆ The Load Management budget increased (13%)



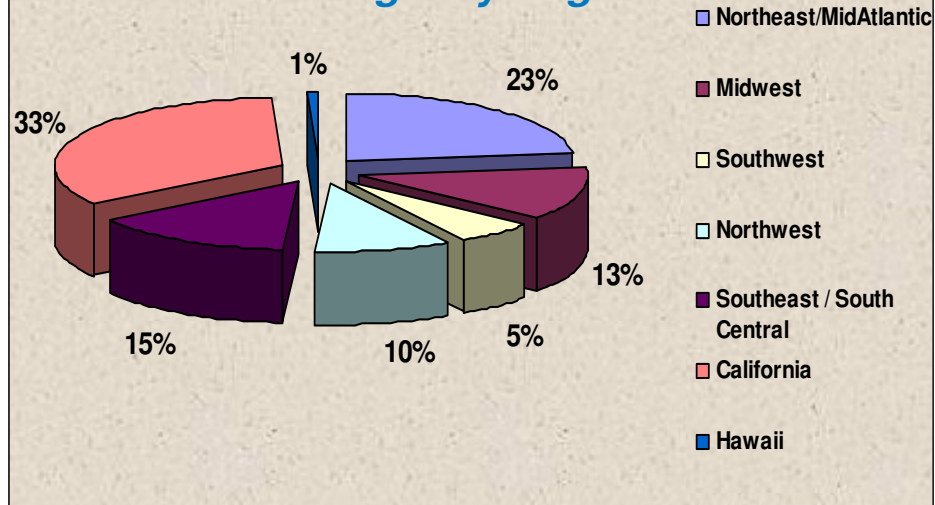
◆ Gas efficiency budgets have seen explosive growth in the past 2 years (123% from 2006) due to a commitment from utilities and regulators

◆ 27% increase in budgets from 2007

- ◆ The Commercial and Industrial budget increased (31%) and Residential (42%) from 2007
- ◆ The Low Income budget increased (10%)

# 2008 Percent Allocation of U.S. Efficiency Budgets by Region

## Electric 2008 Budget by Region



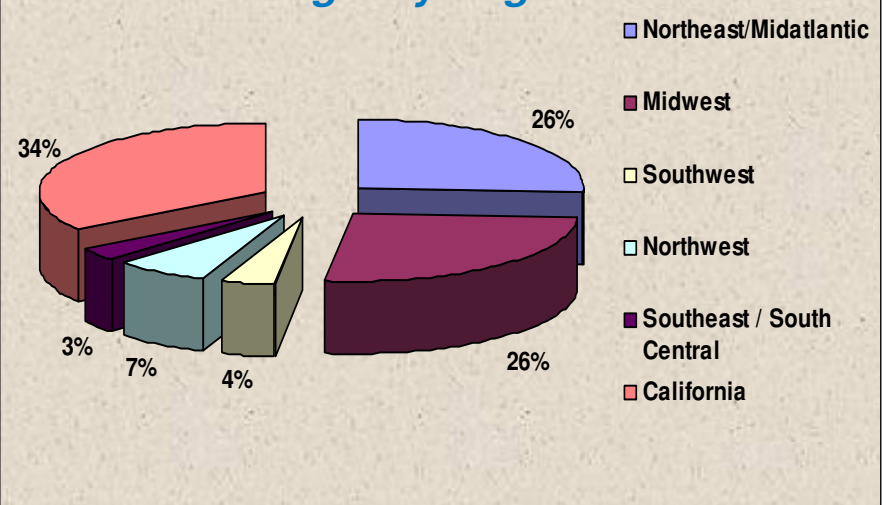
- ◆ **The NE/ Mid Atlantic states are 23% of the total electric efficiency budget**

- ◆ This is due to new legislation and an increased commitment to electric efficiency in New York, New Jersey, and Vermont

- ◆ **The Midwest is 13% and the Northwest 10% of the electric efficiency budget**

- ◆ **California is 33% of the electric budget due to aggressive efficiency legislation**

## Gas 2008 Budget by Region



- ◆ **The NE/ Mid Atlantic states are 26% of the total gas efficiency budget**

- ◆ This is due to the influx of new gas programs in this region, especially in New York and New Jersey

- ◆ **The Midwest also has a big commitment to gas efficiency and is 26% of the total gas budget**

