

In This Issue

Contact Us

A Bed Bug Cookout

Green Building on the Rise, Global Green Building Materials and Construction Assessment Reports

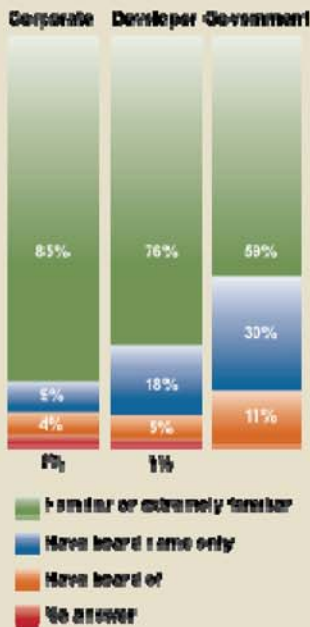
Pilot Program Launched to Help Increase Commercial Building Energy Savings

DID YOU KNOW?

According to the [2009 Buildings Energy Data](#) Book, in 2006, \$190.5 billion was spent on improvements and repairs to commercial buildings.

MARKET TRENDS

Level of Familiarity with LEED



[Click here](#) to view a larger image of this graph.

According to the 2009 Green Building Survey, which included developers, corporate real estate executives, and city and county

Dear Allison,

More and more the "green" movement is becoming a part of our daily lives from incorporating recycling into our own regimens to participating in the multiple green initiatives for our businesses. We can all easily say that, now, green is all the buzz and will probably continue to be for some time. Did you know that your local Linc Service Contractor has been offering green solutions for many years - there just wasn't a term for it until now? Hope you enjoy this month's eNewsletter, which outlines information on some green endeavors that are currently underway.

A BED BUG COOKOUT

Recently I attended a Bed Bug Cookout. Before you start thinking that this was the summer outing of the local entomology club let me clarify. This cookout is the latest method of remediating bed bug infestations in occupied buildings. It's called Thermal Remediation.

Like many of you I grew up with the innocent "don't let the bed bugs bite" mantra before being sent off to bed as a kid. Heck, we all knew there were no more likely "Bed Bugs" than monsters under the bed. Or did we? There was always that lingering thought, "wonder what those critters look like". Well, here is what they look like.

Bed bug infestation in the United States is increasing at an alarming rate, especially in the Northeast. Some pest management firms have reported more than a 10-fold increase in bed bug treatments in recent years. Why? A number of theories exist:

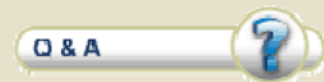
- the rise of international travel
- recycling of furniture
- the ban of some of the more potent insecticides such as organophosphates and carbamates

Identification of infestation can occur in several ways. Common signs include blood spotting on bedding and a characteristic sickishly sweet odor. Certainly allergic reactions to bug bites are a sign hard to ignore. The insects are very good at flattening their bodies and can be very difficult to find because they can run very quickly. Pest control professionals are usually required to make positive identification and speciation. They use physical inspection which is relatively difficult compared to the use of canines. Yes canines (dogs)! These specially trained dogs are very good at identification, especially useful in larger buildings such as dormitories and hotels, since they can identify infested rooms individually to avoid overtreating the entire building.

Remediation historically used a variety of insecticides but a new method is becoming increasingly popular: thermal

government officials, familiarity with LEED has increased significantly among survey respondents since the same question was asked in the 2007 Green Building Survey. The survey found that a majority of both corporate and developer respondents report that they believe LEED to be an effective system for energy savings and environmentally-friendly buildings.

SOURCE: [2009 Green Building Survey](#) (Conducted by National Real Estate Investor and the U.S. Green Building Council)



QUESTION: My building's mechanical systems have outlived their useful life and are frequently breaking down. I believe equipment replacements are needed in the near future, but I have little or no capital to work with right now. How can you help?

ANSWER: As a Linc Service Contractor, [Thayer Corporation](#) can help reduce and stabilize the cost of running this equipment through their fixed-cost Guaranteed Programs. This may be accomplished through reduced breakdowns, extended equipment life, and reduced energy usage. Working in conjunction with the customer, [Thayer Corporation](#) can map out a scheduled replacement timeline. Customers say this accomplishes the following:

- Peace of mind in knowing that their current operating costs are fixed
- Thorough analysis of the condition of their systems
- Breathing room to allow them to budget for equipment replacement when capital becomes available

remediation.

