

Electronic Handbook of Industrial Resources

ARIZONA



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November 2010

Introduction

This resource provides a comprehensive listing of incentives, tools, and resources for industrial manufacturing energy efficiency in the state of Arizona. It is organized according to industrial system, and features information on rebates, waived fees, tax credits, loans and other resources such as analysis tools, education and training programs, and energy assessments. It is based on data available in the *States Incentives and Resources Database*, maintained by the U.S. Department of Energy's (DOE) Industrial Technologies Program (ITP).

The *States Incentives and Resources Database* is a comprehensive searchable online database of approximately 3,100 energy efficiency incentives organized by state. The database is updated regularly and is accessible via the *Save Energy Now* State and Regional Partnerships' Web site:

http://www1.eere.energy.gov/industry/states/state_activities/incentive_search.aspx



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State Industrial Overview

Arizona was the 48th State, achieving statehood in 1912. It is the largest landlocked state in the U.S. by population and shares 389 miles of international border. In addition, more than a quarter of the state is Federal Trust Land which supports a variety of Native American tribes.

Arizona has a total of 6.6 million residents and ranks 19th in the nation in terms of GDP, which is \$248.9 billion. The state is home to five Fortune 500 companies. In 2008, Arizona ranked 35th in the nation's industrial energy consumption at 244.5 trillion Btu and 43rd in the nation's industrial natural gas consumption at 20.7 trillion Btu.¹

Arizona's leading industries include transportation equipment manufacturing, computer and electronic product manufacturing, and fabricated metal product manufacturing.²

Exhibit 1 below compares the industrial energy consumption in Arizona in relation to the national average. The chart in Exhibit 2 is a visual representation of the same data.

Exhibit 1: Total Industrial Energy Consumption Statistics in Arizona

Year	Arizona Energy Consumption (Trillion Btu)	National Average (Trillion Btu)
2000	233.3	680.2
2001	214.9	642.8
2002	208.5	642.0
2003	202.2	639.6
2004	231.3	658.7
2005	227.9	696.7
2006	234.0	636.6
2007	233.6	637.0
2008	244.5	614.8

Source: http://www.eia.gov/emeu/states/hf.jsp?incfile=sep_use/ind/use_ind_az.html&mstate=ARIZONA

Arizona at a Glance

State Information

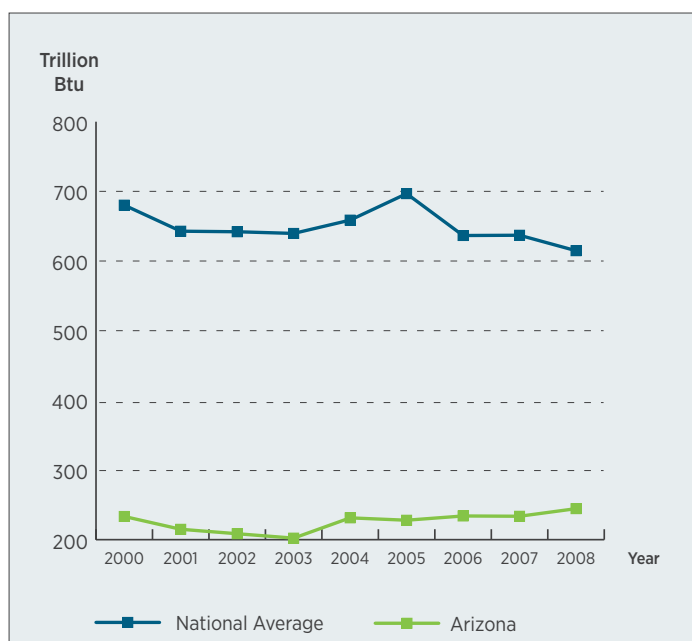
2009 Population (Million)	6.6
2008 GDP (Billion)	248.9
Rank by GDP	19

Energy Statistics

Total Energy Consumption 2008 (Trillion Btu)	1553
Total Industrial Energy Consumption 2008 (Trillion Btu)	244.5
Total Industrial Energy Consumption Rank	35
Total Industrial Electricity Use 2008 (Trillion Btu)	43.9
Total Industrial Electricity Use Rank	30
Total Industrial Natural Gas Use 2008 (Trillion Btu)	20.7
Total Industrial Natural Gas Use Rank	43

Source: http://www.eia.gov/state/state_energy_profiles.cfm?sid=AZ

Exhibit 2: Total Industrial Energy Use



Federal and National Industrial Energy Efficiency Programs

In addition to the state level programs outlined in more detail in section III there are many government and non-government organizations that have resources to assist industry in the western region to utilize energy more effectively. Financial and technical resources are available from federal agencies, national laboratories, utilities, utility associations, industrial organizations, energy efficiency organizations, state energy offices, energy services companies, non-profits or non-governmental organizations, foundations, and private companies.

ITP is one such program that provides industrial manufacturers across the country with a variety of energy efficiency tools, resources, and incentives. ITP is a prime example of DOE's commitment to improving the energy efficiency of industrial operations in the United States. ITP is a multi-faceted outreach and deployment initiative designed specifically for industrial manufacturers. ITP supports research and development of energy efficient technologies, provides industry with energy management and assessment tools, resources, and information. It also provides no-cost energy assessments to industrial plants of all size.

