

# North America HVAC News July 2008



International Market Strategy

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## USA: INGERSOLL RAND Completes Acquisition of TRANE

Hamilton, Bermuda, June 5, 2008 – INGERSOLL RAND COMPANY LIMITED today announced that the company has successfully completed its acquisition of TRANE. TRANE now becomes a wholly owned subsidiary of INGERSOLL RAND and TRANE common stock is no longer publicly traded as of the close of trading on the New York Stock Exchange today.

TRANE shareholders overwhelmingly approved the acquisition in a special meeting this morning at TRANE's headquarters in Piscataway, N.J. Under terms of the agreement, INGERSOLL RAND acquired all outstanding common stock of TRANE. Holders of TRANE's approximately 200 million common shares receive a combination of \$36.50 in cash and 0.23 INGERSOLL RAND shares of common stock per each TRANE share.

"The acquisition of TRANE represents a major milestone in the history of INGERSOLL RAND and culminates a significant transformation of our business portfolio," said Herbert L. Henkel, INGERSOLL RAND chairman, president and chief executive officer. "Today, INGERSOLL RAND is a global diversified industrial company, with projected pro forma 2008 revenues of \$17 billion and leading positions in global climate control, industrial and security markets.

"We have executed our transformation with the express purpose of creating an enterprise that delivers more consistent revenue and earnings performance across all phases of the economic cycle. As part of that strategy, in 2007 we sold \$6.2 billion of highly cyclical, capital intense businesses, including the Bobcat, Road Development, Utility Equipment and Attachments businesses. Now, with the addition of TRANE, INGERSOLL RAND is composed of businesses that offer better balance across product and geographic markets, leadership brands, strong market shares, growing global presence and powerful distribution networks, all of which enhance the potential for improved growth, earnings and cash flow.

"In particular, the TRANE acquisition allows us to offer a full range of heating, air conditioning and climate control systems and services that enhance personal comfort, preserve food and perishables and increase business efficiency. On a combined basis, we expect these comfort and climate control businesses to generate revenues of approximately \$11 billion in 2008, while our industrial and security businesses each are expected to generate revenues of approximately \$3 billion in 2008.

"We will continue to focus on integrating TRANE and delivering the expected pre-tax cost synergies of \$125 million in the first full year and \$300 million by 2010. These synergies will result from supplier rationalization and procurement leverage, manufacturing initiatives and reduction in general and administrative costs. Also, we will pursue growth synergies, including service revenue expansion and cross selling."

Source: [www.trane.com](http://www.trane.com)



## USA: CARRIER CORP. Acquires SHARP MECHANICAL, INC

ST. LOUIS, May. 30, 2008 - CARRIER CORP. has acquired SHARP MECHANICAL, INC., a St. Louis, Missouri-based HVAC (heating, ventilation and air conditioning) contractor specializing in the service and repair of commercial equipment. The business will operate as part of CARRIER COMMERCIAL SERVICE effective immediately. CARRIER CORP. is a unit of UNITED TECHNOLOGIES CORP.

SHARP MECHANICAL, incorporated in 1988, provides HVAC service in the St. Louis metro area to a wide variety of customers, including manufacturers, universities, property management firms and municipalities.

"We're pleased to add SHARP MECHANICAL to the CARRIER COMMERCIAL SERVICE network," said Guy Colglazier, vice president and general manager of CARRIER COMMERCIAL SERVICE. "Their knowledge of the local market and expertise in servicing commercial equipment will help us provide greater value to our customers."

The acquisition was completed on May 13. Terms of the deal were not disclosed.

CARRIER COMMERCIAL SERVICE provides maintenance, repair and replacement services for HVAC systems; building controls; and energy management services and solutions products from more than 100 locations in the United States and Canada.

### About CARRIER CORP.

CARRIER CORP., headquartered in Farmington, Conn., is the world's largest provider of heating, air-conditioning and refrigeration solutions. With 2007 revenues of \$14.6 billion, CARRIER has approximately 43,000 employees worldwide and operations in more than 170 countries. CARRIER is part of UNITED TECHNOLOGIES CORP, a Hartford, Connecticut-based provider of products and services to the aerospace and building systems industries worldwide.

