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DID YOU KNOW?



According to the [2013 State of Our Schools report](#), it would take an estimated \$542 billion to ensure school buildings are in working order and meet today's education, safety and health standards.

MARKET TRENDS



LED Lights Outshine The Competition

EFFICIENCY	Least			Most
BULB TYPE				
LUMENS	STANDARD	HALOGEN	CFL	LED
450	40 W	29 W	9 W	8 W
800	60 W	43 W	14 W	13 W
1100	75 W	53 W	19 W	17 W
1600	100 W	72 W	23 W	20 W
RATED LIFE	1 year	1-3 years	6-10 years	15-25 years
SAVINGS	×	up to 30%	up to 75%	up to 80%

View a larger version of this image [here](#).

A new report by [Navigant Research](#) forecasts that the global market for outdoor and parking LED luminaires will grow from \$921M in 2014 to \$1.4B in 2021. But because the lifespan of LEDs is so much longer than that of conventional lighting, direct revenue from lamp and

Greetings,

The kids are back in school and summer will turn to fall in just a few days, are you prepared for the soon to be dropping temperatures? With a change in seasons, it is a best practice to schedule a preventive maintenance check-up for your HVAC systems. Contact [Air Temp Heating & Air Conditioning, Inc.](#) before the weather cools down.

This month's newsletter takes a look at the challenges confronting the nation's school facilities as well as offers upgrade and energy-efficient options to help reduce any company's operating budget.

Tips for Updating School HVAC Equipment

As commercial building codes and regulations mandate increasingly efficient commercial HVAC equipment, some manufacturers are going above and beyond by offering products that provide optimal occupant comfort and health while often far exceeding energy-efficiency requirements. While some building owners have the capital to make such investments when their HVAC equipment nears the end of its life cycle, many school districts are struggling just to pay for routine maintenance on their aging equipment and simply can't afford high-efficiency upgrades.



But, it doesn't have to be that way. According to the manufacturers that make equipment for schools, there are often many options available to districts looking to make those much-needed upgrades. Read more about the products and financing options available for schools [here](#).

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luminaire sales will decline after 2021.

Q & A



QUESTION: What finance options are available to help finance school HVAC and facility upgrades?

ANSWER: There are many types of incentives available from federal and state grants, tax credits and rebates to local bond issues and energy saving companies (ESCOs).

Dsireusa.org is the most comprehensive database of such programs to help schools identify which options are most applicable to them.

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Energy Efficiency, Advanced Features to Transform Building Automation Market

Worldwide, commercial and residential buildings account for 35% to 40% of total energy consumption. Building owners across the globe are increasingly adopting building automation (BA) systems to tackle rising energy costs, according to a report from Frost & Sullivan.

"Government regulations and policies designed to improve energy efficiency in buildings are driving the market for BA systems especially in North America, Europe, and parts of Asia-Pacific," said Frost & Sullivan Energy & Environmental Research Analyst Balaji Anand Sagar.

Analysis from Frost & Sullivan's Global Building Automation Market report finds that the market earned revenues of \$5.78 billion in 2013 and estimates it will reach \$7.28 billion in 2018. The data center and hospitality application segments are expected to experience rapid growth due to growing Internet penetration in emerging nations and the expansion of the tourism market.

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<http://www.achrnews.com/articles/127518-sept-1-2014-energy-efficiency-advanced-features-to-transform-building-automation-market>

GREEN INITIATIVES

ENERGY SMART

COMFORT ZONES