Several other federal agencies offer energy efficiency incentives in addition to the multitude of DOE resources. Internal Revenue Service, for instance, provides tax incentives to industrial manufacturers that implement energy efficiency projects. In addition, the U.S. Environmental Protection Agency provides loans on new energy efficient construction and incentives on the implementation of combined heat and power systems. Finally, the U.S. Department of Agriculture is another federal agency that provides incentives to rural and small industrial operations seeking to become more energy efficient.

State Incentives by Industrial System

Building Systems

Arizona Commercial High-Efficiency Equipment Rebate Program

Southwest Gas commercial customers in Arizona may be eligible to receive rebates on the purchase and installation of new high-efficiency natural gas storage and tankless water heaters, griddles, steamers, fryers, and combination ovens.

For More Information:
http://www.swgas.com/efficiency/az/commercial_equipment.php

Sponsor: Southwest Gas Corp. Arizona Div.

Sponsor Type: Utility

Arizona Large Commercial Energy Efficient Boiler Program

Rebates are available for the maintenance service and equipment for existing boilers, and for the

purchase and installation of new, non-condensing boilers completed August 15, 2010 through November 30, 2011, or until program funds are no longer available, whichever comes first.

For More Information:
<http://www.swgas.com/efficiency/az/boiler.php>

Sponsor: Southwest Gas Corp. Arizona Div.

Sponsor Type: Utility

Commercial Energy Solutions

Tucson Electric Power (TCE) offers rebates to large and small businesses to install energy efficient equipment. Rebates are good for new and existing construction.

For More Information:
<http://www.tepcommercialenergysolutions.com/ProjectCenter/>

Sponsor: Tucson Electric Power
Sponsor Type: Utility

Electric Water Heater Rebate

The utility offers a \$100 rebate for electric water heaters with a .90+ efficiency rating.

For More Information:
<http://www.ssvvec.org/programs/rebate.php>

Sponsor: Sulphur Springs Valley Electric Cooperative
Sponsor Type: Utility

Energy Savings Performance Contracting

The Energy Office provides technical programmatic assistance to facilitate energy efficiency programs for commercial customers. The customer and utility will form an agreement to lay out the costs for implementing energy efficiency improvements at the business. The utility pays the up-front equipment costs and the customer repays the utility from energy savings over the life of the contract.

For More Information:

<http://www.azcommerce.com/Energy/ESPC.htm>

Sponsor: Arizona Department of Commerce

Sponsor Type: State

Express Solutions

Arizona Public Service offers Direct Install, which is specifically tailored to help small businesses and schools improve energy efficiency. Direct Install offers rebates that cover up to 90% of the cost of specific lighting, HVAC, and refrigeration projects.

For More Information:

<http://www.aps-solutionsforbusiness.com/ProjectCenter/Default.aspx?tabid=2122>

Sponsor: Arizona Public Service

Sponsor Type: Utility

Incentives for Nonresidential Solar Water Heating Systems

APS offers incentives for nonresidential solar water heating systems. These incentives can be paid as a production based incentive that is based on the actual production of a system or as an up-front incentive.

For More Information:

http://www.aps.com/main/green/choice/choice_33.html

Sponsor: Arizona Public Service

Sponsor Type: Utility

Incentives for Solar Industrial Process Heating and Cooling

APS offers incentives for solar industrial process heating and cooling systems. These incentives are paid as a production-based incentive, meaning periodic payments will be made based on the actual production of the system.

For More Information:

http://www.aps.com/main/green/choice/choice_36.html

Sponsor: Arizona Public Service

Sponsor Type: Utility

Incentives for Solar Space Cooling

APS offers incentives for solar space cooling. These incentives are paid as a production based incentive meaning periodic payments will be made based on the actual production of the system.

For More Information:

http://www.aps.com/main/green/choice/choice_37.html

Sponsor: Arizona Public Service

Sponsor Type: Utility

Incentives for Solar Space Heating

APS provides incentives for non-residential customers installing solar process space heating systems. Once your project is approved, incentive funds are reserved for the duration of your production contract with APS (either 10, 15 or 20 years).

For More Information:

http://www.aps.com/main/green/choice/choice_38.html

Sponsor: Arizona Public Service

Sponsor Type: Utility

Solar Hot Water/Space Heating Systems

UniSource Energy Services (UES) is offering rebate incentive payments for commercial solar hot water and space heating systems to encourage the installation of solar power.

For More Information:

<http://uesaz.com/Green/Business/Solar/spaceheating.asp>

Sponsor: UniSource Energy Services

Sponsor Type: Utility

HVAC**Commercial Energy Solutions**

TEP offers rebates to large and small businesses to install energy efficient equipment. Rebates are good for new and existing construction.

For More Information:

<http://www.tepcommercialenergysolutions.com/ProjectCenter/>

Sponsor: Tucson Electric Power

Sponsor Type: Utility

Commercial Energy Solutions - Electric

The utility is offering rebates to commercial customers for energy efficient upgrades on lighting, refrigeration, controls, and HVAC.

