

Increase Production and Reduce Maintenance Costs with Energy Efficient Upgrades

For products with distinct sub-processes and sub-products like electronics, machinery and vehicles



Research¹ shows energy efficient machinery, roof installation, high-quality lighting and occupancy sensors can:

- Increase production.
- Decrease maintenance costs and material waste.
- Increase employee productivity and retention.
- Improve employee comfort and safety.

Worker productivity declines **11%** in temperatures below 60° and **9%** in temperatures above 95°².

Count on us to help you save

Help is available for manufacturing companies like yours to be more energy efficient. Consumers Energy offers rebates, lowering the cost of energy efficient upgrades. Our team is here to walk you through the program and available resources.

Some of our offerings include:

- Free energy assessment.
- Special rates tailored to your business.
- Incentives and rebates with up to **\$30,000** of energy efficient equipment and labor.

1. This document includes third-party research conducted to calculate non-energy benefits from energy efficiency upgrades for Consumers Energy customers in Michigan (2023) and secondary research.

2. Cai, Yu & Wang, *The impact of temperature on manufacturing worker productivity: Evidence from personnel data*, <https://www.sciencedirect.com/science/article/abs/pii/S014759671830204X>.

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Learn more at:

ConsumersEnergy.com/StartSaving

Consumers Energy

Count on Us®

Energy efficient upgrades have benefits beyond savings



VSDs/MFDs increase production, reduce maintenance costs, and extends lifespan by up to 30%².



Equipment failures can account for up to 44% of total maintenance costs³.



Upgraded HVAC systems can improve worker comfort, increasing productivity by as much as 11%, leading to improved employee retention¹.



High-quality lighting and occupancy sensors improve employee safety.

“We earned a customer this year because our competition was six weeks late on delivery. [...] The new machine] gives me the confidence to sell that I wouldn't have been able to sell with an old machine.”
-Michigan Manufacturer

1. Consumers Energy customer in Michigan (2023).

2. Relectric, How VFD's Save Money and Increase Production, <https://www.relectric.com/training/vfds-save-energy-and-increase-production/>.

3. Patael, Rajesh, Manufacturing Downtime Statistics, <https://gitnux.org/manufacturing-downtime-statistics/>.