

NWE LED Street Lighting Retrofit

Cost Savings

NWE estimates that changing 234 NorthWestern owned street lights in Red Lodge to LED will save **\$9,000/year**. This means City spending on streetlights will decrease from \$43,081/year to about \$34,081/year.

Energy/Emissions Reduction

NWE estimates this retrofit will save about 86,388 kWh/year. This has a carbon dioxide equivalent of 61 metric tons (mtCO₂e). This is the equivalent of:

-150,000 miles driven a year

-21 tons of waste recycled instead of sent to the landfill a year

This retrofit will reduce the City's total mtCO₂e emissions by 3%, which is a significant step toward the Energy Conservation Plan goal of reducing emissions to 10% of 2016 levels by 2021.

What about City-owned streetlights?

14 Decorative Lights on 3rd-8th Street on Broadway: The Public Works Director, Energy Corps member, and NWE collaborated to identify and install bulbs to replace the 19 lights that were out on 3rd-8th street to make sure the lights' color matched the NWE-funded retrofit on Broadway, 8th-14th streets.

Other City-Owned Lights: The City of Red Lodge owns the 14 decorative lights on 3rd-8th St on Broadway, 4 Lion's Park Ice Rink lights, and 1 Pride Park light. With the exception of Pride Park, these lights are already LED. In 2020 NWE will provide the City of Red Lodge with data on which lights they replaced with LED, which will make it easier to identify additional City-owned lights we can retrofit to LED.

For more information, contact the Energy Corps Sustainability Coordinator at energycorps@cityofredlodge.com