For More Information:

<http://websafe.kemainc.com/ProjectCenter/Default.aspx?alias=websafe.kemainc.com/ProjectCenter/unse>

Sponsor: UniSource Energy Services

Sponsor Type: Utility

Commercial Energy Solutions - Natural Gas

The utility offers rebates on the purchase of new products that require less natural gas to operate. Equipment includes water heaters, furnaces, boilers, and commercial kitchen griddles.

For More Information:

<http://websafe.kemainc.com/ProjectCenter/Default.aspx?alias=websafe.kemainc.com/ProjectCenter/unisource>

Sponsor: UniSource Energy Services

Sponsor Type: Utility

Energy Management Assistance

Sulphur Springs Valley Electric Cooperative (SSVEC) provides members with no-cost, technical assistance related to energy use, energy efficient HVAC, appliances, and more. Energy audits for commercial and industrial customers are also available.

For More Information:
<http://www.ssvec.org/programs/energyAssist.php>

Sponsor: Sulphur Springs Valley Electric Cooperative
Sponsor Type: Utility

Express Solutions

APS offers Direct Install, which is specifically tailored to help small businesses and schools improve energy efficiency. Direct Install offers rebates that cover up to 90% of the cost of specific lighting, HVAC, and refrigeration projects.

For More Information:
<http://www.aps-solutionsforbusiness.com/ProjectCenter/Default.aspx?tabid=2122>

Sponsor: Arizona Public Service
Sponsor Type: Utility

Heat Pump Rebate

SSVEC is currently offering a \$500 rebate to members for the installation of a 14 SEER or higher Electric Heat Pump. There is also a \$200 rebate for a Dual Fuel Installation (dual-fuel means an electric heat pump with gas furnace for back-up heating).

For More Information:
<http://www.ssvec.org/programs/rebate.php>

Sponsor: Sulphur Springs Valley Electric Cooperative
Sponsor Type: Utility

Heat Pump Rebate Program

The cooperative provides a rebate from \$150 to \$250 for the purchase of a new heat pump, depending on the efficiency rating. The cooperative also issues rebates of \$200 for customers that convert from propane or natural gas furnaces to a heat pump.

For More Information:
http://www.mohaveelectric.com/energy_heatpump.html

Sponsor: Mohave Electric Cooperative
Sponsor Type: Utility

HVAC Rebate

The utility offers medium and large business customers an HVAC rebate from \$50 to \$100 per ton, depending on the energy efficiency of the installed unit. The standard rebate program cap is up to \$200,000 per program year.

For More Information:
<http://www.srpnet.com/energy/powerwise/business/standardrebate.aspx>

Sponsor: Salt River Project
Sponsor Type: Utility

Member Loan Program

The cooperative offers a variety of low-interest loan opportunities to commercial and residential customers for Photovoltaic and Wind Generator Installations, and energy efficient heat pumps.

For More Information:
<http://www.ssvec.org/programs/loan.php>

Sponsor: Sulphur Springs Valley Electric Cooperative
Sponsor Type: Utility

Retrocommissioning Solutions rebate program

The Retrocommissioning Solutions rebate program is designed to help customers identify low-cost opportunities to improve the efficiency of existing major mechanical and

electrical systems, while reducing energy costs without adversely affecting the facility or system operations

For More Information:
<http://www.srpnet.com/energy/powerwise/business/retrocommissioningrebate.aspx>

Sponsor: Salt River Project
Sponsor Type: Utility

Solar Hot Water/Space Heating Systems

TEP is offering rebate incentive payments for commercial solar hot water and space heating systems to encourage the installation of solar power.

For More Information:
<http://www.tep.com/Green/Business/Solar/spaceheating.asp>

Sponsor: Tucson Electric Power
Sponsor Type: Utility

Industrial Systems / Process Specific

Combined Heat and Power Program

Funding for combined heat and power (CHP) systems is available according to the efficiency of the installed system. CHP technologies must achieve a total fuel efficiency of 60-70% or higher. This efficiency must be demonstrated during standard operations that will vary according to the type of facility the CHP is utilized in. Rebate levels range from \$400 to \$500 per kW, up to a maximum of 50% of the installed cost of any project.

For More Information:
<http://www.swgas.com/efficiency/az/combined.php>

Sponsor: Southwest Gas Corp. Arizona Div.
Sponsor Type: Utility

Commercial Energy Solutions

TEP offers rebates to large and small businesses to install energy efficient equipment. Rebates are good for new and existing construction.

For More Information: <http://www.tepcommercialenergysolutions.com/ProjectCenter/>

Sponsor: Tucson Electric Power
Sponsor Type: Utility

Commercial Energy Solutions - Electric

The utility is offering rebates to commercial customers for energy efficient upgrades on lighting, refrigeration, controls, and HVAC.

For More Information: <http://websafe.kemainc.com/ProjectCenter/Default.aspx?alias=websafe.kemainc.com/ProjectCenter/unse>

Sponsor: UniSource Energy Services
Sponsor Type: Utility

Commercial Energy Solutions - Natural Gas

The utility offers rebates on the purchase of new products that require less natural gas to operate. Equipment includes water heaters, furnaces, boilers, and commercial kitchen griddles.