Source: [www.corp.carrier.com](http://www.corp.carrier.com)



## Canada: ACKLANDS-GRAINGER INC. Acquires EXCEL INDUSTRIEL

CHICAGO, June 9, 2008 - GRAINGER, North America's leading industrial distributor, today announced that its Canadian subsidiary, ACKLANDS – GRAINGER INC., has acquired substantially all of the assets of EXCELL INDUSTRIEL located in Granby, Quebec. EXCEL is a business-to-business broad line distributor of maintenance, repair and operating (MRO) supplies. Terms of the agreement were not disclosed.

"We are very excited about joining forces with EXCEL," said Court D. Carruthers, President of ACKLANDS – GRAINGER. "They are a leading player in the Eastern Townships of Quebec and have a long history of excellent customer service."

"EXCEL has been in business since 1951. Our business is a perfect fit for ACKLANDS – GRAINGER. We share common values and expect a seamless transition," adds Louis Menard, President, EXCEL INDUSTRIEL.

The company expects an incremental sales contribution of approximately \$11 million from this acquisition over the next 12 months. The two existing ACKLANDS – GRAINGER and EXCEL branches in Granby will be merged; integration is expected within 60 days.

### About ACKLANDS – GRAINGER, INC.

ACKLANDS – GRAINGER, INC. is Canada's largest distributor of industrial, safety and fastener products, with over 100,000 in-stock products available from 155 branches and five distribution centres coast to coast.

Its parent company, W.W. GRAINGER, INC., with 2007 sales of \$6.4 billion, is the leading broad line supplier of facilities maintenance products serving businesses and institutions in Canada, China, Mexico and the United States. Through a highly integrated network including more than 600 branches, 18 distribution centers and multiple websites, GRAINGER's employees help customers get the job done.

Source: [www.excel.qc.ca](http://www.excel.qc.ca)



## USA: LOCHINVAR Walks The Walk

LOCHINVAR CORP. manufactures energy-efficient products, but now it's committed to encouraging green practices within the four walls of the company. Through eco-conscious manufacturing processes, recycling efforts and even lighting overhauls, LOCHINVAR and its employees have made "going green" a top priority.

Starting in 1991, LOCHINVAR led the charge towards low NOx operation by offering products that comply with emissions limits even before most states established NOx regulations. The company helped set the standard for equipment that promotes a cleaner, greener environment.

LOCHINVAR has also significantly reduced volatile organic compounds (VOCs) by minimizing the amount of painting conducted within the plant through the use of an eco-friendly, pre-painted sheet metal in the assembly of its products.

In addition, every unit LOCHINVAR manufactures is fire-tested to ensure optimal performance. This process requires the circulation of water through each unit to dissipate the heat during the test, with the heated water then being used in LOCHINVAR's HVAC system to provide heat in the winter and dehumidification in the summer.

In 2007, the company recycled 80 tons of cardboard and 15 tons of paper, resulting in the conservation of more than 1,600 trees. LOCHINVAR also recycled 9 tons of metal and reclaimed 2,200 gallons of used oil for other processes last year.

This year, LOCHINVAR "re-lamped" the plants and labs at its Lebanon, Tenn., headquarters in an effort to conserve electricity and greenhouse gas emissions. The metal halide system that was previously in place used 400 Watts of power, while the new High Bay Industrial Luminaries decrease power usage to only 135 Watts. As a result, LOCHINVAR expects an energy savings of 566,868 kWh per year, which translates to an annual reduction of more than 800,000 pounds of carbon dioxide.

"As part of the ongoing commitment to sustainability and customer satisfaction, LOCHINVAR continues to research innovative new products and practices that help protect natural resources, while also reducing energy bills," the company announced.

Source: [www.radiantandhydronics.com](http://www.radiantandhydronics.com)



## Canada: Electric Boiler Manufacturer THERMOLEC Sells Humidifier Line

June 5, 2008 - Mississauga, ON and St. Laurent, QC – Today DESERT SPRING PRODUCTS and THERMOLEC jointly announced the sale of THERMOLEC's by-pass humidifier product line to DESERT SPRING PRODUCTS for an undisclosed sum. The purchase includes all intellectual property, production tooling and inventory associated with THERMOLEC's patented Series M600/550 water conserving flow-through humidifiers, as well as the innovative Series M400/300 self-cleaning drum humidifiers.

THERMOLEC's President Cherif Menassa commented that "due to sustained and rapid growth in THERMOLEC's core electric heating equipment and controls business, the residential humidifier business was not getting the attention it deserved and we believed that DESERT SPRING PRODUCTS was the buyer best positioned to develop this business to its full potential".

