

Trane Q1 2014 Media Highlights



Earned Media Executive Summary

Consumer impressions: 85,275,177

Trade impressions: 2,192,293

Total earned media impressions: 87,467,470

2014 earned media impressions goal: 250MM



Key Consumer Earned Media Placements



Consumer Earned Media Placements – January 2014

Print and Online











EarthTalk® E - The Environmental Magazine

"Smart" thermostats save in long run

Dear EarthTalk: Will I heat-and then sets a heating/ owners report savings of really be able to save money cooling schedule accordingly. between \$10 and \$30 per and energy in the long run Owners can also program the month on their heating/coolby shelling out hundreds of Nest, which connects to the ing bills-and research has dollars now for a so-called Internet via Wi-Fi, to heat up "smart" thermostat?

Spending \$200 or more to replace that older, still functioning thermostat with a new whiz-bang "smart" variety best small investments a homeowner can make, given cost savings down the line.

The coolest of the bunch of new smart thermostats, the Nest, was created by former Apple employees who had been instrumental in designing the original iPod and iPhone years earlier. This simple looking round thermostat is reminiscent of old-school thermostats that one would manually adjust by turning the temperature dial. But the autoawake feature that turns on the bright blue digital display when someone walks nearby gives the Nest away as an ultra-modern piece of high tech gadgetry.

The Nest's software "learns" the habits in a given space by logging when inhabitants tend to be home and awake and noting when they

schedule or go into "away" mode from any web browser or smart phone.

While the Nest is likely the might seem like a waste of best known smart thermostat money, but it can be one of the available-especially since Google acquired the company behind it in early 2014-sevthe potential for energy and eral other manufacturers (including Honeywell, ecobee, Hunter, Radio Thermostat, Trane and Lux) have Wi-Fienabled smart thermostats available now as well.

> While only some of them have the auto-sensing and "learning" capabilities of the Nest, those without that feature also cost less. And merely programming in a weekly schedule to any smart thermostat will be the main source of cost and energy savings. People who were diligent about turning their old thermostats up and down throughout the day might not see any substantial savings with a smart thermostat, but most of us aren't so diligent-especially when it comes to turning the heat down at night when we are sleeping.

Many smart thermostat

or cool down the house at a set can save upwards of 10 percent of the total energy consumed by a given household. Smart thermostats range in price from \$50 to \$250, so upgrading could pay for itself within a year or two at most, with long-term savings racking up month-by-month after

> Many utilities now offer free or discounted smart thermostats to customers. Getting in on such a program is a great way to reduce energy costs without the up-front expense of installing a smart thermostat independently. According to the Database of State Incentives for Renewables and Efficiency (DSIRE), incentives to install smart thermostats are available through utilities in 45 states.

CONTACTS: Nest, www. nest.com: DSIRE, www.dsireusa.org; Navigant, www.navigantresearch.com.

EarthTalk® is written and edited by Roddy Scheer and Doug Moss and is a registered trademark of E - The Environmental Magazine

Smart Thermostats Save in the Long Run

- Trane was mentioned in an EarthTalk The Environmental Magazine article regarding smart thermostats saving homeowners money. The article was picked up by several media outlets across the country.
- 943,323 impressions



Consumer Earned Media Placements – January 2014

Print and Online











Save green indoors and home upgrades

(BPT) - Spring is the perfect time to think green. For some it's spurred by the coming of Earth Day, others the renewed greening of our lawns. And many are motivated by the desire to save a little green in their wallets with a fresh new season of home repairs. If you're one of these people, you can help save some green for the planet, as well as your hard-carned eash, by making energy efficient upgrades throughout

Helping the world stay green gained traction with the first Earth Day bold March 22, 1970, as declared by Senator Gaylord Nelson of Wisconsin. As a nation, much has been accomplished with the environmental movement, yet there are also easy things you can do at home to "go preen" and save money at the same time. Here are some tips for home energy efficiency upgrades indoors and out.