For More Information: <http://websafe.kemainc.com/ProjectCenter/Default.aspx?alias=websafe.kemainc.com/ProjectCenter/unisource>

Sponsor: UniSource Energy Services
Sponsor Type: Utility

Compressed Air and Refrigeration Rebate

The utility offers commercial customers a rebate for energy efficient compressed air and refrigeration equipment. The standard rebate program cap is up to \$200,000 per program year.

For More Information: <http://www.srpnet.com/energy/powerwise/business/standardrebate.aspx>

Sponsor: Salt River Project
Sponsor Type: Utility

Energy Management Assistance

SSVEC provides members with no-cost, technical assistance related to energy use, energy efficient HVAC, appliances, and more. Energy audits for commercial and industrial customers are also available.

For More Information: <http://www.ssvvec.org/programs/energyAssist.php>

Sponsor: Sulphur Springs Valley Electric Cooperative
Sponsor Type: Utility

Energy Savings Performance Contracting

The Energy Office provides technical programmatic assistance to facilitate energy efficiency programs for commercial customers. The customer and utility will form an agreement to lay out the costs for implementing energy efficiency improvements at the business. The utility pays the up-front equipment costs and the customer repays the utility from energy savings over the life of the contract.

For More Information: <http://www.azcommerce.com/Energy/ESPC.htm>

Sponsor: Arizona Department of Commerce
Sponsor Type: State

Motors Rebate

The utility offers commercial customers a lighting rebate from \$30 to \$90, depending on the size of the premium efficiency motor. The standard rebate program cap is up to \$200,000 per program year.

For More Information: <http://www.srpnet.com/energy/powerwise/business/standardrebate.aspx>

Sponsor: Salt River Project
Sponsor Type: Utility

Retrocommissioning Solutions rebate program

The Retrocommissioning Solutions rebate program is designed to help customers identify low-cost opportunities to improve the efficiency of existing major mechanical and electrical systems, while reducing energy costs without adversely affecting the facility or system operations.

For More Information: <http://www.srpnet.com/energy/powerwise/business/retrocommissioningrebate.aspx>

Sponsor: Salt River Project
Sponsor Type: Utility

Variable Frequency Drives (VFDs) Rebate

The utility offers commercial customers a rebate of \$55 per hp on controlled on HVAC fan and motor pumps. The standard rebate program cap is up to \$200,000 per program year.

For More Information: <http://www.srpnet.com/energy/powerwise/business/standardrebate.aspx>

Sponsor: Salt River Project
Sponsor Type: Utility

Energy Efficiency Projects

The utility's sister company, Constellation Energy Projects & Services Group, helps commercial customers develop solutions to achieve energy goals.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.1b1af2559c566632782c7883da6176a0>

Sponsor: Constellation NewEnergy
Sponsor Type: Utility

Energy Sources

Combined Heat and Power Program

Funding for combined heat and power (CHP) systems is available according to the efficiency of the installed system. CHP technologies must achieve a total fuel efficiency of 60-70% or higher. This efficiency must be demonstrated during standard operations that will vary according to the type of facility the CHP is utilized in. Rebate levels range from \$400 to \$500 per kW, up to a maximum of 50% of the installed cost of any project.

For More Information:

<http://www.swgas.com/efficiency/az/combined.php>

Sponsor: Southwest Gas Corp. Arizona Div.
Sponsor Type: Utility

Commercial Solar Daylighting

TEP is offering nonresidential customers rebate incentive payments to encourage the installation of Solar Daylighting Systems.

For More Information:

<http://www.tep.com/Green/Business/daylighting.asp>

Sponsor: Tucson Electric Power
Sponsor Type: Utility

Commercial Solar Pool Heating

TEP is offering incentive payments for commercial solar pool heating systems to encourage the installation of solar power.

For More Information:

<http://www.tep.com/Green/Business/Solar/pools.asp>

Sponsor: Tucson Electric Power
Sponsor Type: Utility

Commercial/Industrial Solar Energy Tax Credit Program

The State of Arizona offers tax incentives to businesses that install solar energy devices within the state. The tax credit is equal to 10% of the solar energy device's installment cost with a maximum tax incentive of \$25,000 per building and \$50,000 total per business per tax year. Tax credits are issued on a first come, first served basis. The tax credit program expires on December 31, 2012.

For More Information:

<http://www.azcommerce.com/doclib/finance/solar%20program%20summary.pdf>

Sponsor: Arizona Department of Commerce
Sponsor Type: State

EarthWise Energy

Customers may purchase 100 kilowatt hour blocks of renewable energy for \$0.93 per month. Participants who purchase more than \$30 per month are eligible for a number of incentives, including recognition in several publications, awards, plaques, and eligibility for the Employee Notification Program.

For More Information:

<http://www.srpnet.com/environment/earthwise/business.aspx>

Sponsor: Salt River Project
Sponsor Type: Utility

Energy Calculators and More

The utility is offering a number of energy calculating tools to help customers understand, manage, and reduce their energy use.

For More Information:

<http://www.tep.com/Green/EnergyAdvisor/Calculators.asp>

Sponsor: Tucson Electric Power
Sponsor Type: Utility

Incentives for Nonresidential Photovoltaic Systems

APS incentives for nonresidential customers can be paid either as an up-front incentive or as a production based incentive that is determined by the actual production of the system.

