

Energy Saving Tip

Outdoor Lighting

It's common that older outdoor lights are inefficient incandescent (tungsten-halogen) or mercury vapor lamps - outdoor lights that will withstand weather and temperature changes. One more efficient option, pictured here, is a pulse-start metal halide.

This 250 watt metal halide bulb will last approximately **13 years** and **save \$160.00 per year**. The light pictured was installed at a Whatley farm, with help from public utility and MFEP incentives, resulting in a **2 year payback** and better light quality according to the farmer.

A halogen lamp can be replaced with any of the following depending on the application: CFL, HPT-8, pulse start metal halide (PSMH), LED, or a high pressure sodium lamp. These light fixtures will **reduce energy usage by 60–75% compared to a halogen light**.

Finally, in typical yard lights, about 30% or more of the light goes sideways or up. This increases the wattage required to light outdoor spaces.

Consider a full cut-off parabolic reflector such as the Hubbell Skycap to increase the amount of light that reaches the ground (by up to 50%).



An outdoor metal halide fixture can save as much as \$160 per year.

Efficiency projects save an average of *2.5 times more* energy than renewable systems generate per dollar invested. Take advantage of possible savings by working with your utility provider or reading through our *Farm Energy Best Management Practices Guides*.