TIPS FOR SAVING ENERGY

GETTING STARTED WITH BUSINESS ENERGY SOLUTIONS

By reducing energy consumption, you can control operating costs and save money. Power your bottom line with these energy-saving tips and upgrades.

Lighting

- Install occupancy sensors in areas with occasional use to cut energy use by up to 25%. *Cash incentives apply.*
- Switch out 400W metal halide or high-pressure sodium lights with high-efficiency 4-lamp T5 fixtures to reduce energy costs by approximately 50%. *Cash incentives apply.*

Compressed Air

- Repair a ¼" hole in a compressed air line and you could save up to $10,000 each year.
- A 2-psi reduction in pressure can save up to 1% on energy costs.
- For load/unload control systems to run effectively, you need about 4-5 gallons of receiver capacity for each cfm of compressor capacity. *Cash incentives apply.*
- A variable frequency drive will save more energy over load/unload or modulation controls. *Cash incentives apply.*

Motors

- Decreasing the load on a motor can be a more effective way to gain energy savings instead of making changes to the motor itself.
- When a motor reaches the end of its useful life, you can purchase NEMA Premium® motors and receive a $10/hp incentive from Energy Trust.
- Rewind your motors for maximum efficiency. Contact a member of the Green Motors Practices Group, www.GreenMotors.org, for more information.
- Software like MotorMaster+ helps you select and manage energy-efficient motors.

Pumps

- Replace a throttle valve with a variable frequency drive to control flow. *Cash incentives apply.*

CASH INCENTIVES & TAX CREDITS

Some upgrades are eligible for cash incentives from Energy Trust of Oregon and state energy tax credits.

EnergyTrust of Oregon

Fans

- Use a variable frequency drive to regulate flow instead of inlet guide vanes and dampers to save on energy costs. *Cash incentives apply.*
- Reduce fan speed by 10% to save approximately 25% on energy costs.
- Airfoil fans are more efficient than radial-tip and material handling fans. *Cash incentives apply.*

Chilled Water

- Reduce the condenser water temperature by 1°F and increase energy efficiency by an estimated 2%.
- Chillers gain efficiency when the chilled water temperature is increased.
- Install a variable frequency drive on chillers, pumps and cooling tower fans to reduce energy consumption. *Cash incentives apply.*
- Install a new energy-efficient chiller and you can cut the energy consumption of the system by up to 50%. *Cash incentives apply.*

Refrigeration

- Increase compressor suction temperature by 1°F to save up to 2% on energy costs.
- Decrease the compressor entering condensing (head) temperature by 1°F to save up to 1.5% on energy costs.
- Occupancy sensors on lighting in refrigerated areas can save on lighting costs and can also reduce refrigeration costs by lowering heat gain from the lights. *Cash incentives apply.*

START SAVING TODAY

Talk with Energy Trust to take the next step to save money and improve the efficiency of your operations. Call 503.445.7643, e-mail production@energytrust.org or visit ***www.energytrust.org/pe***.

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