AIR TEMP HEATING & AIR CONDITIONING, INC.
HOT TOPICS & COOL SOLUTIONS
IMPORTANT INFORMATION FROM YOUR LINC SERVICE® CONTRACTOR

July 2016

In This Issue

DID YOU KNOW?

According to Clean Energy Ministerial, improving the average efficiency of air conditioners sold in 2030 by 30% could reduce emissions by up to 25 billion metric tons of CO2 over the lifetime of the equipment and reduce peak electricity demand by as much as 340-790 gigawatts. This is equal to erasing the annual emissions from 1,550 coal-fired power plants.

MARKET TRENDS

New Worldwide Challenge to Promote 'Revolution in Cooling Technology'

Greetings!

Summer is now in full force. If your HVAC system is not well maintained and performing properly, it could be wasting energy and creating an uncomfortable indoor environment for employees. This is costing you money in higher utility bills and possibly even lowered employee productivity.

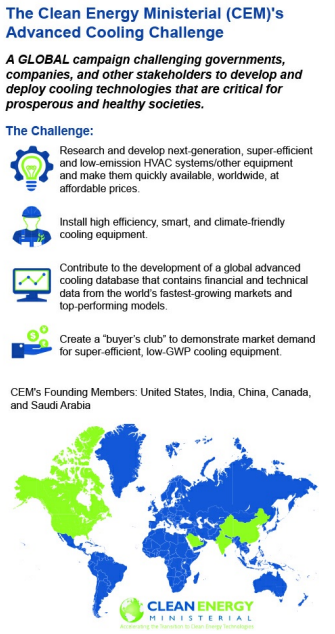
But **Air Temp Heating & Air Conditioning, Inc.** is here to help! Contact us today to learn how we can help your facility perform at peak efficiency and save you money on energy.

What Causes HVAC Systems to Fail?

With the summer reaching its peak, air conditioning systems are working hard to keep up with cooling demands. Below are five common sources of air conditioning failures. Is your system prepared to take the heat this summer?

- **Refrigerant Leaks** - leaks can result in air conditioning systems short cycling on and off, or even cause premature compressor failure
- **Inadequate Maintenance** - filters clog, belts fail and sheaves wear out, which can all result in lowered performance
- **Electrical Problems or Faulty Wiring -** wires become worn, may have loose connections, or other problems that can cause electric arcing or even become a fire hazard
- **Sensor Failure** - systems can operate abnormally if their sensors or thermostats fail to read properly
- **Fan Failure** - Whether it's failure of the indoor supply fan or the outdoor condenser fan, this problem prevents proper heat transfer, which results in mechanical cooling problems

Preventing and solving these issues before they become a serious problem for your facility is our specialty. Please contact **Air Temp Heating & Air Conditioning, Inc.** today to make sure your cooling systems will function at



View a larger version of this image, **here**.

This June, the Clean Energy Ministerial (CEM) launched the Advanced Cooling Challenge (AC Challenge) at CEM7 in San Francisco, California. The infographic above gives more details about this initiative, or click here to learn more about CEM.

QUESTION: What is a "building envelope," and how does it impact energy efficiency?

ANSWER: A building envelope, which includes the walls, roof and foundation of a building, is basically the barrier between the building's interior and the outdoor environment. An analysis by The U.S. Department of Energy's Building Technologies Office projects that if its overall goal for energy efficiency is

their best this summer!

North American Energy Collaboration Shows Progress

Earlier this year, representatives for the United States, Canada and Mexico signed a Memorandum of Understanding Concerning Climate Change and Energy Collaboration and created the Clean Energy Ministerial (CEM). During their inaugural Mission Innovation Ministerial in San Francisco last month, they reviewed the progress of their combined efforts, 100 days from signing the Memorandum. The U.S. Department of Energy has already announced $16 Million for 54 projects to help commercialize promising energy technologies. Together, they hope to foster sustainable energy development, address climate change, and encourage economic growth by:

- Accelerating investments in clean energy research and development by announcing their plans for doubling these investments over the next five years, as part of the Mission Innovation initiative.
- Identifying shared North American priorities for collaboration on clean energy innovation technologies.
- Advancing North American economic competitiveness by recruiting companies to implement the ISO 50001 standard to improve energy efficiency in industry.
- Launching the North American Renewable Integration Study to better understand the planning and operational impacts of integrating growing renewable energy sources, such as solar, hydro and wind, into electricity grids.
- Further advancing clean energy, energy innovation, and the shift towards a low-carbon economy by continuing support for the CEM Clean Energy Solutions Center (including RETScreen services, a multi-language software used globally to evaluate energy costs, savings, and emissions), and the CEM7 Technology Showcase.

Find out more about the collaboration here.

met in 2030, buildings will consume over 20% less energy from HVAC and refrigeration due to improvements in the opaque portions of the building envelope.

Air Temp Heating & Air Conditioning, Inc.
1165 Front Street
Binghamton, NY 13905
Phone: 607-772-8362

6820 Ellicott Drive
East Syracuse, NY 13057
Phone: 315-432-8591

8181 Seneca Turnpike
Clinton, NY 13323
Phone: 315-735-7539
www.airtemphvac.com

AIR TEMP
HEATING & AIR CONDITIONING, INC.

GREEN INITIATIVES | ENERGY SMART | COMFORT ZONES