- ◆ **California is 34% of the gas budget due to aggressive efficiency legislation**

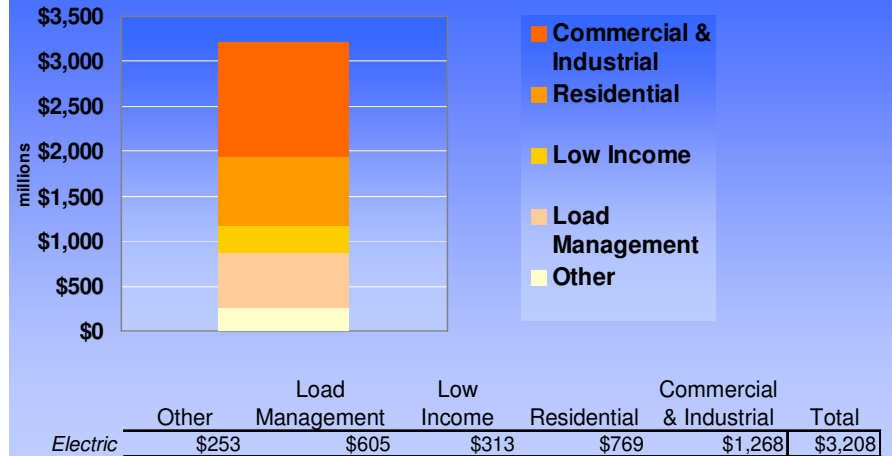
# Electric Energy Efficiency Programs in the U.S.

◆ 2008 Electric program budget is \$3.2 billion

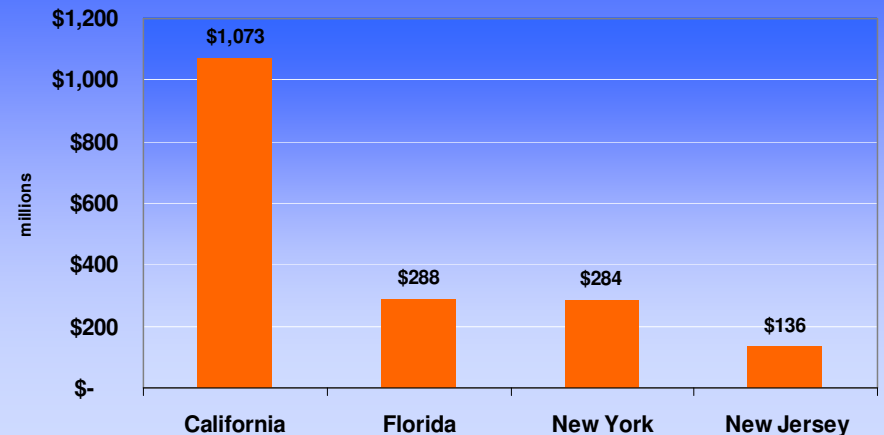
◆ The four states with the highest electric efficiency budgets represent 55% of the total

- ◆ California (\$1.1 billion)
  - Budgeting 3 times more than the next largest state budget
- ◆ Florida (\$288 million)
- ◆ New York (\$284 million)
- ◆ New Jersey (\$136 million)