*Cool efficiently: When it comes to home energy bills, heating and cooling accounts for as much as half of the average home's utility costs, according to energy-gov. Get ready for the hortest days of summer by tuning up your heating, ventilating and air conditioning (HVAC) system so it's operating efficiently. Change your HVAC filters regularly. In addition, if your cooling system is more than 10 years old, consider replacing it with one that has a Seasonal Efficiency Ratio (SEER) of 20.00 for better savings. Trands XL20i, for example, can mean a savings of up to 60 percent on your annual cooling costs - that's cool cash in your pocket.

"Programmable temperature controls: A programmuble HVAC control can reduce energy consumption by up to 15 percent compared to traditional nonprogrammable thermostats. Today's HVAC control systems, like the Trane ConfortLink If Control, now monitor indoor and outdoor temperatures, plus home energy use over time, to help you manage energy and comfort even further.

*Conserve water: Remember, water isn't free. Indoors, lower water bills by installing low-flow water fixtures including toilets, showerheads and faucets. Outdoors, add a water-saving spigot for the garden hose. To avoid water evaporation, water your plants early or late in the day, and when your green lawn starts to grow, don't mow too low. If you

have lawn sprinklers, double check that they are set to water grass and shrubbery instead out with energy-efficient of the driveway or sidewalk. Rather than hose down your deck to clean it, save water by sweeping instead.

> *Lighting: About 10 percent of the energy your home uses goes to lighting costs, according to energy.gov - in fact, by just replacing five of your home's most frequently used lights with energy efficient ENERGY STAR bulbs, you could save \$75 a year in energy costs. Compared with traditional incandescent bulbs, compact fluorescents can yield as much as 75 percent energy savings and last six times longer. You can save even more energy and wasted heat by switching to LEDs. Outdoor lights using CFLs or LEDS save energy, too, so look for ENERGY STAR qualified fixtures designed for outdoor use.

By taking these steps, you can help make the world a little greener, keep your home a little greener, and save even more green where it really hits home - in your wallet



Save Green With Energy-Efficient Home Upgrades

- Spong wrote a syndicated article featuring tips on ways to help save money through home repairs during the spring remodeling/cleaning season. Tips included adding programmable HVAC systems, which mentioned the Trane ComfortLink™ II Control.
- 35,721,330 impressions



Consumer Earned Media Placements – January 2014

Magazine



Cleaning the Air: Part II

■ I do not want a freestanding air cleaner sitting in my house. Is a whole house air cleaner a good alternative to improve the air in my home and my health? the flat filter and use a pleated filter with

(MERV) of 8 to 12. Pleated filters cost

\$5 to \$15 and have a zigzag surface that

ters because limited air flow can shorten

Another option is two-to-five-inch

thick pleated filters that are installed

by a mechanical contractor at the air

return grill inside the house or at the air

the life of your HVAC system.

A whole house air cleaner can be a simple air filter or attached to your home's HVAC system. An air cleaner cannot replace frequent house cleaning, use of exhaust fans or air filter replacement. Air cleaners can improve indoor air quality but have not been sufficiently researched for health to find the MERV to compare products. irritant. Air cleaners without electrost benefits. Before proceeding with installation of an air cleaner, the ductwork should be properly sealed with bucket mastic. You should take three steps before considering an air cleaner.

Most homes with forced air systems have handler. These filters are often replaced a one-inch thick filter in the air return. annually, capture smaller particles and This filter protects the guts of your HVAC system from getting coated and clogged with dust. If you want the air fil-



webs on a regular basis. Whole house air cleaner

Spending upwards of \$1,000 on a whole use air cleaner to improve your health

attic, be willing to crawl through cob-

or home is a gamble. In 2010, The Journal of Allergy and Clinical Immunology published an article that summarized the last 30 years of research on the health benefits of air cleaners. They concluded the health benefits are debatable because studies have not been long enough, not had enough participants, not included placebos, not gathered thorough data... and the list goes on. The authors say that air cleaners-portable, HVAC filters, or whole house units—are likely to keep allergies from getting worse but no one

a minimum efficiency reporting value a few of the many brand options. These systems attach to the HVAC system and clean the air with an air filter and/or creates more surface area to capture par- electrostatic precipitator. Electrostatic ticles. Unfortunately, not all manufactur- precipitators capture particles similar ers label their filters with the MERV, so to your hair sticking to a balloon, and you might need to do a little homework generate low levels of ozone, a lung

