

TEP Commercial Energy Solutions

➤ Energy Efficiency Programs

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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

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Why Energy Efficiency?

- > Most cost-effective energy “resource”
- > Proven and Viable
- > Has multiple returns
 - **Projects usually pay back in 2-5 years**
 - **Reduction in green house gasses, water consumption due to TEP generating less power**
- > Effective method to manage energy cost risk
- > TEP Rebates

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Did You Know?

> Reducing your energy usage 1,000 kWh of energy in one year would save:

- **4.12 Pounds of Sulphur Dioxide (SO₂)**
- **28.5 Gallons of Gasoline**
- **284.5 Pounds of Coal**
- **422 Gallons of Water**
- **1,725 Pounds of Carbon Dioxide (CO₂)**
(Which would occupy the volume of
57,530 basketballs!)

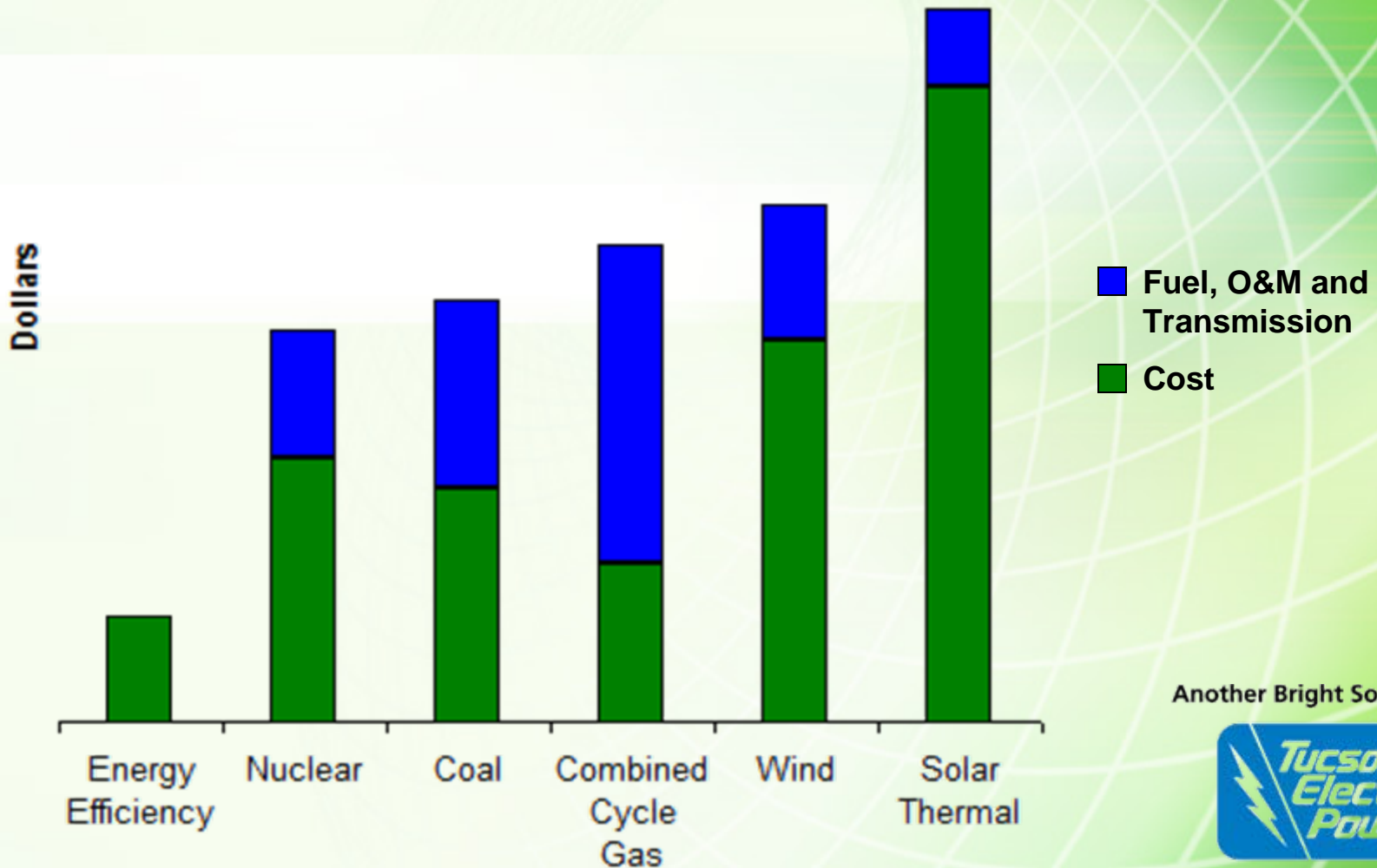
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Relative Utility Costs per kWh