2008 Electric Energy Efficiency Budgets by Program

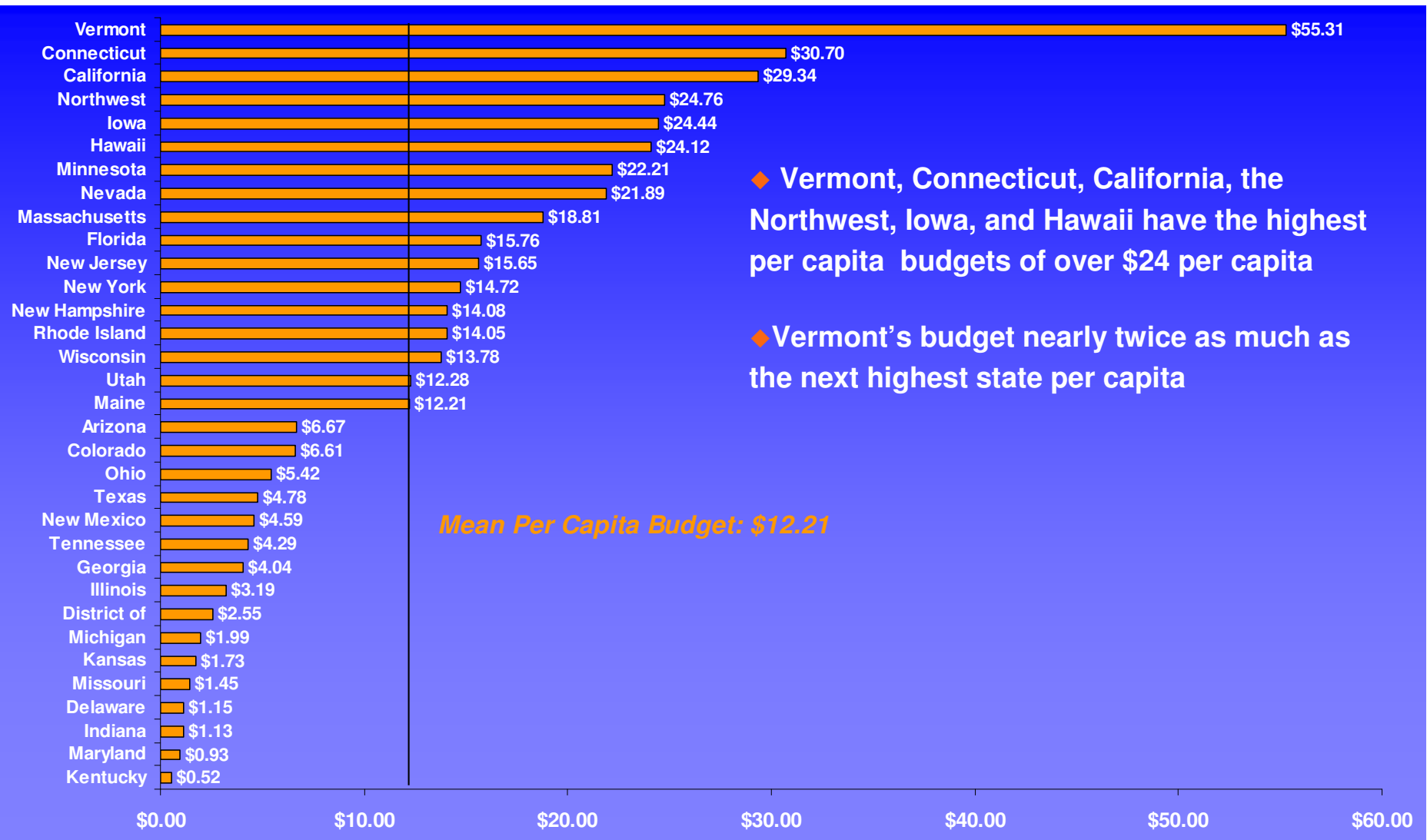


2008 Electric Budgets from the Highest Spending States



# Electric Energy Efficiency Programs in the U.S.

## 2008 per Capita Budgets for *Electric Programs*



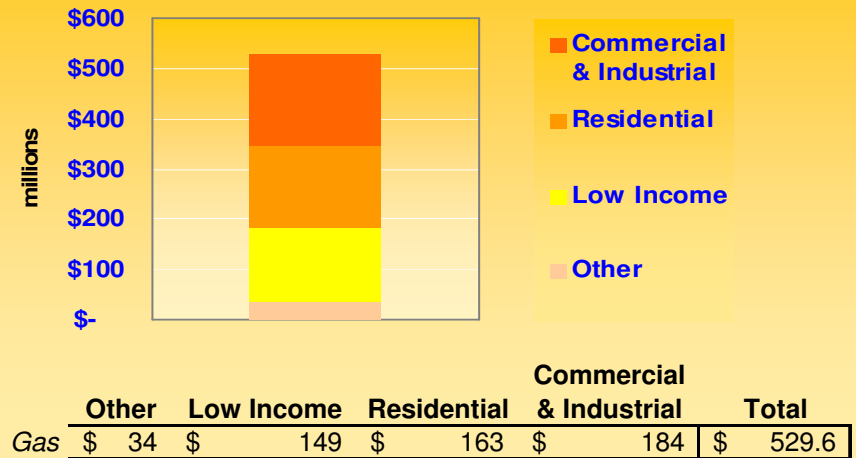
# Gas Energy Efficiency Programs in the U.S.

