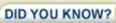
September 2014

In This Issue

Tips For Updating School HVAC Equipment Energy Efficiency, Advanced Features to Transform Building Automation Market





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.





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 <u>here</u>.

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 highefficiency upgrades.

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school-hvac-equipment

luminaire sales will decline after 2021.



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.

CONTACT US



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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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GREEN INITIATIVES

ENERGY SMART

market

COMFORT ZONES

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