

**TO: Mayor Angelo and Members of the Board of Trustees**  
**FROM: Aaron Caplan, Director of Utilities & Engineering**  
**DATE: 1 Mar 2022**  
**ITEM: Utility Update**

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ORDINANCE  
 MOTION / RESOLUTION  
 INFORMATION

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The project to underground the electric lines along Railroad from 2<sup>nd</sup> to 3<sup>rd</sup> went smoothly with no cost over runs. In the budget we had set aside \$40,000 in case something unexpected came up. Longmont was covering the quoted costs of the project but would not cover any overruns. Since this \$40,000 will not be needed for this project I am planning to use about \$25,000 for SCADA alarm upgrades at our substation. We have very little insight into the sub station and rely on our Line Contractors to monitor and advise of problems. In light of security concerns this project has moved towards the top of the priority list. It does not require design time and is ready to go. Attached are some details. Unless there are concerns and the Board would prefer me to hold off, in which case the price quote will expire, I will move forward.



# N Line Electric, LLC

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November 24<sup>th</sup>, 2021/ Revised February 21<sup>st</sup>, 2022

Town of Lyons  
Dougherty Sub

RE: Substation Alarms & Information

## Alarms:

- |                          |   |
|--------------------------|---|
| >Recloser (Fault)        | Recloser Operated/Open-Closed<br>Recloser Locked OPEN                       |
| >Recloser Battery        | Low voltage (Has separate battery within)                                   |
| >Circuit Switcher        | Opens   |
| >Regulator A             | Step Too High - Above set Parameters<br>Step Too Low - Below set Parameters |
| Regulator B              | Same as above   |
| Regulator C              | Same as above   |
| >Station Battery Charger | Not Charging  |
| >Station Battery Bank    | Low voltage   |

## Information Only>We call in for information

- |                          |  |
|--------------------------|--|
| >Recloser                | Status Open/Closed Trip count<br>Amperage/Voltage per ABC Phases                                 |
| >Regulator A             | Step Position<br>Step Count<br>Voltage Step Voltage (120?)<br>Voltage Source (7.6kv)<br>Amperage |
| Regulator B              | Same As above  |
| Regulator C              | Same As above  |
| >Station Battery         | DC Voltage 48 volts  |
| >Station Battery Charger | AC Voltage 120 volts   |