Be diligent about changing dirty air fil- precipitators are preferable. Do not bother with air cleaners featuring ultraviolet germicidal irradiation (UVGI) and photocatalytic oxidation (PCO) because they are marginally effective. Find out the maintenance regime and filter unit you are considering. Also, the unit's are more expensive than one-inch filters. location needs to be logical so you can If the air handler is in the crawlspace or easily maintain it. Choosing an air cleaner is a judgment

call based on your need for better indoor air quality and budget. Start with a better air filter. If you see improvement and would like more of an improvement, try a portable air cleaner or hire a contractor to install a four-inch air filter. If you are gaga over the improvement and can afford it, perhaps you are

Hopefully, in the coming years, research will reveal if these devices have the potential to improve our health. Hannah McKenzie is a residential building science consultant for Advanced Energy (advancedenergy.org) in Raleigh.

ready to try a whole house air cleaner.

epa.gov/iag/pubs/airclean.html

Cleaning The Air: Part II

- Trane is mentioned in the discussion of options for a whole-home air cleaning system.
- 1,981,131 impressions



Key Trade Earned Media Placements



Trade Earned Media Placements – January 2014



NEW YORK — Trane is introducing the new TruComfort™ XV-S variable speed system, which delivers efficiencies of up to 27.5 SEER. The product represents Trane's next generation platform that builds upon the TruComfort variable



speed technology used in the XV18 and XV20i. The XV-S demonstrates the scalability of TruComfort technology, which can be applied in the 17-21 SEER segment, as well as in ultra high-efficiency systems like the XV-S.

Shown posing with the new XV-S (from left to right) are Julie McLean, Shawn Laskoski, Tyson Stuelpe, Tim Storm, Matt Barga, and Larry Oliver.

For more information, visit www.trane.com.

AHR Expo Showcases New HVACR Products

- Trane introduced the TruComfort[™] variable speed system at the AHR Expo in January. Editors covered the product announcement, capturing a photo of Trane representatives at the booth during the show.
- 177,020 impressions



Trade Earned Media Placements – January 2014

CONTRACTING

AHR Expo 2014: Still No Stopping Trane Product Innovations

Trane's all-new TruComfort system delivers precise and consistent comfort by running its compressors at the exact speed needed to keep homes comfortable, staying within 1/2 degree of the selected comfort setting.



All this week, during AHR Expo 2014 at the Javits Convention Center in New York City, Trane has been previewing its latest and greatest heating and cooling innovations. Products showcased at the Trane booth (No. 1302) include the award-winning TruComfort line of variable speed air conditioners and heat pumps; an industry-leading, never-before-seen HVAC product; a new dealer diagnostic tool, and much more.

Trane Calls it a Kind of 'Cruise Control'

Trane's all-new, state-of-the-art TruComfort system delivers precise and consistent comfort by running its compressors at the exact speed needed to keep homes comfortable

staying within 1/2 degree of the selected comfort setting.

Conventional HVAC systems operate much like a car engine in stop-and-go traffic; they constantly start and stop until the targeted temperature is reached. In comparison, Trane TruComfort variable speed technology operates in an efficient manner similar to a vehicle at highway speeds while on cruise control. Featuring a ComfortLinkTM II Communicating Control Board with a refrigerant cooled inverter, it consistently optimizes its run speed, often at lower outputs, to provide continuous comfort within a half degree

of the targeted temperature. This



AHR Expo: Still No Stopping Trane Product Innovations

- As a part of its AHR Expo 2014 coverage, the publication featured an online and print article on Trane's introduction of the TruComfort™ system and its connectivity with the ComfortLink™ II control. Kenneth Schoeneck was quoted in the article.
- 119,614 impressions



