

2011 Economic Summit



*Start saving money.
Ask about PSO's energy-saving programs.*



gridSMART[®]
From **AEP** **PUBLIC SERVICE**
COMPANY OF
OKLAHOMA[™]

Water Heating

- ✓ Use hot water wisely.
- ✓ Insulate hot water holding tanks and hot and cold water pipes.
- ✓ Set your water heater at the lowest required temperature.
- ✓ Use less. Install faucet aerators.
- ✓ Find and fix leaks.

Refrigeration

- ✓ Perform routine maintenance, such as vacuuming, to remove dust.
- ✓ Turn off the lights in walk-in refrigerators.
- ✓ Add strip curtains to refrigerated spaces without doors.
- ✓ Defrost regularly.
- ✓ Replace old refrigerators and freezers.

Equipment

- ✓ Turn off office equipment when not in use.
- ✓ Maintain your equipment to ensure efficient performance.
- ✓ Use energy efficient computers and office equipment.
- ✓ Buy Energy Star Qualified Products

Lighting

- ✓ Turn off lights when not in use.
- ✓ Remove or disconnect unnecessary light fixtures.
- ✓ Replace incandescent light bulbs with compact fluorescent light bulbs
- ✓ Replace or retrofit non-energy efficient light fixtures.
- ✓ Install "occupant sensors" to automatically turn lights off and on.
- ✓ Take advantage of "day lighting".
- ✓ Lower light levels where appropriate such as around computer monitors.
- ✓ Install LED (light-emitting diode) exit signs.
- ✓ Install timers or photocells on outside lights.

Heating and Cooling (HVAC) Systems

- ✓ Make sure your HVAC system is operating efficiently.
- ✓ Inspect and clean or replace air filters on a regular basis.
- ✓ Repair leaks in system components such as pipes, steam traps or couplings.
- ✓ Adjust the thermostat during unoccupied times or install a programmable thermostat.
- ✓ Reduce air conditioning hours.
- ✓ Use the Energy Star Building Checklist to cut down on winter heating costs and on summer cooling costs

Large Commercial & Industrial Smart Solutions

This program provides incentives to commercial and industrial customers with a peak demand $\geq 100\text{kW}$

- Incentives are paid for projects that provide at least 20 kW on peak demand savings
- Measures included for incentive payments are common efficiency improvements such as lighting and HVAC
- Program also provides assistance to customers in identifying those opportunities and claiming the incentives

PSO Customer Success Story

A regional convenience store chain was the first PSO commercial customer to receive an incentive payment for its efforts to improve efficiency and reduce its energy demand.

- Replaced *1,100* fan motors in refrigeration and freezer cases.
- The new motors are expected to provide *92.5 kW* and *80,000 kWh* in savings per year
- Annual energy savings estimated at of approximately *\$38,000*
- Received approx. *\$40,000* in incentives on a *\$130,000+* project!



Commercial Lighting and Controls Program

This program provides incentives to PSO commercial and industrial (C&I) customers who purchase and install:

- Energy efficient indoor and outdoor lighting
- Lighting controls
- Occupancy sensors
- LED exit lights

Incentives available for both retrofit and new construction applications.

PSO Customer Success Story

- Large manufacturing customer replaced 516 lighting fixtures
- Installed 560 high efficiency florescent fixtures
- Reduced peak demand by $\approx 70\text{kW}$ and energy by $\approx 700,000\text{ kwh}$
- Received \$30,000 in incentives on a \$150,000 project!



BEST Program

Business Energy Solutions Toolbox

Focuses on small and medium sized businesses and provides financial incentives for the installation of eligible energy efficient equipment in both a retrofit or new construction application.

- HVAC & Heat Pumps
- High-efficiency florescent lighting
- Hard wired or CFL's with locking mechanisms
- Lighting Controls

- Incentive Rates

- \$0.10/kWh of energy reduced

PSO Customer Success Story

Customer Retrofit

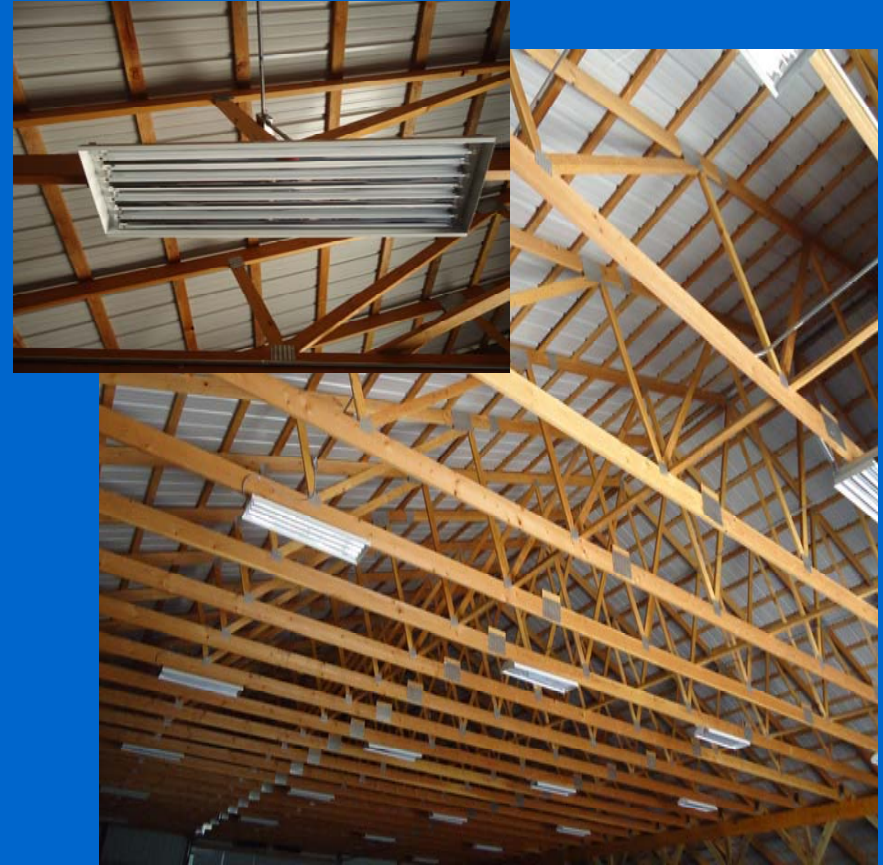
- Removed 38 400W MH high bay fixtures
- Installed 37 T-5 fluorescent fixtures
- Reduced energy by $\approx 14,000$ kWh annually
- Received $\approx \$1,300$ in incentives on a \$9,000 project