For More Information:

http://www.aps.com/main/green/choice/choice_32.html

Sponsor: Arizona Public Service (APS)
Sponsor Type: Utility

Incentives for Solar Daylighting

APS offers an up-front rebate incentive to help cover part of the purchase and installation costs of selected solar daylighting devices.

For More Information:

http://www.aps.com/main/green/choice/choice_41.html

Sponsor: Arizona Public Service
Sponsor Type: Utility

Incentives for Solar Industrial Process Heating and Cooling

APS offers incentives for solar industrial process heating and cooling systems. These incentives are paid as a production-based incentive, meaning periodic payments will be made based on the actual production of the system.

For More Information:

http://www.aps.com/main/green/choice/choice_36.html

Sponsor: Arizona Public Service
Sponsor Type: Utility

Incentives for Solar Space Cooling

APS offers incentives for solar space cooling. These incentives are paid as a production based incentive, meaning periodic payments will be made based on the actual production of the system.

For More Information:
http://www.aps.com/main/green/choice/choice_37.html

Sponsor: Arizona Public Service
Sponsor Type: Utility

Incentives for Solar Space Heating

APS provides incentives for non-residential customers installing solar process space heating systems. Once your project is approved, incentive funds are reserved for the duration of your production contract with APS (either 10, 15 or 20 years).

For More Information:
http://www.aps.com/main/green/choice/choice_38.html

Sponsor: Arizona Public Service
Sponsor Type: Utility

Incentives for Wind Energy – Nonresidential

APS offers a wind energy production-based incentive that is based on the actual production of the system or as an up-front incentive.

For More Information:
http://www.aps.com/main/green/choice/choice_40.html

Sponsor: Arizona Public Service
Sponsor Type: Utility

Large Commercial Solar Photovoltaic Program

UES is offering rebate incentive payments for large commercial photovoltaic systems.

For More Information:
<http://uesaz.com/Green/Business/Solar/commelectric.asp>

Sponsor: UniSource Energy Services
Sponsor Type: Utility

Member Loan Program

The cooperative offers a variety of low-interest loan opportunities to commercial and residential customers for Photovoltaic and Wind Generator Installations, and energy efficient heat pumps.

For More Information:
<http://www.ssvvec.org/programs/loan.php>

Sponsor: Sulphur Springs Valley Electric Cooperative
Sponsor Type: Utility

Net Metering

Under new state rules, which apply to all investor-owned electric utilities and cooperative utilities, net metering will be available to customers who generate electricity using solar, wind, hydroelectric, geothermal, biomass, biogas, combined heat and power (CHP), or fuel cell technologies. Separate net metering programs previously developed by two utilities- Arizona Public Service and Tucson Electric Power- will remain in effect until the new tariffs are approved, pending approval from the Arizona Corporation Commission.

For More Information:
<http://images.edocket.azcc.gov/docketpdf/0000089952.pdf>

Sponsor: Arizona Corporation Commission
Sponsor Type: State

Renewable Energy Tax Incentive Program

The program provides tax incentives to renewable energy companies and industries that are expanding or locating in Arizona. The program offers up to a 10% refundable income tax credit and up to a 75% reduction on real and personal property taxes.

For More Information:
http://www.azcommerce.com/BusAsst/Incentives/renewable_benefit.htm

Sponsor: Arizona Department of Commerce
Sponsor Type: State

Renewable Energy Technologies

UES is providing electric customers financial incentives for a number of renewable energy technologies, including biomass/biogas, geothermal, hydro, solar space heating, and wind.

For More Information:
<http://uesaz.com/Green/Business/OtherTechnologies.asp>

Sponsor: UniSource Energy Services
Sponsor Type: Utility

Sales Tax Exemption for Solar Equipment

The State of Arizona offers a state sales tax exemption for the sale of solar energy devices. The person who buys a solar energy device is eligible for the tax exemption.

For More Information:
<http://www.azsolarcenter.org/economics/tax-breaks/state-tax-statutes/solar-devices-tax-exemption.html>

Sponsor: Arizona Department of Commerce
Sponsor Type: State

Small and Large Commercial Solar Electric System

TEP is offering rebate incentive payments for small and large commercial photo-voltaic systems to encourage the installation of solar power.

For More Information:

<http://www.tep.com/Green/Business/Commercial.asp>

Sponsor: Tucson Electric Power

Sponsor Type: Utility

Small Commercial Solar Photovoltaic Program

UES is offering rebate incentive payments for small commercial photovoltaic systems.

For More Information:

<http://uesaz.com/Green/Business/Solar/smcommelectric.asp>

Sponsor: UniSource Energy Services

Sponsor Type: Utility

Solar Daylighting

UES is offering nonresidential customers rebate incentive payments to encourage the installation of Solar Daylighting Systems.

For More Information:

<http://uesaz.com/Green/Business/daylighting.asp>

Sponsor: UniSource Energy Services

Sponsor Type: Utility

Solar Hot Water/Space Heating Systems

TEP is offering rebate incentive payments for commercial solar hot water and space heating systems to encourage the installation of solar power.

