



A typical office would save \$13,000 annually from their budget by switching to led lighting*

Not only can offices save energy by using more energy efficient equipment, but there are additional positive effects on the overall revenue and environment of the office. By simply upgrading to lights and heating, ventilation, and air conditioning systems the following benefits can occur:

- Worker and customer comfort, safety and satisfaction
- Quality of energy efficient products decrease maintenance cost
- Increased worker productivity
- Decreased equipment failure

* Based on a 2017 DNV GL study

“... [With] the sensor switches in our smaller rooms we on so nobody has to do a light check at the end of the day.”

- Cheryl Postma, Director,
AuSable Valley Animal Shelter

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

Contact us

888-674-2770

BusinessEnergyEfficiency@cmsenergy.com



1/2025

Office

Hidden Benefits from
Energy Efficiency



The Impacts of Energy Efficiency in Offices

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

Productivity

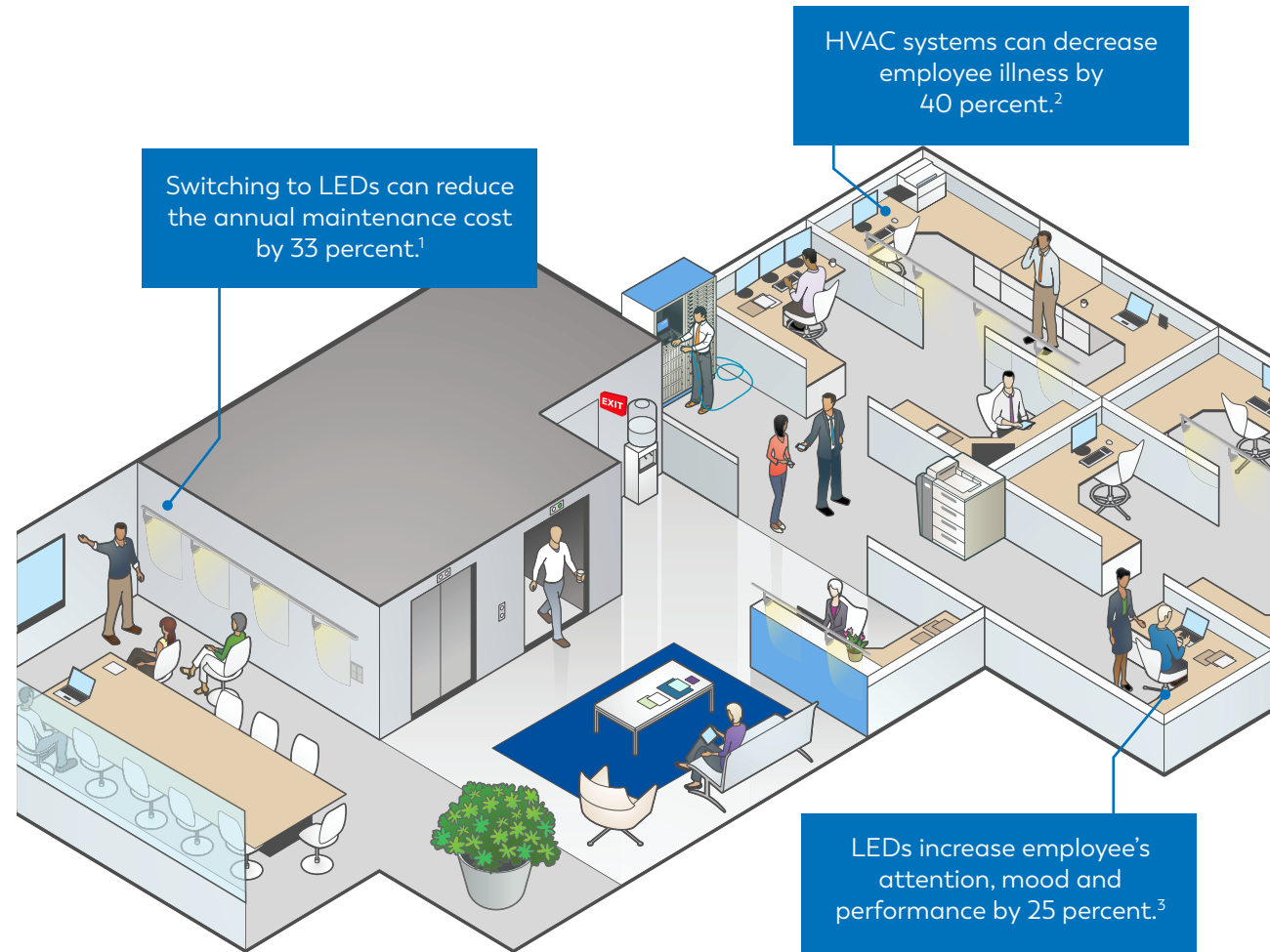
Worker productivity in the office is very important, the way to increase this can be as simple as upgrading to efficient lighting. Natural daylight increases the productivity of workers. LEDs can simulate natural lighting. LEDs increase employee's attention, mood and performance by 25 percent.

Increased Health

No one gets work done when they are at home feeling sick. Others can't afford to stay home and come to work and spread the illness. Switching to an energy efficient HVAC system improves the indoor air quality and reduces the number of office illnesses by 40 percent.

O&M Cost Savings

In an office setting, scheduling maintenance visits can take time away from employees performance. Switching to LEDs reduce your office maintenance cost annually by 33 percent due to LEDs longer life.



O & M Cost Savings

Equipment	Energy Savings	Non-Energy Savings	Total Savings	Energy Payback	Non-Energy Payback
Lighting	\$1,631	\$11,459	\$13,090	2.08 yrs.	0.26 yrs.
VFD	\$53	\$0	\$53	2.11 yrs.	2.18 yrs.
HVAC & Heating Equipment	\$3,892	\$0	\$3,892	2.24 yrs.	2.29 yrs.

1. 2014 PowerPoint presentation, Non-Energy Impact Marketing Analysis by Industry, Special Cross Sector Research Area [PPT]. (2014). DNV GL.
 2. Carnegie Mellon, 2005.
 3. Natural Light and Productivity: Analyzing the Impacts of Daylighting on Students' and Workers' Health and Alertness Int'l Journal of Advances in Chemical Engg., & Biological Sciences (IJACEBS) Vol. 3, Issue 1 (2016) ISSN 2349-1507 EISSN 2349-1515 N. Shishegar, M. Boubekri
 4. Eo, Ik-soo and Keum-yeon Choi. "Study of learning by Changing the Color-Temperature LED Lamp." Honam University, Gwang-Ju City, Korea. International Journal of Multimedia and Ubiquitous Engineering. Vol. 9, No 3 (2014). Pp. 309-316.