Trade Earned Media Placements – January 2014





HVAC News

- The Trane ComfortLink™ II was featured as part of a product roundup on thermostats with connected control offerings.
- 90,000 impressions



Trade Earned Media Placements – February 2014

GreenBuilder

Trane XV20i Heat Pump

Posted by Juliet Grable

Find me on:

Feb 18, 2014 6:37:00 PM











This quiet, variable-speed heat pump features longer run times at lower speeds, controlling humidity for a more comfortable environment. With an efficiency rating of 19.75 SEER, the XV20i can yield up to 60 percent in energy savings, compared to an industry standard heat pump. The CleanEffects system filters incoming air to eliminate dust, pollen and other irritants, creating a cleaner, healthier home. The compressor comes with a 12-year limited warranty.

Topics: Heating and Cooling, Indoor Air Quality, energy efficiency, HVAC, Trane, heat pump

50 Eco-Friendly Products

- Selected by the editors, the Trane XV20i heat pump was one of 50 top products that delivered efficiency and energy savings.
- 330,000 impressions



It's Hard To Stop A Trane®

Trade Earned Media Placements – February 2014





Google, Nest and the HVAC market

had the Internet a buzz about just puzzle. what this may mean in the ways of privacy and home automation quisition started quickly online nies like the Internet giant have them (Google). had their investments teams on smart alarm.

The technology has been around keting genius and Silicon Valley your competition. roots took it to the homeowner on a whole new level.

Contractors, at first, were excited too but as time moved on the contractor connection waned. We are already seeing a different reaction this time around.

Is it because of Google's involvement? Are we now aware of the Hall event. It was at this event limitations of the current Nest generation?

Maybe it's the fact that the thermostats are available to the con-sion his opinion of Google's actractor's customer right off the shelf at the local electronic retail

The HVAC market has no shortage of Wi-Fi-enabled controls and long gone are the days of gateway platforms if you're looking to offer remote connectivity to heating or

he recent news of Google's cooling appliances. But just conacquisition of Nest, the necting and controlling a heating maker of the wildly popu- or cooling system is limiting and lar self-setting Wi-Fi enabled home companies like Google (I predict) thermostat and now smart smoke will market their new acquisition and carbon-monoxide alarm, has as only one piece of a much larger

Home security monitoring companies have been offering to concontrol. Naturally, talk of the ac- trol your heat or A/C, alert you of water leaks and the like for a while and there is no shortage of ideas now. Maybe Google is looking in to just where Google will take this. that direction? Of course this may Whether we like it or not, compa- be just another business deal for

Last month I attended the AHR the trail of the technology found Expo in New York City. If you within the Nest thermostat and haven't been to an AHR show I can personally recommend it to any contractor looking for new techfor a while but Nest with its mar-nology, tools or to get a leg up on

> The topic of smart thermostats, as you can imagine at a show that has a heavy presence of HVAC products, was being discussed all over the place.

> One of the highlights of the show for me was participating as a speaker at the Mechanical Town where the training guru and event panelist John Barba of Taco Inc. added to the round table discusquisition with this: "Google spent \$3.2 billion on a thermostat company. When you compare that to the overall annual value of the residential HVAC industry you have to think that whatever it is that Google is buying it isn't the ther-

mostat. Also, you don't see Google dropping that kind of coin to buy Carrier, Trane or Lennox."

So what is Google buying? Your habits? Insight as to when you arrive home, leave for work or sit in front of your computer?

As a plumbing and heating con-➤ Turn to story, page 44 tractor in central Minnesota I have had limited success selling "Smart"

I have earned the reputation of being somewhat progressive in the way I run my business: new technology and products often get my wheels turning with the prospect of new or expanded work through the door, but in some cases all-out rejection from clients at the thought that they could or would have to control their heating and cooling system from their phone or computer is just one more thing they do not want to "have" to do. Maybe Google will excite these people and get them on board? We'll just have to wait and see.