"These two products are ideal additions to DESERT SPRING PRODUCTS' patented Rotary Disc humidifier" said Mr. Peter VanderPlaat, DESERT SPRING PRODUCTS CEO, "they provide DESERT SPRING PRODUCTS with a broader range of products – each of which is consistent with our unique focus on providing patented water conserving humidifier technology". He added that "having these products will allow us to expand our distribution channels beyond our current scope". DESERT SPRING PRODUCTS will continue to serve THERMOLEC's existing customers for these products under its own brand as well as various existing OEM arrangements.

DESERT SPRING PRODUCTS LIMITED is a private company with the near-term vision of significantly increasing its presence in the North American whole house indoor air quality market. THERMOLEC LTD. is a private company and a leader in the North American electric heating equipment and controls market.

Source: [www.desertspringproducts.com](http://www.desertspringproducts.com)



## USA: Best News for Contractors May be the Summer Weather

June 23, 2008 - The South and West are expected to experience a hot summer for 2008, but the Midwest and East could experience below normal temperatures for the months of June through August.

Of course, the trouble with weather forecasting is, as one pundit put it, "that it's right too often for us to ignore it and wrong too often for us to rely on it."

With the economic outlook not exactly encouraging, the NEWS turned to the 2008 Old Farmer's Almanac and tried to make sense of the data from the National Oceanic and Atmospheric Administration's (NOAA's) National Weather Service (NWS) to find out if the summer weather will be at least cooperative and help make contracting businesses busy.

Here is how the next three months are supposed to pan out:

**SOUTHEAST** (includes portions of Alabama, Florida, Georgia, North Carolina, South Carolina, and Virginia): Summer will be slightly hotter than normal, with below-normal rainfall in eastern North Carolina and above-normal rainfall elsewhere. The hottest temperatures will occur in early June, early to mid- and late July, and early August.

Breaking that down, the NWS is calling for 54 percent above-normal weather for the Raleigh-Durham area in North Carolina over the next three months (June, July, and August), while the Augusta-Bush area in South Carolina is expected to experience only 24 percent above-normal temperatures during the summer months.

Meanwhile, Tallahassee, Fla., is expected to experience 43 percent above-normal temps over the next three months while Atlanta, Ga., is forecast to have 36 percent above-normal temperatures for the summer of '08.

**APPALACHIANS** (portions of District of Columbia, Georgia, Maryland, Michigan, New Jersey, New York, North Carolina, Pennsylvania, Tennessee, Virginia, and West Virginia): Summer is expected to be rainier than normal, with near-normal temperatures. The hottest temperatures are forecasted to occur in early and late June and mid- and late July.

Turning to the NWS, it predicts the Detroit, Mich., area will experience equal above-normal (33 percent), near-normal (34 percent), and below-normal (33 percent) temperature swings. The same equation is forecast for the New York City area. In Charleston, S.C., however, the service is predicting above-normal temperatures for more than one-half of the summer months (51 percent), while 31 percent of the time near-normal temperatures are expected.

**NORTHEAST** (portions of Connecticut, Maine, Massachusetts, New Hampshire, Pennsylvania, and Vermont): Summer is expected to be rainier and slightly hotter than normal. The hottest periods are expected to occur in mid- to late June and mid-July.

Examining the predictions from the NWS, the Bangor, Maine, area is calling for 60 percent above-normal temperatures for the months of June, July, and August. During this same time period, temperatures will be hovering equally (33 percent above-normal, 34 percent near-normal; and 33 percent below-normal) in the Boston, Mass., vicinity, while there will be 40 percent above-normal



temperatures for the Allentown, Pa., area.

PACIFIC NORTHWEST (portions of California, Oregon, and Washington): Summer will be one to two degrees above normal, on average, with below-normal rainfall. The hottest temperatures will occur in early June, late July, and mid- to late August.

Getting specific, the NWS forecasts that the Sacramento, Calif., area will experience 37 percent above-normal temperatures this summer while Portland, Ore., is predicted to have 31 percent above-normal temps. The Seattle vicinity is expected to experience 31 percent above-normal temperatures.

HEARTLAND (includes portions of Illinois, Iowa, Kansas, Missouri, Nebraska, South Dakota, and Wisconsin): Summer will be slightly cooler and drier than normal, according to the 2008 Farmer's Almanac. The hottest temperatures will occur in early and mid to late June and mid- to late July.

