

# **UniSource Electric Commercial Energy Solutions**

➤ **Energy Efficiency Program**

# What is Energy Efficiency?

***Energy Efficiency*** means using less energy to achieve the same results you have now.

- > Same or better brightness and color from your lights
- > Same or better cool air from your air conditioning
- > Same or better process control from your motors

# Why Energy Efficiency?

- > Most cost-effective energy “resource”
- > Proven and Viable
- > Has multiple returns
  - **Projects usually pay back in 2-5 years**
  - **Reduction in CO<sub>2</sub> emissions, water consumption due to UNSE generating less power**
  - **Extends time of building new generation plants**
- > Effective method to manage energy cost risk
- > UniSource Rebates

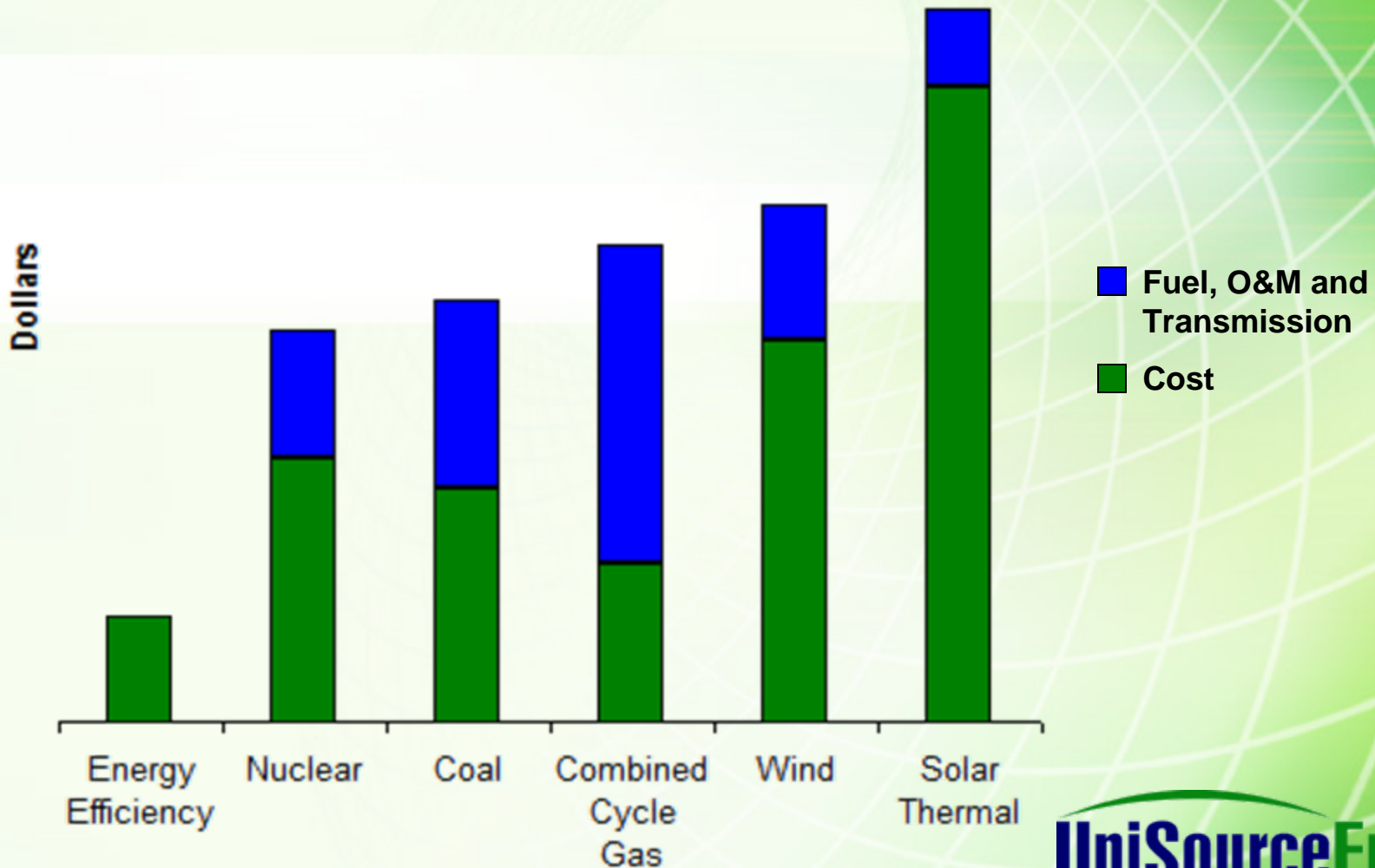
# Did You Know?