Google, Nest and the HVAC market

- With the acquisition of Nest by Google, editor Eric Aune looks deeper into the industry's offerings. He includes a mention of Trane as a manufacturer of smart home controls/thermostats.
- 142,542 impressions



St. Jude Partnership Earned Media Placements – February 2014

It's Hard To Stop A Trane®

CONTRACTING

>EDITOR'S NOTEBOOK: BUSINESS BITS

named HVAC Controls Executive of the Year, for his contributions to the industry over the past year including the launch of eight new products in Q4 2013, reaching 1,000 end customers in every major city in the U.S.

Coming in March: Don't Miss Our AHR EXPO WRAP-UP! are a great recognition of our commitment to bringing new solutions to the building industry."

Danfoss Seeks Industry's Next 'EnVisioneer'

The Honeywell Prestige IAQ thermostat, won the Thermostat of the Year award, marking the second year in a row that a Honeywell thermostat has been recognized in the category. The Prestige IAQ was introduced during 2013 and offers a high-definition color display and is programmable up to seven days.

Honeywell WEBs was named the Building Automation System of the Year. WEBs is a web-enabled integration building system for small to large facilities that allows for integration of diversion systems and products from different

manufacturers that communicate using different protocols.
"We're honored to have won four awards at this year's.
Control Trends Awards ceremony," says Beth Wozniak,
president of Honeywell's Environmental and Combustion
Controls division. "Honeywell continues to focus on driving innovation not only in the products we offer, but also in
the ways we interact with partners, contractors and homeowners, focusing on a great user experience. These awards



Danfoss announced in February it is seeking entries for its fifting annual "EnVisioneer of the Year" award competition. The competition — now in its fifth year — recognizes U.S. original equipment manufacturers (OEMs), building owners, municipalities, and end users that have introduced a new product, opened a new facility, or invested in a building or system upgrade in the past 10 months using Danfoss products or solutions to realize significant energy and/or environ-

Interested participants may enter the competition by submitting an application by April 15, 2014.

"Over the past four years, we have had the opportunity to recognize some outstanding contributions to energy efficiency and environmental responsibility," says John Galyen, president, Danfoss North America. "Danfoss is dedicated to improving energy use and reducing emissions around the world, and the EnVisioneet of the Year award is a great way to appliad the achievements of companies finding success today through innovative engineering and readily-available technologies."

envisioneering.danfoss.com

Trane a National Sponsor of St. Jude Home Giveaway, Will Donate HVAC Products

Sources from Trane announced the company has entered into a strategic partnership with St. Jude Children's Research Hospital as a national sponsor of the 2014 St. Jude Dream Home Giveaway.

Through the partnership Trane will donate heating and cooling products for nearly 30 custom-built homes that will be given away throughout the year through local raffle drawings. The funds raised will help support the hospital's lifesaving mission of finding cures and saving lives of children battling cancer and other deadly disease.

"For more than 100 years, Trane has been known for its reliability in providing home comfort to families with our heating and cooling products," says Scott Martin, vice president of marketing for Trane. "We're thrilled to announce our new partnership with St. lude Children's Research Hospital to provide lasting comfort for those families who win a St. lude Dream Home, and ultimately support St. Jude in providing families with some level of comfort knowing that they will never receive a bill from St. Jude for anything."

