

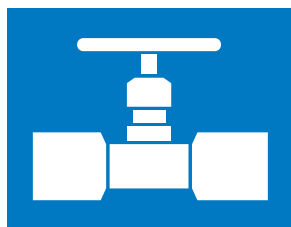
# Miserly cooling: Cut costs without sacrificing comfort

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AC doesn't just keep your employees cool, it can actually help them be more productive in the summer months. Those are two excellent reasons to conduct routine preventive maintenance on your air conditioning equipment. You'll prevent costly breakdowns, reduce system operating costs and help them last longer.

These maintenance tips and energy-saving measures will help you extend the life of your air conditioning equipment and lower monthly cooling bills.



## Refrigerant Circuit and Controls

- Inspect the sight glass moisture-liquid indicator to ensure that no moisture is in the system.
- Check for and repair refrigerant and oil leaks around equipment seals, pipe joints, valves and other instrumentation.
- Check the tension and alignment of all belts and adjust as needed.



## Compressor

- Check for unusual compressor operation, including continuous running or frequent stopping and starting.
- Monitor refrigerant charge.
- Check purge operation. It should operate less than 20 minutes in a 24-hour period.



## Air-Cooled Condenser

- Check the fan belt drive and motor to make sure they are properly aligned and lubricated.
- Ensure that refrigerant piping connections to the condenser coil are tight; check for leaks.
- Clean the face of the condenser coil.



## Air Handlers

- Verify proper economizer operation.
- Lubricate damper-actuator linkages and release stuck dampers.
- Adjust actuators to achieve full damper closure.

If your cooling system is older or frequently in need of repair, consider replacing it with a newer, more energy-efficient system that is sized to fit your needs.

**We can help you get your facility ready for summer.**

Call 1-800-787-1706, email [energysavings@nationalgrid.com](mailto:energysavings@nationalgrid.com) or visit [ngrid.com/business](http://ngrid.com/business).