



**A TYPICAL HOTEL WOULD NEED TO  
SELL AN ADDITIONAL 3,920  
DELUXE ROOM STAYS ANNUALLY  
TO EQUAL THE MONEY SAVED BY  
UPGRADING TO LED LIGHTING\***

Not only can hotels save energy by using energy efficient equipment, but there are additional positive effects on the overall revenue and hotel environment. Research shows by upgrading to energy efficient lights, heating, ventilation and air conditioning systems, the following benefits occur:

- Enhanced guest and staff safety and comfort
- Increased staff productivity
- Higher guest satisfaction scores
- Increased returning guest rate
- Lowered maintenance costs

**\* Based on a 2017 DNV GL study**

**“CUSTOMERS FEEL THE LOCATION  
HAS BEEN VISUALLY UPGRADED,  
CREATING A MORE POSITIVE  
EXPERIENCE AND MAINTENANCE  
STAFF ENJOY NOT HAVING TO  
DEDICATE THEIR TIME TO  
SIMPLE LIGHTING  
CHANGE OUTS”**

**- Minesh Patel, Operations Manager,  
Grandville Comfort Suites**

Consumers Energy offers rebates, technical services and more to help hotels like yours become more energy efficient. Our team is here to walk you through the program requirements and available resources.

**CONTACT US**

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# Hotels

## Hidden Benefits of Energy Efficiency



# Energy Efficiency Impacts in Hotels

The following non-energy improvements can result from upgrading to energy efficient equipment:



## Safety

For a hotel, staff and guest safety is a major priority. Installing LED lighting increases environmental visibility and reduces the chance of slips and falls by up to 60 percent. Upgrading to an energy efficient HVAC system improves indoor air quality by reducing damaging dust, mold and mildew.



## Comfort

The simplest way to improve staff and guest comfort is upgrading to energy efficient products. Studies show LEDs improve environmental light quality and improve productivity. In addition, hotels with newly upgraded HVAC systems report a 75 percent reduction of guest complaints.

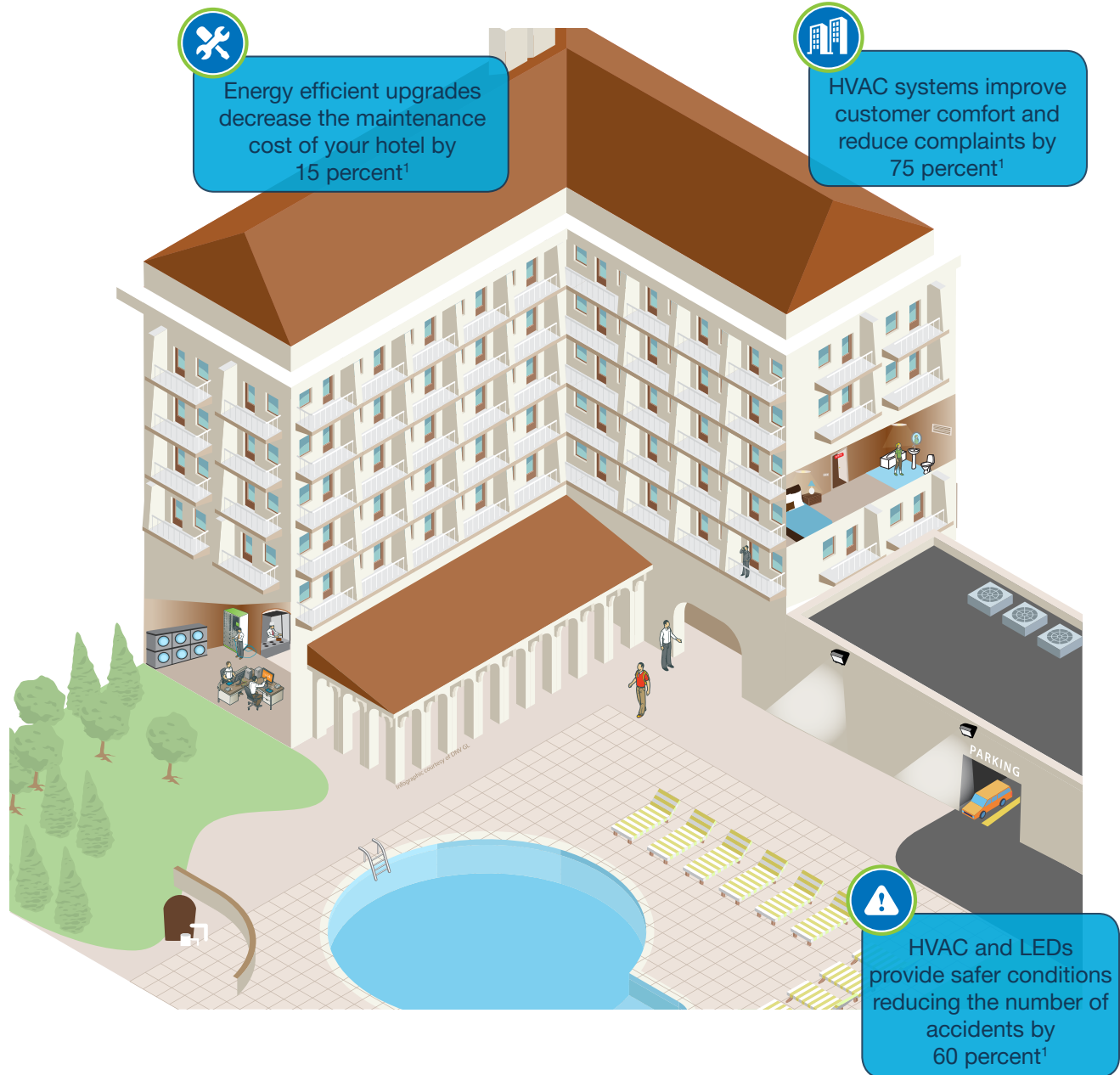


## O&M Cost Savings

Energy efficient HVAC systems and LEDs have a longer life cycle and decreases annual maintenance expenses by 15 percent.

## O&M Cost Savings

Equipment	Energy Savings	Non-Energy Savings	Total Savings	Energy Payback	Non-Energy Payback
Lighting	\$5,678	\$29,846	\$35,524	2.12 yrs.	0.34 yrs.
Air Distribution & Energy Recovery	\$11,898	\$0	\$11,898	2.04 yrs.	2.04 yrs.



1. Grand Traverse Resort and Spa Case Study. DNV GL, 2017