Temperatures in St. Louis are supposed to be equal (33 percent above-normal; 33 percent below-normal; and 34 percent near-normal) over the summer months while the area around Milwaukee is supposed to have 51 percent above-normal temps during June, July, and August.

HAWAII: Summer temperatures will continue to average one to two degrees warmer than normal, with the hottest periods in mid-July and the first half of August. Rainfall will be slightly below normal from Kauai to Oahu, and slightly above normal in the eastern islands. The rainiest periods will occur in mid-June and mid-July.

ALASKA: Summer temperatures will average about a degree warmer than normal in the southern half of the state and about a degree cooler than normal in the north, with near-normal precipitation. The warmest periods will be in mid-July and early August.

Source: ACHR News



## USA: Study: Solar Power Could Provide 10% of U.S. Electricity by 2025

Solar energy currently provides less than 0.1% of the electricity generated in the United States, but a new report finds that solar power's contribution could grow to 10% of the nation's power needs by 2025. The report, prepared by research and publishing firm CLEAN EDGE and the nonprofit CO-OP AMERICA, projects nearly 2% of the nation's electricity coming from concentrating solar power systems, while solar photovoltaic systems will provide more than 8% of the nation's electricity. Those figures correlate to nearly 50,000 megawatts of solar photovoltaic systems and more than 6,600 megawatts of concentrating solar power.

As noted in the report, solar power has been expanding rapidly in the past 8 years, growing at an average pace of 40% per year. The cost per kilowatt-hour of solar photovoltaic systems has also been dropping, while electricity generated from fossil fuels is becoming more expensive. As a result, the report projects that solar power will reach cost parity with conventional power sources in many U. S. markets by 2015. But to reach the 10% goal, solar photovoltaic companies will also need to streamline installations and make solar power a "plug-and-play" technology, that is, it must be simple and straightforward to buy the components of the system, connect them together, and connect the system to the power grid.

The report also places some of the responsibility with electric utilities, which will need to take advantage of the benefits of solar power, incorporate it into future "smart grid" technologies, and create new business models for building solar power capacity. The report also calls for establishing long-term extensions of today's investment and production tax credits, creating open standards for connecting solar power systems to the grid, and giving utilities the ability to include solar power in their rate base.

Source: EERE



## USA: San Francisco Launches Nation's Largest Municipal Solar Incentive

11 June 08 - San Francisco, California, passed legislation last week to implement a 10-year solar incentive program that will be the largest municipal solar program in the United States. People and organizations that install solar photovoltaic power systems on their properties will earn taxable solar incentives of \$3,000-\$6,000 for residences, up to \$10,000 for businesses and non-profits, and up to \$30,000 for nonprofit affordable housing. Residents and businesses can earn the highest incentives by employing a solar installer that hires graduates of the city's workforce development program. One sponsor of the legislation claims that the new incentives will significantly expand the use of solar energy in San Francisco, which currently has less than 1,000 solar rooftops.

According to the city's assessor's office, the Solar Energy Incentive Program is expected to launch in the near future with a budget of \$3 million, enough to provide incentives for 1.5 megawatts of solar power on residential and business properties. In addition, a one-year pilot program with a budget of \$1.5 million will provide incentives to nonprofit organizations and residences for low-income families. The incentives will be paid on a first-come, first-served basis and are assignable to the building owner, the installer, or a third party. They apply only to new installations at existing buildings.

Source: EERE



## USA: Price Jolt: Electricity Bills Going Up, Up, Up

15 June 2008 - Here's a shocker: Electricity bills are heading up. Way up. Utilities across the USA are raising power prices up to 29%, mostly to pay for soaring fuel costs, but also to build new plants and refurbish an aging power grid.

Even more dramatic rate increases are ahead. The mounting electric bills will further squeeze households struggling with spiraling gasoline prices.

"Consumers now face a tough reality on electricity," says Mark Cooper of Consumer Federation of America.

The increases come after rising fuel prices already have driven up utility bills nearly 30% in the past five years, the sharpest jump since the 1970s energy crisis. Fuel costs are again the main culprit. In Virginia, POTOMAC EDISON, citing high coal and natural gas prices, plans to raise rates 29% on July 1, pushing an average monthly residential bill from about \$70 to \$90. AMERENUE, Missouri's largest utility, recently asked for its first rate increase in 20 years, a 12.1% boost, mostly to cover higher fuel costs. Customers of PUBLIC SERVICE CO. OF OKLAHOMA were socked with a 25% rise on June 1.