For More Information:

<http://www.tep.com/Green/Business/Solar/spaceheating.asp>

Sponsor: Tucson Electric Power

Sponsor Type: Utility

Solar Hot Water/Space Heating Systems

UES is offering rebate incentive payments for commercial solar hot water and space heating systems to encourage the installation of solar power.

For More Information:

<http://uesaz.com/Green/Business/Solar/spaceheating.asp>

Sponsor: UniSource Energy Services

Sponsor Type: Utility

Solar Pool Heating Systems

UES is offering incentive payments for commercial solar pool heating systems to encourage the installation of solar power.

For More Information:

<http://uesaz.com/Green/Business/Solar/pools.asp>

Sponsor: UniSource Energy Services

Sponsor Type: Utility

Solar Property Tax Exemption

In the State of Arizona, when a solar energy system is installed on a residential, commercial, or industrial building, it cannot be considered as adding "value" to a building and cannot raise property value and taxes.

For More Information:

<http://www.azleg.gov/FormatDocument.asp?inDoc=/ars/42/11054.htm&Title=42&DocType=ARS>

Sponsor: Arizona Department of Revenue

Sponsor Type: State

Sun Watts Renewable Energy Program

The cooperative offers an incentive program to help residential and commercial members who install qualifying photovoltaic (solar) systems, wind generators, or solar water heating.

For More Information:

http://www.mohaveelectric.com/energy_sunwatts.html

Sponsor: Mohave Electric Cooperative

Sponsor Type: Utility

Sun Watts Renewable Energy Program

SSVEC offers \$4 per watt or up to 50% of the project cost for solar, wind, and biomass systems. SSVEC will offer rebates for both new systems, in addition to existing system expansions. Please note members must submit an incentive reservation form before they are eligible to receive an incentive.

For More Information:

<http://www.ssvac.org/programs/energySunWatts.php>

Sponsor: Sulphur Springs Valley Electric Cooperative

Sponsor Type: Utility

SunWatts Renewable Energy Incentive Program

The cooperative will pay up to \$3 per installed watt (up to 10KW or 40% of the cost of the unit) for customers who install solar electric and solar wind. The cooperative will also provide performance-based incentives for other types of renewable energy generation.

For More Information:

<http://www.trico.coop/index.php/renewable-energy>

Sponsor: Trico Electric Cooperative

Sponsor Type: Utility

Energy Efficiency Projects

The utility's sister company, Constellation Energy Projects & Services Group, helps commercial customers develop solutions to achieve energy goals.

For More Information: <http://www.newenergy.com/portal/site/menuitem.1b1af2559c566632782c7883da6176a0>

Sponsor: Constellation NewEnergy

Sponsor Type: Utility

Waived Fee for Solar Installation

In September 2005, the City of Tucson passed Resolution No. 20193 that would provide a permit fee rebate of up to \$1,000 to residents and business owners who install solar paneling on their homes or commercial office space. A qualifying system must displace at least 1,500 kW hours annually. The program was put in place in January 2006 and was scheduled for review on December 31, 2008.

For More Information:

<http://www.dsireusa.org/documents/Incentives/AZ26F.htm>

Sponsor: City of Tucson

Sponsor Type: Local

Lighting

Commercial Energy Solutions

TEP offers rebates to large and small businesses to install energy efficient equipment. Rebates are good for new and existing construction.

For More Information:

<http://www.tepcommercialenergysolutions.com/ProjectCenter/>

Sponsor: Tucson Electric Power

Sponsor Type: Utility

Commercial Energy Solutions - Electric

The utility is offering rebates to commercial customers for energy efficient upgrades on lighting, refrigeration, controls, and HVAC.

For More Information:

<http://websafe.kemainc.com/ProjectCenter/Default.aspx?alias=websafe.kemainc.com/ProjectCenter/unse>

Sponsor: UniSource Energy Services

Sponsor Type: Utility

Express Solutions

APS offers Direct Install, which is specifically tailored to help small businesses and schools improve energy efficiency. Direct Install offers rebates that cover up to 90% of the cost of specific lighting, HVAC, and refrigeration projects.

For More Information:

<http://www.aps-solutionsforbusiness.com/ProjectCenter/Default.aspx?tabid=2122>

Sponsor: Arizona Public Service

Sponsor Type: Utility

Incentives for Solar Daylighting

APS offers an up-front rebate incentive to help cover part of the purchase and installation costs of selected solar daylighting devices.

For More Information:

http://www.aps.com/main/green/choice/choice_41.html

Sponsor: Arizona Public Service

Sponsor Type: Utility

Lighting Rebate

Lighting rebate available to commercial customers of \$300 per kW of reduced installed demand and \$30 per qualifying occupancy sensor. The standard rebate program cap is up to \$200,000 per program year.

