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Integrated HVAC Facilities Management



# Five Quick Energy Tips

## **1** Replace old inefficient equipment with new higher efficiency equipment based upon electric costs

- Rising energy costs can make strategic replacement more efficient overall than repairs
- Consider high-efficiency strategies like multiple compressors and variable frequency drives along with ductwork and equipment sizing

## **2** Take advantage of rebate offers and cash back incentives

- Many local utilities offer rebates for installing high-efficiency equipment in new or existing stores
- The IRS allows tax deductions for high-efficiency HVAC and lighting upgrades, as well as for new commercial buildings that reduce energy use

## **3** Perform HVAC preventive maintenance and regularly inspect equipment to assure efficient operation

- Properly inspected and maintained equipment runs more efficiently than a neglected mechanical fleet
- Set up scheduled preventive maintenance visits to keep an eye on the likely energy robbers: restricted coils, dirty filters, worn belts and pulleys, poorly aligned mechanical components

## **4** Incorporate Energy Management Systems and building control strategies

- Turn back or power off HVAC equipment and lighting when not in use, either through remote Energy Management Systems programmable thermostats or simple time clocks
- The future of energy control is enterprise level EMS and remote diagnostics — your energy saving can accelerate and stay high by implementing EMS strategies before energy costs go sky-high
- EMS can help avoid unnecessary costly service calls and reduce demand costs with strategies like compressor staging operation, staggered equipment start-up, economizer control and start/stop scheduling
- The savings really add up when you place air conditioning to the highest comfortable setting and heating to the lowest comfortable setting

**5** **Develop a corporate energy strategy to reduce supply side purchasing costs, negotiate better rates and take advantage of demand side savings**

- System-wide HVAC costs — including energy costs — are a manageable cost center with significant savings potential for your operation
- Ensure your strategy achieves maximum total system efficiency — partner with a proven HVAC facilities management specialist with experience across all aspects of mechanical and strategic energy management

Call Engineering Excellence, Inc. for more information on these and other powerful energy-saving techniques.

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