

PROJECT INFORMATIONProject Name: **Electric System Rehabilitation and Improvements**Project #: **ELE102**Year First Shown in CIP: **2020**Funding Status: **Partially Funded**Is this a Budget Amendment? ☒Amendment Date: **09/28/2021****PROJECT DESCRIPTION:**

This is the Electric Utility's asset management project. There are three components to this project:

Proactive replacement of aging infrastructure. As routine inspections of electric assets are performed, results may reveal that a piece of equipment is beginning to show signs of deterioration that may lead to a future failure, and/or, when material failure rates of specific items begin trending in a direction that warrants action, a proactive replacement of the equipment or material is done.

Reactive replacement of infrastructure. Electrical equipment failures occur due to a variety of reasons. Whether it be a mechanical failure of a transformer, a motor vehicle accident that damages equipment, forces of nature, a wildlife electrical contact, or other causes, this project funds the repair or replacement of damaged electrical equipment as failures occur.

Asset Management System. Deployment of an asset management system to monitor critical electrical assets, tracking age, usage, and maintenance history. A utility asset management system relies on data analytics and condition based maintenance, minimizing the risk of equipment failure and maximizing equipment lifetimes. The \$150,000 unfunded amount in year 1 is for this system.

PROJECT JUSTIFICATION:

Asset management is a key strategy to maintaining a reliable, resilient and sustainable utility.

SUPPORTING ENVISION LONGMONT GUIDING PRINCIPLES AND FOCUS AREA ALIGNMENT:

- | | | |
|---|--|---|
| <input checked="" type="checkbox"/> GP1:Livable Centers,Corridors & Neighborhoods | <input type="checkbox"/> GP2:Complete, Balanced & Connected Transp Sys | <input checked="" type="checkbox"/> GP3:Housing,Services,Amenities & Oppt for All |
| <input checked="" type="checkbox"/> GP4:A Safe, Healthy, and Adaptable Community | <input checked="" type="checkbox"/> GP5:Responsible Stewardship of Our Resources | <input checked="" type="checkbox"/> GP6:Job Grwth & Economic Vitality-Innov & Col |
| <input checked="" type="checkbox"/> Sugar Mill / Highway 119 Gateway | <input checked="" type="checkbox"/> St. Vrain Creek Corridor | <input checked="" type="checkbox"/> Hover Street Corridor |
| <input checked="" type="checkbox"/> Midtown / North Main | <input checked="" type="checkbox"/> Area of Change | <input checked="" type="checkbox"/> Downtown / Central Business District (CBD) |

Other Related Plans:

Related CIP Projects:

PROJECT COSTS:

	2021/Yr1	2022/Yr2	2023/Yr3	2024/Yr4	2025/Yr5	Project TOTAL
	600,000	200,000	300,000	350,000	400,000	1,850,000

SOURCE OF FUNDS:

	2021	2022	2023	2024	2025	2021-2025 TOTAL
Funded						
Electric	450,000	200,000	300,000	350,000	400,000	1,700,000
Unfunded	Year 1	Year 2	Year 3	Year 4	Year 5	Unfunded TOTAL
Electric	150,000	0	0	0	0	150,000

LOCATION MAP:**VARIOUS LOCATIONS**