For More Information:

<http://www.srpnet.com/energy/powerwise/business/standardrebate.aspx>

Sponsor: Salt River Project

Sponsor Type: Utility

Prescriptive Incentives

APS Solutions for Business offers cash incentives, training, and energy information services to help non-residential customers to improve energy efficiency and reduce demand. Projects can include new construction and retrofit projects including, lighting rebates from \$5 to \$75 per unit;

refrigeration rebates from \$5 to \$200 per unit; motors and VSD rebates from \$1.50 to \$50 per horsepower; cooling rebates with a base incentive of up to \$50 per ton, plus an efficiency incentive up to \$300 per ton; rebates for feasibility studies, design assistance, commissioning and retro-commissioning services for new or existing facilities; and a rebate of 75% of the cost of installing a new meter and setup fees, up to a maximum of \$12,000 per year.

For More Information:

<http://www.aps-solutionsforbusiness.com/ProjectCenter/Default.aspx?tabid=1872>

Sponsor: Arizona Public Service (APS)

Sponsor Type: Utility

Retrocommissioning Solutions rebate program

The Retrocommissioning Solutions rebate program is designed to help customers identify low-cost opportunities to improve the efficiency of existing major mechanical and electrical systems, while reducing energy costs without adversely affecting the facility or system operations.

For More Information:

<http://www.srpnet.com/energy/powerwise/business/retrocommissioningrebate.aspx>

Sponsor: Salt River Project

Sponsor Type: Utility

Solar Daylighting

UES is offering nonresidential customers rebate incentive payments to encourage the installation of Solar Daylighting Systems.

For More Information:

<http://uesaz.com/Green/Business/daylighting.asp>

Sponsor: UniSource Energy Services

Sponsor Type: Utility

Load Management

Business Energy Analysis

TEP offers an online energy audit for its commercial customers. The online tool analyzes the customer's energy use and provides recommendations on ways the company can reduce its energy usage.

For More Information:
<http://www.tep.com/Business/EnergyEfficiency/EnergyAdvisor/EA.asp>

Sponsor: Tucson Electric Power
Sponsor Type: Utility

Business Energy Manager

Salt River Project (SRP) offers commercial customers a dedicated Business Energy Manager that helps manage your company's energy usage by developing a customized energy strategy.

For More Information:
<http://www.srpnet.com/electric/business/bam/>

Sponsor: Salt River Project
Sponsor Type: Utility

Commercial Energy Solutions - Natural Gas

The utility offers rebates on the purchase of new products that require less natural gas to operate. Equipment includes water heaters, furnaces, boilers, and commercial kitchen griddles.

For More Information: <http://websafe.kemainc.com/ProjectCenter/Default.aspx?alias=websafe.kemainc.com/ProjectCenter/unisource>

Sponsor: UniSource Energy Services
Sponsor Type: Utility

Energy Advisor

This online tool can help determine whether or not a business is energy efficient. It also makes recommendations on how to reduce energy consumption.

For More Information:
<http://www.uesaz.com/Business/EnergyEfficiency/EnergyAdvisor/EA.asp>

Sponsor: UniSource Energy Services
Sponsor Type: Utility

Energy Calculators and More

The utility is offering a number of energy calculating tools to help customers understand, manage, and reduce their energy use.

For More Information:
<http://www.tep.com/Green/EnergyAdvisor/Calculators.asp>

Sponsor: Tucson Electric Power
Sponsor Type: Utility

Energy Information Services (EIS)

EIS is a powerful energy management tool for medium-to-large customers. Meter upgrades create detailed, easy to read load profiles of actual energy consumption (in 15 minute intervals) that can be compared against a backdrop of relevant variables. The APS Solutions for Business program is offering an incentive of 75% of the cost of the installation of a new meter and setup fees, up to a maximum of \$12,000 per customer per year.

For More Information:
<http://profiles.automatedenergy.com/custom/aps/>

Sponsor: Arizona Public Service
Sponsor Type: Utility

Industrial Energy Assessments

The utility will perform an energy audit of industrial customers' facilities. This includes examining the entire facility to make sure that systems are working properly. The utility will also work with the plant to analyze previous utility bills and to come up with energy efficiency improvements.

For More Information:
<http://www.swgas.com/commind/indust/index.php>

Sponsor: Southwest Gas Corp. Arizona Div.
Sponsor Type: Utility

PowerWise Business Solutions

SRP offers PowerWise™ Business Solutions to help businesses better manage their energy use and increase their energy efficiency within businesses. SRP also provides information designed to help take advantage of the latest energy saving technologies. This includes rebates, an e-library, training, and more.

For More Information:
<http://www.srpnet.com/energy/powerwise/business/default.aspx>

Sponsor: Salt River Project
Sponsor Type: Utility

Prescriptive Incentives

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For More Information:
<http://www.aps-solutionsforbusiness.com/ProjectCenter/Default.aspx?tabid=1872>

Sponsor: Arizona Public Service
Sponsor Type: Utility

Constellation NewEnergy Online

This is an energy management tool that is available to all electricity customers free of charge. The tool allows customers to find opportunities to improve their company's energy efficiencies, track changes in their company's usage, and compare usage across multiple facilities.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.987b194dd5e782ce18a805e4da6176a0>

Sponsor: Constellation NewEnergy

Sponsor Type: Utility

Energy Efficiency Projects

The utility's sister company, Constellation Energy Projects & Services Group, helps commercial customers develop solutions to achieve energy goals.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.1b1af2559c566632782c7883da6176a0>

Sponsor: Constellation NewEnergy

Sponsor Type: Utility

Load Response for your Business

Commercial customers can receive financial rewards, either in the form of dollars or energy bill credits, for using less energy on days when regional power grids are under stress.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.c2d5c4a31e3b3661571c5010747176a0?title=lr>

Sponsor: Constellation NewEnergy

Sponsor Type: Utility

Industrial Systems General

Business Energy Advisor

The Business Energy Advisor is a clearinghouse for energy use information and energy saving ideas.

