

Project Location(s):

Magnolia, MN 56158-4067

- 2020 Census Population: 196
- Census Tract Code: 271335703
- Block Group ID: 271335703001
- RUCA Code: 10

Chester, SD 5701-9998

- 2020 Census Population: 257
- Census Tract Code: 46079960300
- Block Group ID: 460799603002
- RUCA Code: 8

Steen, MN 56173-4040

- 2020 Census Population: 171
- Census Tract Code: 271335703
- Block Group ID: 271335703002
- RUCA Code: 10

Colton, SD 57018-9998

- 2020 Census Population: 738
- Census Tract Code: 46099010200
- Block Group ID: 460990102003
- RUCA Code: 2

Short Description:

Our team comprises Smart Grid Solutions (SGS), a US-based manufacturer of fault indicators; Sioux Valley Energy (SVE), the electric utility that services the communities listed in our project location; and Energy Product Sales (EPS), who will help facilitate communications between the partners. We plan to enhance the resilience and operational performance of electrical distribution systems in rural and remote regions. Our Fault Indicator System Project (FI System) aims to deploy an innovative wireless fault indicating system designed to fortify the infrastructure of the current electrical grid, expedite the restoration of clean power sources, and minimize damage to and duress on equipment. Our mission is to foster self-sustainability and strengthen the energy infrastructure across rural America, we aim to bring immediate impact to the proposed communities, and provide a replicable model for similar communities. We bring together a unique blend of industry experience and pre-established relationships, ensuring we are poised for successful project execution.

In the long term, our FI System provides a sustainable solution with minimal maintenance requirements, which will help play a role in advancing reliable electrical systems powered and supported by clean energy technologies. This project also empowers utilities with data that allows them to proactively identify and address transient faults. This will allow utilities to both minimize outage time as well as preventing future outages - prolonging the lifespan of the grid and helping to maintain a continuous supply of clean energy.