



Resolution to Purchase Town of Erie Xcel Energy Streetlights

Oct. 8, 2024



- Introduction
- History
- Community Benefits
- Acquisition Cost
- Financial Savings
- United Power Streetlights (update)
- Next Steps



History

- First discussion with Tanko Lighting occur in 2019.
- November 2020 Town wide audit was conducted.
- 2021 ownership negotiation process began.
- Acquisition and LED conversion costs budgeted for in 2024.
- Other communities exploring and engaging in this process:
 - Boulder
 - Centennial
 - Golden
 - Aurora
 - Winsor
 - Thornton
 - Broomfield

Community Benefits



Financial savings



**Decreased
energy
consumption**



**Increases
response time**



**Design
consistency**



**Allows for
additional uses:**

Cell tower boosters
EV charging
Holiday lights
Celebratory flags
Air quality sensors
Traffic control
sensors



Acquisition Cost

Project Costs

Utility Asset Purchase Cost (<i>estimated cost of utility streetlight purchase</i>)	\$827,426
LED Conversion Fees (<i>Material, Installation, Construction Management</i>)	\$603,275
Net Project Cost (<i>Grants/Rebates included</i>)	\$1,430,701

- Xcel Energy is an investor-owned utility company
- Regulated by the Public Utility Commission (PUC) of Colorado (versus non-regulated)
- Rate structure is directed by the PUC
- Details of the financial agreement are confidential



Financial & Energy Savings

Year 1 Analysis	Existing	New	Savings
Energy Usage [kWh]	444,721	202,520	242,201
Utility Bill Cost	\$134,334	\$12,022	\$122,312
Maintenance Cost	<i>Included in current Utility Bill Costs</i>	\$24,096	(\$24,096)
Total	\$134,334	\$36,118	\$98,216
20 Year Analysis	Existing	New	Savings
Energy Usage [kWh]	8,894,424	4,050,396	4,844,028
Utility Bill Cost	\$2,957,898	\$264,706	\$2,693,192
Maintenance Cost	<i>Included in current Utility Bill Costs</i>	\$824,591	(\$824,591)
Total	\$2,957,898	\$1,089,297	\$1,868,601

Note: Xcel Energy streetlights only



United Power (UP) Streetlights

- Rate negotiations continue with UP
- UP is a not-for-profit Rural Electric Cooperative
- Not regulated in the same way as a larger utility, i.e. their proposed rate is not regulated by the PUC



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Next Steps

- Filing with Public Utility Commission.
- In 30-80 days, acquisition proposal will be finalized, and streetlights can be purchased.
- Maintenance contract in process with Tanko Lighting for the first 2-5 years of streetlight ownership.
- Continue rate structure negotiations with UP.
- Develop Town of Erie streetlight standards and specifications for new development acquisitions.



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