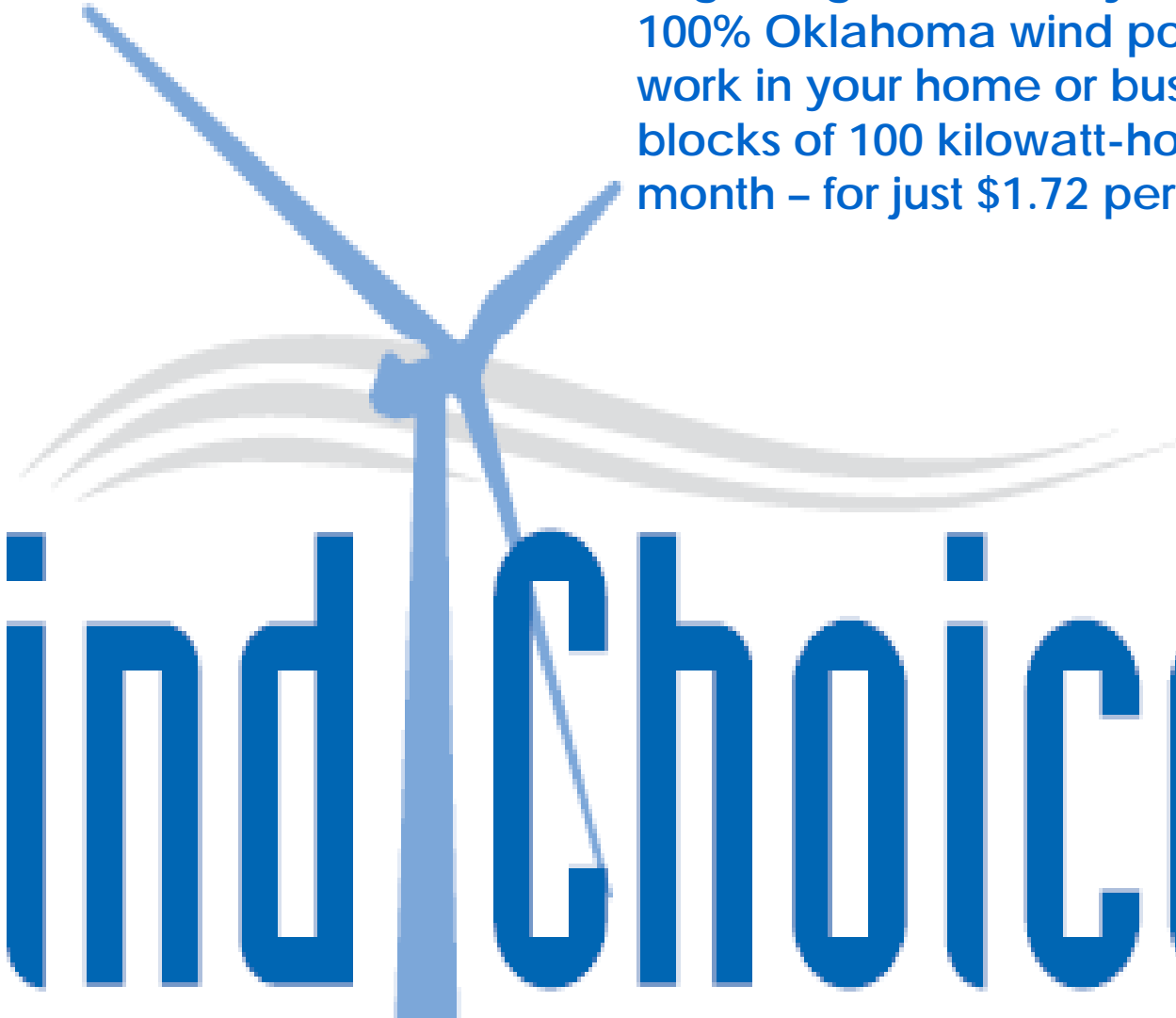


PSO Customer Success Story

Customer New Construction

- Installed 24 High Efficiency T-5 fluorescent fixtures
- Reduced energy by $\approx 38,000$ kWh annually
- Received $\approx \$2,253$ in incentives on a \$8,000 project





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PSO Energy Efficiency Programs

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