



IMPROVING ENERGY EFFICIENCY

Energy efficiency includes any changes to reduce on-farm energy demand. An energy audit is a good place to start to identify where energy use is high and which areas could benefit from retrofitting. Installing energy-efficient lighting, ventilation or milking equipment will benefit the environment and reduce energy consumption costs. Energy-efficiency can also be applied to field practices, where adoption of reduced tillage reduces fuel use.

Implementation Tips

- Conduct an energy audit.
- Install energy-efficient lighting, ventilation and milking equipment.
- Minimize tillage on fields to reduce fuel usage.

Resources

- **Factsheet:** proAction Environment Resources, Dairy Farmers of Canada (dfc-plc.info/IEF1)
- **Factsheet:** Energy Efficiency on Dairy Farms, Government of Alberta (dfc-plc.info/IEF2)
- **Webpage:** Farm Lighting Energy Efficiency Checklist and Tips, Farm Energy (dfc-plc.info/IEF3)

Benefits



Reduced GHG emissions



Estimated return on investment
Medium



On-farm emission mitigation potential +

“The most logical and cost-effective time to adopt new technology or upgrade existing equipment, is at the end of the useful life of the equipment. Another time equipment changes may be cost effective is if the operation is expanding in size and new equipment is brought online.”

— Government of Alberta