A typical hospital would need an additional 15 patient visits annually to equal the money saved by switching to LED lighting.*

Not only can hospitals save energy by using more energy efficient equipment, but there are additional positive effects on the overall revenue and environment of the hospital. By simply upgrading to LED lights and energy efficient HVAC systems, your hospital could see the following benefits. *

- Increased staff and patient comfort, safety and satisfaction.
- Decreased maintenance costs.
- Increased staff productivity by improving working conditions.
- Decreased equipment failure.

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

"We've [received] a tremendous amount of compliments and assurance from staff and family members that they feel a lot safer on property at night."

- Kevin Miller, Corporate Director of Facilities and Energy, McLaren Health Care

Consumers Energy offers rebates, technical services and more to help hospitals 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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ConsumersEnergyBusinessSolutions@cmsenergy.com

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March 2020

Hospital

Hidden Benefits of Energy Efficiency

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Energy Efficiency Impacts in Hospitals

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

Improved Environment

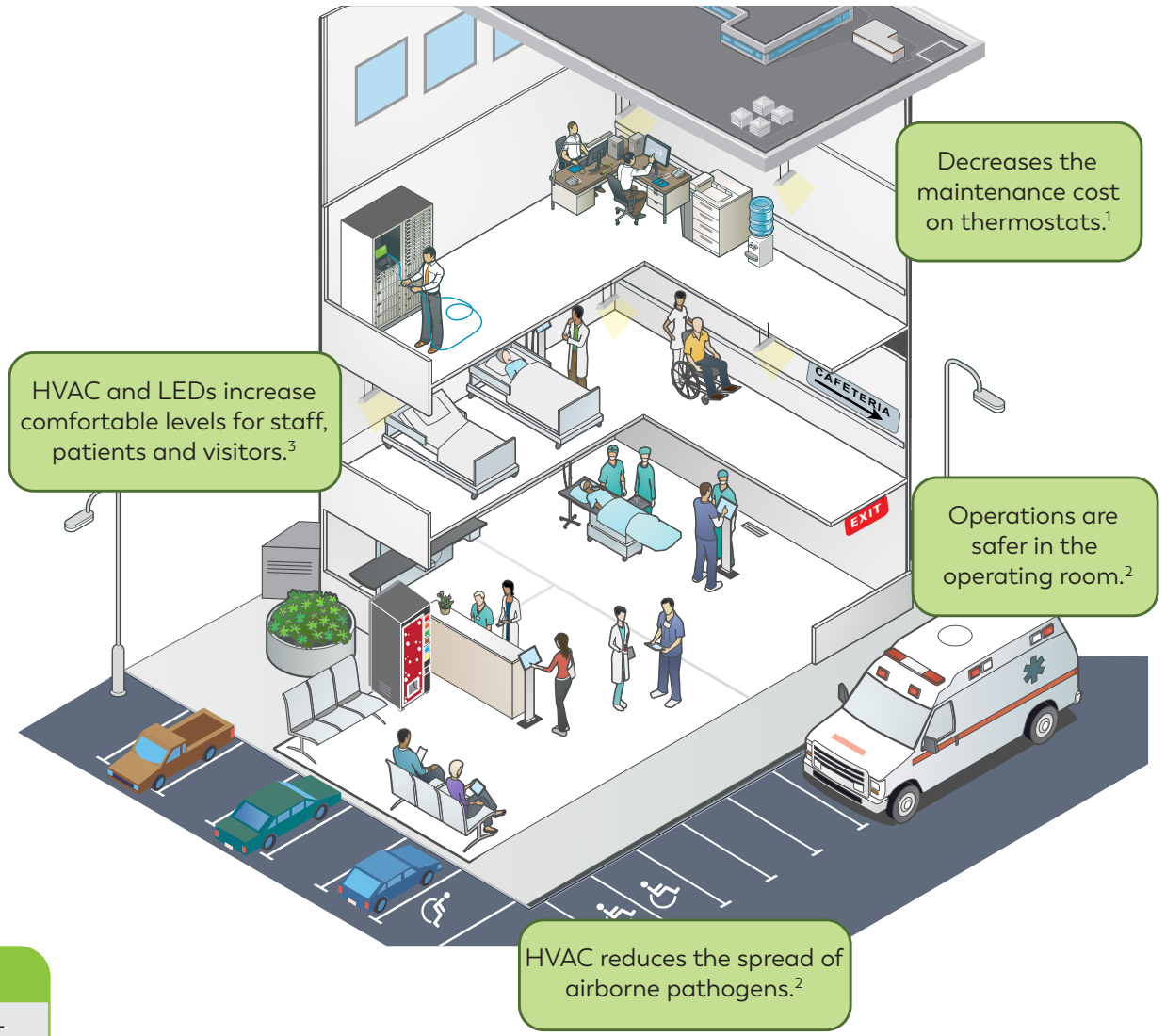
A failure or malfunction of any component of the HVAC system may subject patients and staff to discomfort and exposure to airborne contaminants. Cool temperature standards usually are associated with operating rooms, clean workrooms and endoscopy suites. Relative humidity levels greater than 60% promote fungal growth. Upgrading your HVAC system reduces these risks and improves patience and employees health.

Increased Comfort

Comfort is important, especially in health care facilities. Energy efficient HVAC systems are designed to maintain the indoor air temperature and humidity at comfortable levels for staff, patients and visitors. LEDs improve patient health by reducing agitation and lessen staff stress during night shift hours.

Increased Safety

Safety is the main priority in health care facilities. Exterior LEDs can enhance security by providing useful and even light distribution. HVAC system delivers safer conditions in operating rooms since surgeons can control the temperature and humidity creating.



O&M Cost Savings

Equipment	Energy Savings	Non-Energy Savings	Total Savings	Energy Payback	Non-Energy Payback
Lighting	$1,615	$1,553	$3,169	2.78 yrs.	1.42 yrs.
Compressed Air	$3,843	$349	$4,192	2.13 yrs.	1.95 yrs.
HVAC & Heating Equipment	$11,141	$0	$11,141	5.65 yrs.	5.65 yrs.

1. Non-Energy Impact Marketing Analysis by Industry, Special Cross Sector Research Area[PPT]. (2014). DNV GL.
2. Guidelines for Environmental Infection Control in Health-Care Facilities: Recommendations of CDC and the Healthcare Infection Control Practices Advisory Committee (HICPAC) February 15, 2017.
3. "The Impact of Light on Outcomes in Healthcare Settings." The Center for Health Design. 2006. Robert Wood Johnson Foundation.