Thermal remediation consists of warming the interior of the house and/or infested furnishings and contents to approximately 135 deg F for a period of approximately five to six hours. During this heating process the interior temperatures are monitored and logged continuously to assure a thorough kill. Room heaters powered by either a remotely connected electric generator or gas-fired heaters are typically used to generate the heat in various sections of the building and supplemented with high velocity circulating fans to homogenize the temperature. The goal is for all contents that could harbor bugs and/or eggs to reach the desired temperature for the bake out period. Sometimes, especially in hotels or dormitories, the contents of the room are removed and placed in a large box truck outdoors equipped with a high-powered heating system. This is easier than "cooking" the room depending upon the number and size of the infested rooms.

This is where Thayer Corporation comes in. As experts in the field of heating, cooling and ventilation, we were consulted to offer methods of improving this heating process. We have already identified several improvements to the process and are currently working on even more comprehensive enhancements.

Thermal Remediation has several advantages over traditional methods. While use of chemicals remains the most popular method, it requires a significant quantity of insecticide and it may be necessary to perform multiple applications as well over a period of time. It isn't unusual for applicators to dismantle furniture in order to get the chemical to all bugs and egg laying places. The chemical approach requires the applicators be licensed and well trained.

Vacuuming and steaming is yet another method of remediation. The affected areas are both steamed to kill the bugs and eggs and removed with HEPA vacuums. This method isn't as effective as other methods since the critters are very good at hiding in the smallest cracks and crevices. The other concern with the method is the potential damage may have to furnishings and the wetting that can lead to mold and/or microbial growth.

And since we're a company working with many alternative energy sources, let me add that sometimes clothing and smaller furnishings can be removed to the outdoors, bagged in black plastic bags and allowed to bake in the sun.

Regardless of the method(s) used to remediate an infested space the most important thing to remember is that the process is only as good as the weakest link. The kill must be thorough or the space will soon become reinfested. So the next time you send the kids off to bed a loving "good night, sleep well" might suffice.

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GREEN BUILDING ON THE RISE, GLOBAL GREEN BUILDING MATERIALS AND CONSTRUCTION ASSESSMENT REPORTS

According to a new report recently released by [SBI Energy](#), a division of Market Research.com who publishes research reports in the industrial, energy, building / construction, and



automotive / transportation markets, "green" building renovations / retrofits that promote energy-efficient usage will substantially increase through 2015, and potentially become the "new norm" in the building and construction industry. The report - [Global Green Building Materials and Construction, 2nd Edition](#) - provides a comprehensive assessment of green building materials and green construction; cost considerations that have limited growth; government incentives that have an effect on growth; consumer / business demand; potential opportunities for additional growth; and assessment of developing technologies for the green industry.

Green renovations currently account for approximately 7 percent of the total renovation market and are projected to increase to approximately 13 percent of the market by 2015. This sector's growth can be attributed to a number of underlying factors, including:

- Stimulus funding throughout the world for energy efficiency improvements
- Rising energy costs
- Diminishing fuel resources

[Thayer Corporation](#) provides the most energy-efficient HVAC solutions and will work with you to provide a customized program that can best fit your needs. Contact us today!

PILOT PROGRAM LAUNCHED TO HELP INCREASE COMMERCIAL BUILDING ENERGY SAVINGS



A new pilot program designed to further improve commercial building energy efficiency was recently launched by the [U.S. Environmental Protection Agency](#).

The [Building](#)

[Performance with ENERGY STAR program](#) is intended to help Utilities and State-run energy efficiency programs modify their financial incentives and technical support for their business customers in order to promote comprehensive energy upgrades for buildings.

Several elements of the program, which follow the EPA's Home Performance with ENERGY STAR program, include:

- Incorporating use of the [EPA's Portfolio Manager](#) (the agency's online energy measurement and tracking tool, to score building performance)
- Approaching energy efficiency opportunities in the context of findings from whole building assessments
- Creating a comprehensive delivery network for whole-building efficiency services

The pilot is being launched with ENERGY STAR partners Com Ed, MidAmerican, National Grid, the New Jersey Board of Public Utilities, Pacific Gas & Electric, Southern California Edison, and Wisconsin Focus on Energy.

GREEN INITIATIVES

ENERGY SMART

COMFORT ZONES

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