For additional information, visit stjude.org/dreamhome / trane.com

Trane a National Sponsor of St. Jude Home Giveaway, Will Donate HVAC Products

- In the February issue of Contracting Business, Trane
 was mentioned as a national sponsor of the 2014 St.
 Jude Dream Home® Giveaway. In addition to the
 details about the giveaway, Vice President of
 Marketing Scott Martin was quoted about the
 partnership.
- 100.000 impressions



St. Jude Partnership Earned Media Placements – February 2014





<u>Trane Partners with St. Jude Children's</u> <u>Research Hospital® as a National Sponsor of the St. Jude Dream Home® Giveaway</u>

- Spong issued a press release announcing Trane's partnership with St. Jude, which was picked up by a wide variety of media outlets.
- 40,253,156 impressions

The Street





Saving Energy is the Overriding Theme at 2014 ASHRAE Conference, AHR Expo By Joanna R. Turpin

March 17, 2014 No Comments

On the Floor

At the AHR Expo, energy-efficient products lined the aisles, including Trane's new TruComfort system, which has the ability to change to over 700 speeds, saving energy and improving comfort. "TruComfort runs at the lowest output possible to meet the needs of the home, so its overall energy efficiency improves as the capacity output of the system lowers," said Matt Barga, portfolio leader, air conditioners and coils, Trane.

Barga explained that as energy costs rise, consumers are increasingly interested in products that can deliver energy efficiency at a price point they can afford. "Trane has positioned TruComfort in the 17-21 SEER space, which enables a cost-effective, variable-speed solution that also delivers the ultimate in comfort. Many consumers have issues with hot and cold spots or high humidity in their homes, and the appropriate application of TruComfort variable-speed technology can address those comfort issues, as well as deliver energy efficiency."

Expo Attendees Dig Into Efficiency

- Editor Joanna Turpin's recap of the AHR Expo includes a detailed account of the product introduction from Trane, the XV20i, as it was an important part of what Joanna saw as a theme of "saving energy" at the show. Matt Barga is quoted in the article.
- 177,020 impressions



CONTRACTING



Fueling the New Year at AHR Expo 2014

- Trane's TruComfort[™] system, introduced at AHR Expo, was included in this product roundup of HVAC systems from the show.
- 118,614 impressions

Trane XV20i variable speed air conditioning system

15 of 23

Trane introduces the XV20i variable speed air conditioning system. Key features include:

up to 20 SEER/14 EER

■ Prev

- 30-100% system speed/capacity modulation range
- 10 to 120 degree outdoor temperature operating range
- *Temperature control within 1/2 degree of set point
- ENERGY STAR Qualified
- Compatible with ComfortLink II Communicating Systems and Nexia Home Intelligence trans.com

Next ▶





2014 AHR Expo in New York City a Record-Breaking Success



The 2014 AHR Expo broke a couple of significant records despite the snow storm. First, the total registered attendance was 61,210 (42,991 visitors and 18,219 exhibitors, pending verification). This mark is the highest ever for the Show. Second, the Show broke the Northeast record for exhibit space at 385,000 square feet, an increase of almost 6 percent.

2014 AHR Expo in NYC a Record-Breaking Success

- In a recap of the booth visits editors made during the AHR Expo, Trane was featured with mentions about both its XV20i and Acceleration tour.
- 375,000 impressions



CONTRACTING





Revealed during Comfortech 2013 in Nashville, the XV20i uses Trane's TruComfort Variable Speed technology to deliver precise and efficient comfort by running your heating and cooling at the exact speed needed - saving up to \$564/year in energy costs. Key features include temperature control with 0.5 degree of setpoint, a 30-100% system speed/capacity modulation range, and efficiencies up to 20 SEER/14 EER. This Energy Star qualified product is compatible with the ComfortLink II Communicating Systems and Nexia Home Intelligence. Employs the Trane Climatuff Variable Speed compressor and Spine Fin coil. Also available in a heat pump version which delivers 80% heat capacity to 17F. www.trane.com

<u>Product Showcase Awards/Products for March 2014</u>

- The March product showcase roundup featured high efficiency packaged units, including a product review of the Trane XV20i. The product mention also includes the unit's ComfortLink™ II compatibility.
- 118,614 impressions



It's Hard To Stop A Trane®



<u>Put comfort On Cruise Control With Trane's</u> <u>Award-Winning TruComfort</u>

- In a product review of Trane's TruComfort™ system, editors include a mention of Nexia™ Home Intelligence and the Trane ComfortLink™ II Smart Control.
- 23,400 impressions