TOP 5 WAYS TO SAVE ENERGY IN YOUR GREENHOUSE

Investing in energy efficiency upgrades can result in significant financial and maintenance savings for your farm. Try any of these top five opportunities from FOCUS ON ENERGY® to save money on your utility bills for years to come.

Heating and Cooling Systems

- Investing in climate controls can save as much as 40% on your utility bills.[1]
- Install a high-efficiency unit heater to bolster savings from climate controls.

High-Efficiency Lighting

- Choosing LED lamps and fixtures with higher lumens may allow you to install fewer lights.
- Incorporate controls to manage photoperiods and adjust lighting based on growing times.

Thermal Curtains

- Escaped heat through uninsulated walls or bare windows increases the load on heating systems.
- Install thermal curtains to maintain evening greenhouse temperatures and reduce heating costs by up to 40%.[2]

Variable Frequency Drives (VFDs)

- Gain greater operational flexibility by installing VFDs on irrigation well pumps to achieve up to 50% savings and extend the usable life of the equipment.[3]
- Install VFDs on your ventilation systems to reduce fan energy usage by 36%.[4]

Ventilation Fans

- Replace your fans with high efficiency models.
- Install a model on the Qualifying Product List to ensure minimum efficiency and quality standards are met. Visit **focusonenergy.com/qpls** for a list of eligible models.

Get Started:

1. Contact your Energy Advisor at **888.623.2146** or visit **focusonenergy.com/EA-Map**.
2. Review your facility's opportunities with your Energy Advisor.
3. Complete your energy efficiency upgrades..
4. Submit your application to your Energy Advisor within 60 days of project completion and receive your incentive check!

[1]Schwend, T. (2017, November). Energy-Saving Climate Control for Cultivating Greenhouse Ornamentals. Retrieved from Greenhouse Product News: https://gpnmag.com/article/energy-saving-climate-control-for-cultivating-greenhouse-ornamentals/#:~:text=The%20greatest%20savings%20are%20achieved,no%20loss%20of%20plant%20quality.
[2]Massachusetts Farm Energy Program. (2012). Massachusetts Farm Energy Best Management Practices. Retrieved from http://massfarmenergy.com/wp-content/uploads/2014/03/MFEP_BMP_Greenhouse_2012_ForWeb.pdf
[3]Agriculture Energy Efficiency Best Practices Guide. (2016). Retrieved from Focus on Energy: https://www.focusonenergy.com/sites/default/files/inline-files/Energy%20Efficiency%20Best%20Practices%20Guide-%20Agriculture.pdf
[4]Energy saving in agricultural buildings through fan motor control by variable frequency drives. (2007, July 30). Retrieved June 17, 2020, from https://www.researchgate.net/publication/223846494_Energy_saving_in_agricultural_buildings_through_fan_motor_control_by_variable_frequency_drives/link/5adc2792aca272fdaf85a642/download

REDUCING ENERGY WASTE ACROSS WISCONSIN

Focus on Energy, Wisconsin utilities' statewide program for energy efficiency and renewable energy, helps eligible residents and businesses save energy and money while protecting the environment. Focus on Energy information, resources, and financial incentives help to implement energy efficiency and renewable energy projects that otherwise would not be completed.

focus on energy®
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