◆ 2008 Gas program budget is \$529.6 million

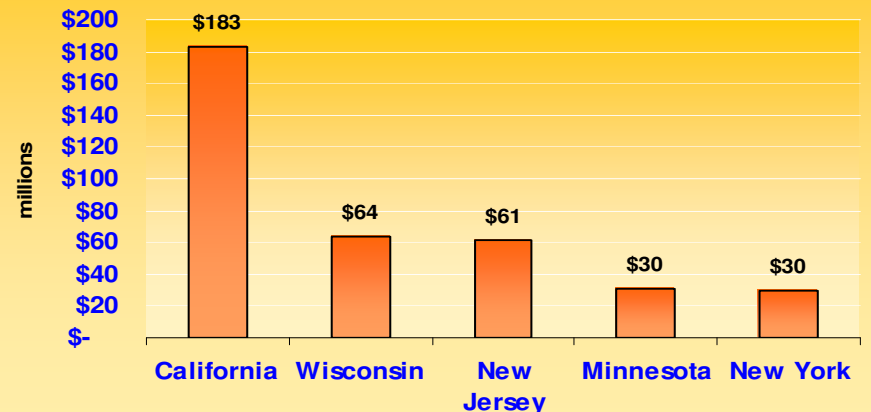
◆ The five states with the highest gas efficiency budgets represent 69% of the total

- ◆ California (\$183 million)
  - Budgeting 3 times more than the next largest state budget
- ◆ Wisconsin (\$64 million)
- ◆ New Jersey (\$61 million)
- ◆ Minnesota (\$30 million)
- ◆ New York (\$30 million)