The price of coal, which fires half of U.S. power plants, has doubled since last year, largely because of surging energy use in countries such as China and India. Natural gas prices are up nearly 50% on high U.S. demand. In California, drought has forced PACIFIC GAS & ELECTRIC to replace cheap hydroelectric power with natural gas, helping to prompt it to seek 13% rate increases.

The cost to build a power plant has also gone up, more than doubling since 2000. SOUTH CAROLINA ELECTRIC & GAS wants to boost rates 37% by 2019 to cover its share of two nuclear reactors costing \$10 billion.

Some utilities are seeking several increases. In New York City, CON EDISON, which raised rates 4.7% in April, seeks increases of 5% in each of the next three years to fund \$5.5 billion in equipment after a 2006 Queens blackout. That's on top of an anticipated 13% rate increase this summer for higher fuel charges. "We must make sure that our system has the highest reliability," says CON ED spokesman Michael Clendenin.

Queens Assemblyman Michael Gianaris says CON ED wasted funds on new plants elsewhere and urges regulators to reject the proposal. "I say not one penny more until reforms are done," he says.

Expect bigger rate shocks if federal legislation, anticipated by 2010, passes and forces coal-fired generators to pay fees to emit global-warming gases. AMERICAN ELECTRIC POWER, the largest coal-fired generator, will have to raise rates 115% to pay higher fuel costs, build new plants and recover global-warming fees, says Hugh Wynne of BERNSTEIN RESEARCH. But Wynne says regulators could temper increases by trimming profits.

Source: [www.usatoday.com](http://www.usatoday.com)



## USA: Fuel, Electricity Prices to Continue Upswing, Says DOE

WASHINGTON — The average price for regular gasoline in the United States will continue to increase until it reaches \$4.15 in August, according to the U.S. Department of Energy's (DOE) Energy Information Administration (EIA). The EIA's "Short-Term Energy Outlook," released June 10, also projects increased prices for diesel and natural gas. With fuel prices up, electricity prices are also expected to increase by about 3.7% in 2008 and another 3.6% in 2009. The main driver is the cost of crude oil, which the EIA now projects to increase per barrel in 2009. Until now, the EIA had forecast a drop in crude oil prices in 2009.

Source: ASHRAE



## USA: Hawaii Schools Could Receive \$20.5 Million In New 'Green' Construction Grants

5 June 2008 - WASHINGTON, DC – U.S. Representative Neil Abercrombie said Hawaii schools would be eligible for \$20,546,800 in funds over the next five years for building modernization, renovation and repair under the 21st Century Green High-Performing Public Schools Facilities Act approved by the House this week. The Green Schools Act authorizes the five-year program to help school districts across the country make their buildings more energy efficient and reliant on renewable sources of energy.

“Most importantly, our keiki will benefit from the Green Schools Act because research shows a direct correlation between the quality of school facilities and student achievement,” said Abercrombie. “So, these funds to help Hawaii school districts renovate and modernize school buildings will actually improve the teaching and learning climate, health and safety.”

Since 2001, the federal government has provided very little to help states and school districts pay for school construction and repair. The measure requires school districts to publicly report the educational, energy and environmental benefits of the projects, how they comply with green building standards and the percentage of funds used for projects at low-income and rural schools.

“The second group of winners from this legislation will be the taxpayers of Hawaii,” Abercrombie continued. “By requiring school construction and modernization to meet green school standards, savings from lower energy bills can amount to thousands of dollars per school per year, money that could be used to hire teachers, buy computers or purchase textbooks instead.

“And, the third beneficiary will be Hawaii’s economy, because the program will create good-paying jobs in the construction industry. In fact, the bill’s language stipulates that construction jobs will have to be paid fair wages and benefits under the protections in the Davis-Bacon Act.”

