

TIPS FOR SAVING ENERGY

By reducing energy consumption, you can control operating costs and save money. Power your bottom line with these energy-saving tips and upgrades. Some upgrades are eligible for cash incentives from Energy Trust of Oregon.

Lighting

- Install occupancy sensors in areas with occasional use to cut energy use by up to 25 percent. **Cash incentives may apply.**
- Switch out 400W metal halide or high-pressure sodium lights with high efficiency 4-lamp T5 or T8 fixtures to reduce energy cost by approximately 50 percent. **Cash incentives may 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 percent on energy costs. **Cash incentives may apply.**
- 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 may apply.**
- A variable frequency drive will save more energy over load/unload or modulation controls. **Cash incentives may 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.
- 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.



Talk with Energy Trust to take the next step to save money and improve the efficiency of your operations. Call **503.445.2956**, email production@energytrust.org or visit www.energytrust.org/pe.



Pumps

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

Fans

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

Chilled Water

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

Refrigeration

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