2008 Gas Energy Efficiency Budget by Program

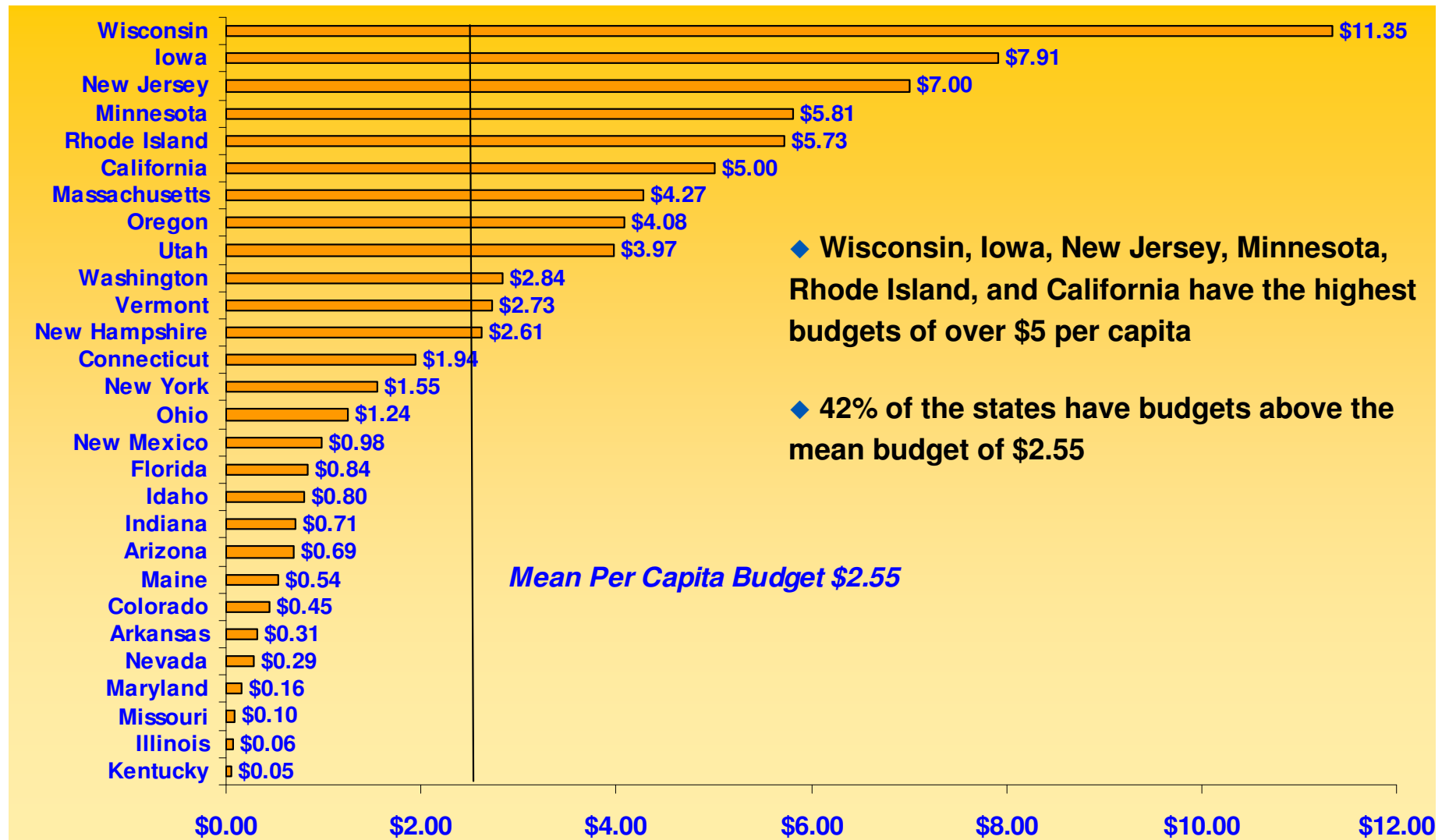


2008 Gas Budgets from the Highest Spending States



# Gas Energy Efficiency Programs in the U.S.

## 2008 Preliminary per Capita Budgets for Gas Programs



# 2007 Electric and Gas Savings Impacts (U.S. and Canada)

- ◆ In 2007, efficiency programs across the United States and Canada are estimated to have saved:
  - ◆ **68,520 GWh of electricity**
  - ◆ **235 million therms of gas**
  - ◆ **Avoided production of 41 million metric tons of CO<sub>2</sub>** (up from 36 million tons in 2006)
- ◆ The carbon dioxide emissions avoided by CEE member's efforts in 2007 is equivalent to the emission from nearly **9 coal-fired power plants**
  - ◆ CO<sub>2</sub> reduction in 2007 is the same as GHG emissions from powering **3.7 million homes**
  - ◆ The CO<sub>2</sub> saved in 2007 is **more than could have been sequestered by a billion tree seedlings** grown for 10 years
- ◆ Based on the average retail value of electricity and gas in 2007, the electric and gas savings from CEE member's programs saved ratepayers more than **\$6 billion USD**

# Efficiency Trends in the U.S.

◆ **Energy efficiency has become well-publicized and of intense interest due to the increase in the price of energy, concern over global warming, and the declining economy. In response communities and lawmakers are becoming aggressive in setting efficiency standards and investing in efficiency measures:**

- ◆ *California*- on September 22<sup>nd</sup> adopted the first Long Term Energy Efficiency Strategic Plan for utilities, businesses, and consumers;\*
  - All new residential construction in California will be zero net energy by 2020, commercial in 2030
  - The Heating, Ventilation, and Air Conditioning (HVAC) industry will be reshaped to ensure optimal equipment performance
  - All eligible low-income homes will be energy efficient by 2020
- ◆ *New York*- the Energy Efficiency Portfolio Standard (EEPS) proceeding has established electric reduction targets and is establishing a statewide target for natural gas reduction
- ◆ *Massachusetts*- The Green Communities Legislation was passed in July 2008 and aggressive funding for energy efficiency is in place, budget in 2012 = \$192 million;\*\*
  - Requires utility companies to enter into 10- to 15-year contracts with renewable energy developers to help developers of clean energy technology obtain financing to build their projects
  - Utilities and other electricity suppliers will be required to obtain renewable power equal to 4% of sales in 2009 – rising to 15% in 2020 and 25% in 2030

\*The California Public Utilities Commission; [www.cpuc.ca.gov](http://www.cpuc.ca.gov)

\*\* The Official Website of the Governor of Massachusetts;  
[http://www.mass.gov/?pageID=gov3pressrelease&L=1&L0=Home&sid=Agov3&b=pressrelease&f=080702\\_bill\\_energy\\_clean&csid=Agov3](http://www.mass.gov/?pageID=gov3pressrelease&L=1&L0=Home&sid=Agov3&b=pressrelease&f=080702_bill_energy_clean&csid=Agov3)