Under the legislation, a local educational agency may use a grant for modernization, renovation, or repair of public school facilities, including:

1. repairing, replacing, or installing roofs, electrical wiring, plumbing systems, sewage systems, lighting systems, or components of such systems, windows, or doors;
2. repairing, replacing, or installing heating, ventilation, air conditioning systems, or components of such systems (including insulation), including indoor air quality assessments;
3. bringing public schools into compliance with fire and safety codes, including modernizations, renovations, and repairs that ensure that schools are prepared for emergencies;
4. modifications necessary to make public school facilities accessible to comply with the Americans with Disabilities Act of 1990 (such modifications, however, cannot be the primary use of the grant);
5. asbestos abatement or removal from public school facilities;
6. implementation of measures to reduce or eliminate human exposure to lead-based paint;



7. upgrading or installing educational technology infrastructure;
8. other modernization, renovation or repair of public school facilities to improve teachers' ability to teach and students' ability to learn, ensure the health and safety of students and staff, or make them more energy efficient; and
9. required environmental remediation related to school modernization, renovation, or repair

The 21st Century Green High-Performing Public School Facilities Act has not yet been considered in the Senate.

Source: [www.hawaiireporter.com](http://www.hawaiireporter.com)

## USA: DOE Initiates Rulemaking for AC, Heat Pumps

June 12, 2008 - The U.S. Department of Energy (DOE) has begun a 3-year rulemaking and data collection process for establishing amended energy conservation standards for residential central air-conditioners and heat pumps.

A final rule is expected to be published in 2011 and the new standards will be effective June 2016.

DOE has scheduled a public meeting for today to discuss comments on its planned analytical approach and issues to be addressed in this rulemaking proceeding.

Source: Appliance Magazine



## USA: AHRI Challenges DOE In A/C Rule

Citing poor cost predictions made during past rulemakings for central air conditioners and heat pumps, the Air-Conditioning, Heating and Refrigeration Institute (AHRI) called on the U.S. Department of Energy to be more "thorough and vigorous" during its next rulemaking process that began earlier this month. DOE will use the rulemaking process to determine whether the minimum efficiency standards, which were increased in 2006, should be revised again by 2016.

AHRI's Vice President for Regulatory Policy and Research, Karim Amrane, testified June 12 during a public meeting in Washington, D.C., that DOE severely underestimated the cost increase from a 10 SEER to a 13 SEER system.

Amrane called on the DOE to perform thorough analyses in three areas:

- Cost increases associated with higher efficiency standards
- Potential cost impact from an HFC cap as part of climate change policy
- Feasibility of various enforcement mechanisms for possible regional efficiency standards

"DOE needs to step back and review past analyses to understand where improvements need to be made," Amrane announced. He added that there is evidence the DOE's predicted incremental cost of \$335 between a 10 SEER and a 13 SEER split air conditioner was severely underestimated and he cited a 9 percent drop in equipment sales since the 13 SEER mandate took effect. This fact, combined with an increase in parts sales and room air conditioners, he said is evidence that the new standard is not economically justified for many consumers. He also said the energy savings estimated by DOE were probably overstated as well.

Amrane also asked the energy department to "carefully study the impact of climate change legislation on the availability and price of HFC refrigerants." He said there is a real possibility prices will skyrocket and not enough refrigerant will be available to meet the new energy conservation standards.

Amrane explained that higher efficiency products require more refrigerant charge because they have larger evaporators and condensers. He added that despite this fact, dominate in the U.S. Senate is a climate change bill that would set an HFC cap for 2016 at 39 percent below estimated industry demand.

In addition, Amrane told the DOE that if regional standards are adopted, either as part of the current rulemaking process or another process, they will present unique enforcement challenges. He said any regional standard above the base national standard will require enforcement of product distribution and installation. He stressed that a successful enforcement plan would require the participation of all stakeholders, including manufacturers, distributors, contractors and code officials.

Source: Supply House Times



## USA: Overall HVAC Shipments Down Again

The Air-Conditioning, Heating and Refrigeration Institute (AHRI) recently reported that for the past three years central a/c and heat pump shipments have dipped in April, and the trend appears to be continuing in 2008. Furnace and water heater shipments for the year-to-date are also down, compared with the same four-month period a year ago.

### Storage Water Heaters

Residential electric water heater shipments for April totaled 348,596, a 3 percent drop from the same month a year ago. Residential gas water heater shipments totaled 341,935, a 7 percent drop compared with shipments for the same month last year. For the year-to-date, 2.8 million residential gas and electric storage water heaters have been shipped, an 8 percent drop compared with the same period a year ago.

Commercial gas water heater shipments for April totaled 8,134, jumping 15 percent compared with the same month last year, while commercial electric water heater shipments totaled 6,013, jumping 18 percent compared with the same month a year ago. For the year-to-date, electric water heaters shipments are 7 percent ahead of total shipments of this product during the same period last year. Commercial gas water heater shipments for the year-to-date are up 2 percent, compared with the same period a year ago.