> Replacing 4 incandescent Exit Signs with new LED Exit Signs would save, in one year:

- **1,314 kilowatt-hours**
- **5.4 Pounds of Sulphur Dioxide (SO<sub>2</sub>)**
- **554 Gallons of Water**
- **1051 Pounds of Coal**
- **2,267 Pounds of Carbon Dioxide (CO<sub>2</sub>)**  
(Which would occupy the volume of  
75,590 basketballs!)

\*All values are approximations

# Relative Utility Costs per kWh



# UNSE's Rebate Program Fits Your Business Needs

## > **Electric Program** (January 2009)

- **Contractors install energy efficient equipment and reduce customer costs by rebates received directly from UNSE.**

\* Must be a UNSE Non-Residential Customer to qualify

# What's Included?



**Lighting**

**HVAC**

**Refrigeration**

**Custom Projects**

**Existing & New Buildings**

**More information at [uesaz.com/green](http://uesaz.com/green)**

# Electric Program

- > Available to UNSE Customers on Large General Service (LGS) rate
- > Rebates can cover up to 85% of measure costs with a yearly rebate cap of \$10,000
- > Approved contractors will provide proposals and installation
- > Rebates will go directly to contractors, reducing customer payment

# Program Measures

## > Lighting Rebates

- **T-12 to T-8/T5 Retrofits**
- **Delamping of one to multiple lamps**
- **Occupancy sensors**
- **Replacing existing EXIT signs with LED EXIT signs**



## > HVAC Rebates

- **Replacing A/C or Heat Pumps with more efficient**
- **Installing programmable thermostats**



## > High Intensity Discharge

- **Replacing existing HID lamps with T5 & T8 High Output lamps**



# Program Measures (Cont'd)

## > Refrigeration

- **Installing strip curtains on walk-ins**
- **Anti-Sweat Heater Controls (ASH)**
- **Refrigerated case evaporator fan controls**
- **Refrigerated case evaporator motor retrofits**



## > Motors

- **Variable-Speed Drives (VSDs)**



# Electric Program (Cont'd)

## > Custom Measures

- **A measure that is not already listed in the prescriptive measures**
- **Not limited in type of measure**
- **Must pass an internal Total Resource Cost (TRC) test to be eligible for a rebate**

$$TRC = \frac{\textit{SocietalBenefit}}{\textit{SocietalCost}}$$

- **Rebates are based on the estimated kWh saved over one year, at \$0.10 per kWh**

# Rebate Guidelines

- > Equipment must meet program specifications to qualify
  - **Specifications are clearly listed in Program Applications**
- > Equipment must be purchased after the program's approval by the Arizona Corporation Commission
- > Each program has rebate caps for both individual measures and overall projects

# What is NOT Eligible for a Rebate?

- > Renewable Projects and Residential Customers have separate programs
- > Any customers NOT on LGS rate
- > Fuel-Switching
  - **Example: Replacing Electric Furnace with a Gas Furnace**
- > Equipment that does NOT meet program specifications
- > Applications without supporting documentation

# What Are the Steps to Getting Involved?

- > Contact a Program Approved Contractor
  - **Contractors are listed at: [uesaz.com/green](http://uesaz.com/green)**
- > Pre-Inspections performed by UNSE
- > Contractor will install measures
- > Post-Inspections performed
- > Contractor is paid the rebate directly
- > Customer is responsible for Co-Pay

# I Got My Money, Am I Done?

- > Measurement and Verification Inspections and Feedback
- > Must retain equipment for 5 years of operation, and grant UNSE permission to verify that equipment is in service
- > Start identifying your next Energy Efficient Project!!



# **Commercial Energy Solutions**

**UNSE Commercial Energy Solutions**

**Mail Stop DS502**

**PO Box 711**

**4350 E. Irvington Rd**

**Tucson, AZ 85702**

**[uesaz.com/green](http://uesaz.com/green)**

**[CommercialEnergySolutions@us.kema.com](mailto:CommercialEnergySolutions@us.kema.com)**

**Phone: 866-324-5506**

**FAX: 866-277-5604**