For More Information:

<https://touchstoneenergy.cooperative.com/public/programs/BusinessEnergyAdvisor.html>

Sponsor: Trico Electric Cooperative

Sponsor Type: Utility

Business Energy Analysis

TEP offers an online energy audit for its commercial customers. The online tool analyzes the customer's energy use and provides recommendations on ways the company can reduce its energy usage.

For More Information:

<http://www.tep.com/Business/EnergyEfficiency/EnergyAdvisor/EA.asp>

Sponsor: Tucson Electric Power

Sponsor Type: Utility

Business Energy Manager

SRP offers commercial customers a dedicated Business Energy Manager that helps manage your company's energy usage by developing a customized energy strategy.

For More Information:

<http://www.srpnet.com/electric/business/bam/>

Sponsor: Salt River Project

Sponsor Type: Utility

Energy Advisor

This online tool can help determine whether or not a business is energy efficient. It also makes recommendations on how to reduce energy consumption.

For More Information:

<http://www.uesaz.com/Business/EnergyEfficiency/EnergyAdvisor/EA.asp>

Sponsor: UniSource Energy Services

Sponsor Type: Utility

Energy Efficiency Rebate Program

Columbus Electric offers a variety of rebates for things like water heaters, motors, and more.

For More Information:

<http://www.columbusco-op.org/Rebates/overview.cfm>

Sponsor: Columbus Electric

Sponsor Type: Utility

Energy Efficiency Training Seminars

Training is offered for business owners, engineers, and managers who are interested in making their businesses more energy efficient. Topics include lighting, energy efficiency studies, and retro-commissioning.

For More Information:

<http://websafe.kemainc.com/ProjectCenter/Default.aspx?tabid=1868>

Sponsor: Arizona Public Service

Sponsor Type: Utility

Energy Smart Library

This online resource provides a library of information on energy efficiency for businesses.

For More Information:

<http://www.uesaz.com/Business/EnergyEfficiency/EnergyAdvisor/Library.asp>

Sponsor: UniSource Energy Services

Sponsor Type: Utility

Industrial Energy Assessments

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For More Information:

<http://www.swgas.com/comind/indust/index.php>

Sponsor: Southwest Gas Corp. Arizona Div.

Sponsor Type: Utility

Key Accounts Management Program

Each of Trico's large industrial and commercial accounts is assigned a Key Accounts Manager. This person acts as a personal liaison between the business and Trico, and works to help the business optimize its energy usage. This can involve on-site energy audits and providing suggestions for improving energy efficiency.

For More Information:

http://www.trico.coop/index.php?option=com_contact_enhanced&view=category&catid=92&Itemid=135

Sponsor: Trico Electric Cooperative

Sponsor Type: Utility

PowerWise Business Solutions

SRP offers PowerWise™ Business Solutions to help businesses better manage their energy use and increase their energy efficiency within businesses. SRP also provides information designed to help take advantage of the latest energy saving technologies. This includes rebates, an e-library, training, and more.

For More Information:

<http://www.srpnet.com/energy/powerwise/business/default.aspx>

Sponsor: Salt River Project

Sponsor Type: Utility

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Sponsor: Arizona Public Service

Sponsor Type: Utility

Constellation NewEnergy Online

This is an energy management tool that is available to all electricity customers free of charge. The tool allows customers to find opportunities to improve their company's energy efficiencies, track changes in their company's usage, and compare usage across multiple facilities.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.987b194dd5e782ce18a805e4da6176a0>

Sponsor: Constellation NewEnergy

Sponsor Type: Utility

Energy Efficiency Projects

Constellation Energy Projects Services provides solutions designed to achieve energy goals and promote a sustainable future by offering an extensive array of products and services.

For More Information:

<http://www.newenergy.com/portal/site/cne/menuitem.1b1af2559c566632782c7883da6176a0>

Sponsor: Constellation NewEnergy

Sponsor Type: Utility

Energy Efficiency Projects

The utility's sister company, Constellation Energy Projects & Services Group, helps commercial customers develop solutions to achieve energy goals.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.1b1af2559c566632782c7883da6176a0>

Sponsor: Constellation NewEnergy

Sponsor Type: Utility

End Notes

- ¹ U.S. Energy Information Administration, “State/Territory Energy Profiles,” Accessed October 4, 2010. http://www.eia.gov/state/state_energy_profiles.cfm?sid=AZ.
- ² U.S. Energy Information Administration, “State/Territory Energy Profiles,” Accessed October 4, 2010. http://www.eia.gov/state/state_energy_profiles.cfm?sid=AZ.

EERE Information Center

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www.eere.energy.gov/informationcenter

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Energy Efficiency &
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