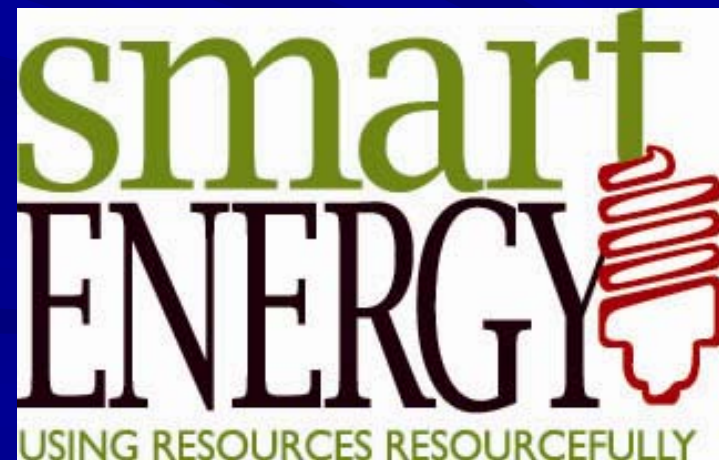


# Smart Energy 1<sup>st</sup> Year Program Recap 2<sup>nd</sup> Year Program Recommendations



# 1<sup>st</sup> Year Smart Energy Totals

As of May 22, 2008

- 567 participants.
- \$322,482 paid out.
  - \$51,546 remaining.
- 564,743 kWh saved.
- 498 KW saved.
- \$51,188 customer savings.
- \$546,877 avoided cost.

# 1<sup>st</sup> Year Smart Energy Estimated Ratios

July 1, 2007 - May 22, 2008

<b>Program</b>	<b>KW Saved</b>	<b>kWh Saved</b>	<b>Costs</b>	<b>Savings</b>
Res Energy Audit	17	24,703	\$26,816	\$2,223
Res Weatherization	5	6,588	\$6,781	\$593
Air Cond Rebate	390	309,143	\$166,324	\$28,184
Eff Lighting Rebate	86	224,309	\$44,844	\$20,188
Prime Time Power	2,868	NA	\$26,500	NA
Advertising	NA	NA	\$26,687	NA
Education	NA	NA	\$24,530	NA
<b>Total 1<sup>st</sup> Yr Programs</b>	<b>3,366</b>	<b>564,743</b>	<b>\$322,482</b>	<b>\$51,188</b>

# 2<sup>nd</sup> Year Programs

# Smart Energy '08-'09

- Education
  - Power Watch
- Alternative/Renewable Energy
  - Green Choices
- Load Management
  - Prime Time Power
  - Power Factor Correction Rebate
- Demand Side Management
  - Residential Air Conditioner Rebate
  - Residential Energy Audit
  - Residential Low Income Weatherization
  - Residential Lighting Rebate
  - Residential New Construction Rebate
  - Efficient Appliance Rebate
  - Commercial Lighting Rebate
  - Commercial Audit

# Existing Program Changes

- Residential Energy Audit.
  - No changes.
- Commercial Lighting Audit.
  - Addition of a custom incentive.
    - Covers non-listed lighting systems.
    - Incentive equal to two years savings.
      - $(\text{kilowatts saved}) \times (\text{annual hours}) \times (\text{number of units}) \times (\text{current rate})$ .
      - Aimed at incenting expensive technologies that operate numerous annual hours.

# Existing Program Changes

- Residential Air Conditioner Rebate.
  - Doing away with sizing requirement.
    - 86% of dealers do their own.
    - Only one AC in 221 was marginally oversized.
  - Removing rebate cap of \$400.
- Low Income Weatherization.
  - Will no longer have this program.
    - Few done in Ames.
    - Voluntary labor difficult to coordinate.
    - Better use of our money will be to donate each year to VCSC in support of their program.

# New Program Highlights

- **Commercial Audit.**
  - Already exists. Moving under Smart Energy umbrella.
  - Performed by an outside engineering firm.
  - Tax exemption audits, lighting audits, energy audits, EnergyStar® evaluation audits.
- **Residential Lighting Rebate.**
  - Rebates the same as the commercial program.
  - Special incentives (i.e., coupon redemption for free CFL's).
- **Residential New Construction Rebate.**
  - EnergyStar® rated.
    - Will require HERS audit score of 85 or less.
  - Rebates will be additive (i.e., + appliances, + AC, + lighting).
- **Appliance Rebate.**
  - EnergyStar® refrigerators, freezers, washing machines, dishwashers, and Marathon water heaters.
- **Power Factor Correction Rebate.**
  - PF corrected to 90% or above.



# Second Year Program Budget Estimate Totals

Program	Participants	Dollars
Residential Air Conditioner Rebate	250	\$82,625
Residential Low Income Weatherization	30	\$3,000
Residential Energy Audit	70	\$16,865
Commercial Lighting Rebate	30	\$119,000
Commercial Audit	30	\$23,000
Residential Lighting Rebate	5,000	\$60,300
Residential New Construction Rebate	160	\$80,000
Efficient Appliance Rebate	170	\$18,000
Power Factor Correction Rebate	10	\$75,000
Prime Time Power	N/A	\$60,000
Power Watch	N/A	\$2,000
Green Choices	N/A	\$1,200
Advertising/Development/Verification/Processing/Data/Other	<u>N/A</u>	<u>\$59,185</u>
<b>Totals:</b>	5,750	<b>\$600,175</b>

# Estimated Smart Energy Program Savings and Avoided Costs

As of May 22, 2008

	<b>kWh Saved</b>	<b>KW Saved</b>	<b>Program Cost</b>	<b>Avoided Cost</b>
Year 1	518,789	3,353	\$382,386	\$3,398,389
Year 2	1,279,946	1,413	\$600,000	\$1,501,469
<b>Total</b>	<b>1,798,735</b>	<b>4,766</b>	<b>\$982,386</b>	<b>\$4,899,858</b>

\* Includes Prime Time Power

# Remaining

- Internal meetings complete.
- Recommendations made to EUROAB and approved.
- With Council approval:
  - Finalize printed materials and print.
  - Finalize data tracking mechanisms.
  - Finalize marketing plan and institute.
  - Finalize advertising and place.
  - Communicate to stake holders.
  - Launch July 1, 2008.
    - Request ability to go back to January 1, 2008.

Questions?