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TEP's Rebate Programs are Tailored to Fit Your Business Needs

> Large Business Program

- **Equipment rebates for existing buildings on Rates 13, 14 and 40**

> Small Business Program

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

> New Construction Program

- **Includes rebates for Design Assistance in addition to Equipment Rebates.**

* Must be a TEP Non-Residential Customer to qualify

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What's Included?



Lighting

HVAC

Motors

Refrigeration

Custom Projects

Existing & New Buildings

More information at tep.com/green

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Large Business Program

> Lighting Rebates

- **T-12 to T-8 Retrofit**
- **Delamping of one to multiple lamps**
- **Replacing existing EXIT signs with LED EXIT signs**



> HVAC Rebates

- **Replacing A/C or Heat Pumps with more efficient units, either air- or water-cooled units**
- **Installing programmable thermostats**



> High Intensity Discharge

- **Replacing existing HID lamps >150 watts with T5 & T8 High Output lamps**



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Large Business Program (Cont'd.)

> Refrigeration

- **Installing strip curtains on walk-ins**
- **Reach-in cooler controls**
- **Anti-Sweat Heater Controls**
- **Installing high-efficiency ice makers, refrigerators, freezers, and evaporative motors**



> Motors

- **Installing high-efficiency motors**
- **Variable-Speed Drives (VSDs)**



> Rotary Screw Compressors

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Large Business 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**

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

- **Rebates are based on the estimated kWh saved over one year, at \$0.10 per kWh**
- ****ALL Commercial Customers can participate in the Custom Portion****

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Small Business Program

- > Available to TEP Customers on Rate 10
- > Rebates can cover up to 90% of measure costs
- > Approved contractors will provide proposals and installation
- > Rebates will go directly to contractors

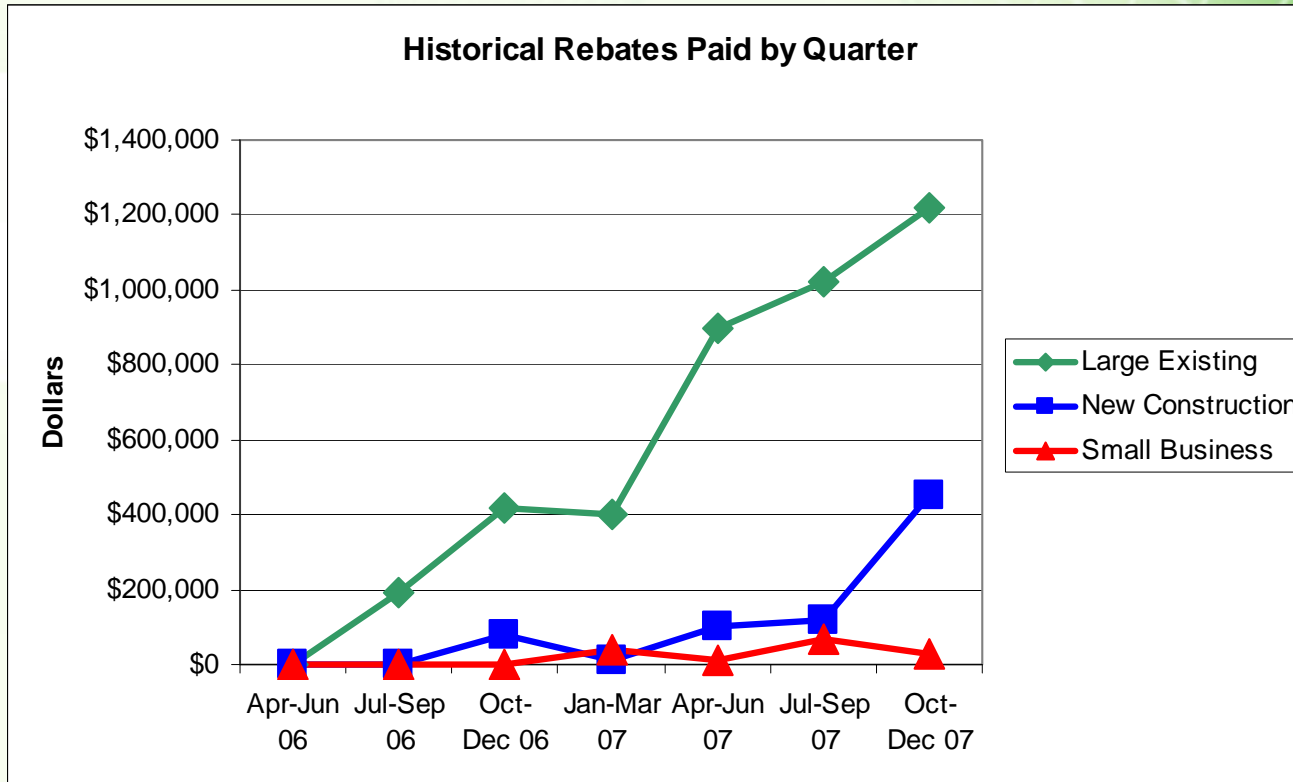
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Small Business vs. "One Size Fits All"



