

Attic Insulation Management Plan



Project Concept:

Increasing the amount of insulation in a building's attic is one of the most cost-effective ways to decrease energy loss. Inadequate insulation results in energy waste by making heating and cooling equipment work harder or longer to keep the building at a comfortable temperature. This energy waste results in higher energy bills.

At City Hall, R49 insulation was added to the attic in March of 2018. This was recommended to the City by NorthWestern Energy in an energy audit that they performed in 2016. Energy Star recommends R49 attic insulation for people who live in Montana's temperate zone.

Location:

Red Lodge City Hall
1 South Platt
Red Lodge, Montana

Installed Items:

R49 Blow-In Blanket Insulation

Installer Information:

CC Insulation and Urethane Inc., Colton Gabel
1300B Lockwood Road
Billings, MT 591001
(406) 245-3636 colton.ccinsulation@yahoo.com

Funding:

The City purchased and installed R49 insulation for a total of \$882.35. Funds were pulled from the EnergyCorps Sustainability Coordinators allotted budget.

Monitoring Usage:

NorthWestern Energy Account Number: 713551-0

City Hall where the insulation was installed is on the meter that is listed above. A monitoring spreadsheet has been developed that will allow the City to track the energy and cost savings accrued due to this investment.

The monitoring spreadsheet is available online via Google Sheets and can be found at the link below:

https://docs.google.com/spreadsheets/d/1CeURahN9N6A2k_hlGF48MQIj2EpFrCUSh5WjvwlVe28/edit?usp=sharing

Community Impact:

The City will see significant monetary savings from this project. The increased insulation will also decrease the amount of energy used and lessen the amount of greenhouse gases that City Hall emits. It will also make the building more comfortable for those who work in it and for the community when they attend council meeting or visit City Hall.

Maintenance Plan:

Attic insulate requires essentially no maintenance once it is installed. Should a problem arise, a member of the Public Works Department could easily enter the attic through the City Planners closet entrance and investigate.