### Central Air Conditioners and Air-Source Heat Pumps

Combined U.S. factory shipments of central air conditioners and air-source heat pumps for April totaled 524,296, down 6 percent compared with the same month a year ago. For the year-to-date, combined shipments totaled 1.8 million, a 7 percent drop compared with the same period last year.

Heat pump shipments for April totaled 149,287, down 9 percent from the same month a year ago. For the year-to-date, heat pump shipments totaled 584,618, a 5 percent drop compared with the same period last year.

### Warm Air Furnaces

U.S. factory shipments of gas warm air furnaces in April totaled 136,561, a 19 percent drop compared with the same month a year ago. Oil warm air furnaces for the same month totaled 2,738, a 28 percent drop compared with April 2007 totals. For the year-to-date, gas furnace shipments totaled 664,714, a 17 percent drop compared with the same period last year. Oil furnace shipments for the year-to-date totaled 16,448, a 27 percent drop compared with the same period last year.

### Room Heaters

A total of 4,225 vent-free room heaters were shipped in April 2008, a 45 percent increase compared with the same month last year. For the year-to-date, 16,654 units have been shipped, a 2 percent drop compared with the same 4-month period last year.

Source: ari.org



## USA: TRANE's Employee Recognized for Supporting Nobel-Winning Panel

16 June 2008 - TYLER, Texas — Jim Crawford, director of regulatory affairs for TRANE, has long been active in industry activity on global environmental issues during his 48 years of service with the company. Crawford was recognized for his efforts when he received a certificate from the Intergovernmental Panel on Climate Change (IPCC) in recognition of his contribution to the group that was awarded a Nobel Peace Prize in 2007. The IPCC shared the Nobel honor with Al Gore as noted by the committee “for their efforts to build up and disseminate greater knowledge about man-made climate change, and to lay the foundations for the measures that are needed to counteract such change.”

Crawford served on a panel of science and technology experts that was formed by IPCC, and served as a reviewer for working group reports that contributed to the Nobel-winning assessment and interpretation of environmental research. He noted that he was surprised, and honored, that IPCC recognized every individual who had contributed to their award-winning activity. “A tremendous effort has been put into research behind climate change since the 1980s,” he said. “IPCC has long operated with the highest levels of collaboration from diverse groups on a global scale. It is generous of them to acknowledge the contributions of individuals at every level of the process. This is certainly a highlight of my career.”

Crawford further recognized TRANE's commitment to being part of the solution on environmental issues. “My company's support in allowing me and my colleagues to be involved with efforts like IPCC's research speaks to TRANE's role as a good corporate citizen on issues that have a direct impact on our business and our customers' well being.”

Source: ACHR News



## Canada: Increased Interest in Renewable Energy Increasing Ranks of CANSIA Membership

OTTAWA June 23, 2008 – Noting a direct link to increased activity surrounding renewable eco-energy opportunities, the Canadian Solar Industries Association is pleased to announce four new Corporate 1 members have joined its ranks.

“CANSIA’s voice is growing exponentially as firms recognize the solar industry is ideally positioned to offer its expertise to governments and the public. Our increased ranks are now broadening to include law firms and banks, and points to the growth and interest in solar in Canada and worldwide. Solar energy is the future and our growing membership is proof of the possibilities that lie in our industry,” said Elizabeth McDonald, CanSIA Executive Director.

### New Corporate 1 Members

- BORDEN LADNER GERVAIS LLP (Electricity Markets Group) [www.blgcanada.com](http://www.blgcanada.com)
- ENBRIDGE INC. [www.enbridge.com](http://www.enbridge.com)
- SATCON POWER SYSTEMS CANADA LTD. [www.satcon.com](http://www.satcon.com)
- TD CANADA TRUST [www.td.com](http://www.td.com)

In order to qualify as a Corporate 1 member, companies must have more than 25 employees or revenue of over \$3 million per year.

The Canadian Solar Industries Association’s mission is to develop a strong, efficient, ethical and professional Canadian solar industry, able to service an expanding domestic energy market, to provide innovative solar solutions to world energy problems, and to play a major role in promoting the transition to a solar energy future worldwide.

Source: [www.cansia.ca](http://www.cansia.ca)