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Small Business Program (Cont'd)

> Lighting Rebates

- **T12 to T8/T5 retrofits**
- **Compact Fluorescent Light (CFL) retrofits**
- **Occupancy Sensors**
- **Installing Energy-Efficient Exit Signs**
- **Delamping**

> HVAC Rebates

- **Installation of high-efficiency A/C units or heat pumps**
- **Programmable Thermostats**

> Refrigeration Rebates

- **Anti-Sweat Heater Controls**
- **Evaporative Fan Controls**

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New Construction Program

> Energy-Efficient Design Assistance

- **New buildings and major renovations**
- **Rebate amount is \$0.05 per estimated kWh saved**
- **Rebates paid directly to designer upon completion of design and submission to TEP**
- **Eligible for up to \$10,000 of design assistance**

> Performance Rebates Based on kWh Saved

- **Rebates paid at 10¢ per annual kWh saved**
- **A customer can be rebated up to 50% of the incremental cost**

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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
 - **July 3rd for Large Business Program**
 - **August 6th for New Construction and Small Business Programs**
- > Each program has rebate caps for both individual measures and overall projects

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What is NOT Eligible for a Rebate?

- > Renewable Projects and Residential Customers have separate programs
- > Any customers NOT on Rates 10, 13, 14 or 40
- > Fuel-Switching
 - **Example: Replacing Electric Furnace with a Gas Furnace**
- > Equipment that does NOT meet program specifications
- > Applications without supporting documentation

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What Are the Steps to Getting Involved?

- > Visit tep.com/green for an application
 - **Pre-Application STRONGLY recommended**
 - **Pre-Application REQUIRED for Delamping Rebates**
- > Pre-Inspections
 - **Required for Delamping, may be performed for other measures**
- > Install Measures
- > Submit Final Application and all documentation
 - **Invoices with model numbers**
 - **Specification sheets that prove equipment meets program requirements**

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What Are the Steps to Getting Involved? (Cont'd.)

- > Post-Inspections may be performed
- > Rebate check processed 4-6 weeks after Final Application and all documentation is received

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Documentation Needed

- > Applications (Pre- and Post-)
- > Rebate Worksheets
- > Terms and Conditions
- > Agreement Forms
- > All Paid Invoices with Model Numbers
- > Manufacturer Specification Sheets with Qualifying Model Information



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I Got My Money, Am I Done?

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

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Commercial Energy Solutions

TEP Commercial Energy Solutions

Mail Stop DS502

PO Box 711

4350 E. Irvington Rd

Tucson, AZ 85702

tep.com/green

CommercialEnergySolutions@us.kema.com

Phone: 866-324-5506

FAX: 866-277-5604