

Isabelle Substation Field Area Network Project Meeting Minutes

A neighborhood meeting was conducted by Public Service Company of Colorado (PSCo) for the Isabelle Substation Field Area Network (FAN) Project (Project) on August 20, 2019 from 5:30 p.m. to 7:00 p.m. at the Erie Community Recreation Center. PSCo was required to conduct the meeting as part of the permit process for the SPAA – 001050-2019 Site Plan Amendment and SRU-001049-2019 Special Review Use for the Isabelle Substation FAN Project.

As required by the Town of Erie, landowners within 500 feet of the Project were mailed a notice two weeks prior to the neighborhood meeting. The PSCo property was posted to provide notice of the neighborhood meeting in accordance with the Town of Erie requirements.

Call to Order

The meeting began at 5:30 in the Briggs Room of the Erie Community Center, located at 450 Powers St, Erie, CO 80516. Four information boards were placed on easels around the room. A fact sheet was provided at the sign-in table. PSCo requested attendees from the public sign in. The display boards, fact sheet and sign-in sheet are attached to this memorandum.

Attendees

Public Service Company of Colorado

- Jaxon Fagan, Agent, Siting and Land Rights
- Craig Eicher, Area Manager, Boulder Region
- Dell Covington, Project Engineer – Field Area Network (FAN)

EPG LLC (consultant for Public Service Company of Colorado)

- Maria Alvarez, Environmental Planner
- Keary Hallack, Senior Project Manager

Members from the Public

- Gary Osborne, Executive Pastor for the Calvary Bible Church

Discussion

Gary Osborne, Executive Pastor for the Calvary Bible Church (EST 2014), asked what the FAN Project would look like. He was shown a photograph of an existing FAN tower at another substation as well as a photosimulation of the proposed Project at the Isabelle Substation. PSCo staff explained that this Project will result in faster and more efficient service and shorter, better managed-outages by connecting the electric grid with new technologies that can send information to the PSCo control center. Mr. Osborne had no other questions specifically about the Project.

Mr. Osborne explained that the church had expansion plans. He inquired about the possible use of the substation access for joint access to the church. He also asked if a road leading from the substation access to the transformer on the north side of church property could be realigned. PSCo agreed to forward his requests to the appropriate representatives within PSCo in order to answer his questions specific to his property.

Closing

The meeting ended at 7:00 P.M.

Bringing Advanced Grid Intelligence and Security to Colorado

Xcel Energy's Field Area Network (FAN)

Xcel Energy is standing on the threshold of an energy evolution. A key component of this evolution is creating an interactive and modern grid that will deliver more of what Colorado customers expect from their energy company: cleaner, more reliable energy, more ways to save money, and a better customer experience. Our goal is to build Advanced Grid Intelligence and Security—"Advanced Grid"—to provide faster, efficient service and shorter, better-managed outages by connecting the electric grid with new, intelligent energy devices and technologies. The first step in our Advanced Grid was approved in June 2017 by the Colorado Public Utilities Commission and includes implementing our Field Area Network (FAN).

What is FAN?

The Field Area Network (FAN) is a wireless communications system that connects Xcel Energy's control centers with intelligent, integrated grid devices that enable remote monitoring and control of the electric grid.

How does FAN work?

FAN serves as the building block for private, fast, secure and two-way communication between our substations and field devices, including new advanced electric planned Advanced Metering Infrastructure (AMI). AMI includes many components, including new advanced electric meters for our Colorado customers.

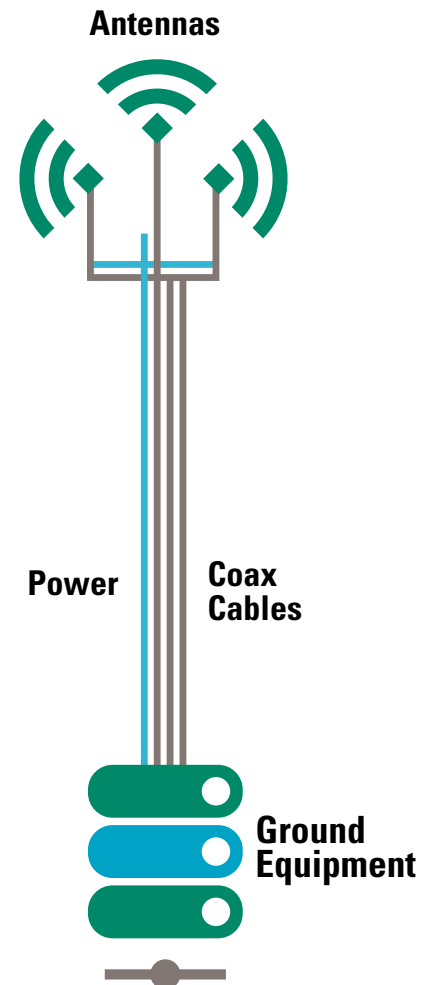
What are the benefits of FAN for Xcel Energy's electric customers?

FAN will enable two-way communication between various grid components. For example, intelligent switches installed on high-voltage lines will "talk" to each other over the FAN working to automatically isolate electrical faults and shorten electrical outages for customers. Sensors on field devices will pinpoint a disruption on a line reducing the time it takes to make the repair.

FAN enables a software application to regulate devices to manage overall system voltage and proactively prevent power losses across the grid, and helps control electric demand and customers' energy consumption. This software also will allow us to integrate more renewable, cleaner energy sources onto the grid. Additionally, when an advanced meter is installed on a customer's home, the FAN enables automatic notification to Xcel Energy when the residence loses or regains power. This will help us pinpoint outages and deploy repair crews in the most efficient manner possible.

How does Xcel Energy plan on implementing FAN?

Currently, we are working with cities in the metro area to launch our FAN network by installing FAN devices within our existing substations and other Xcel Energy-owned locations. Some equipment will attach to existing towers, while others will be installed on new monopoles. These FAN monopoles are similar to a cell tower, ranging in height from 75' to 120' with equipment installed on the ground level that is attached to antennas at the top using coax cables.



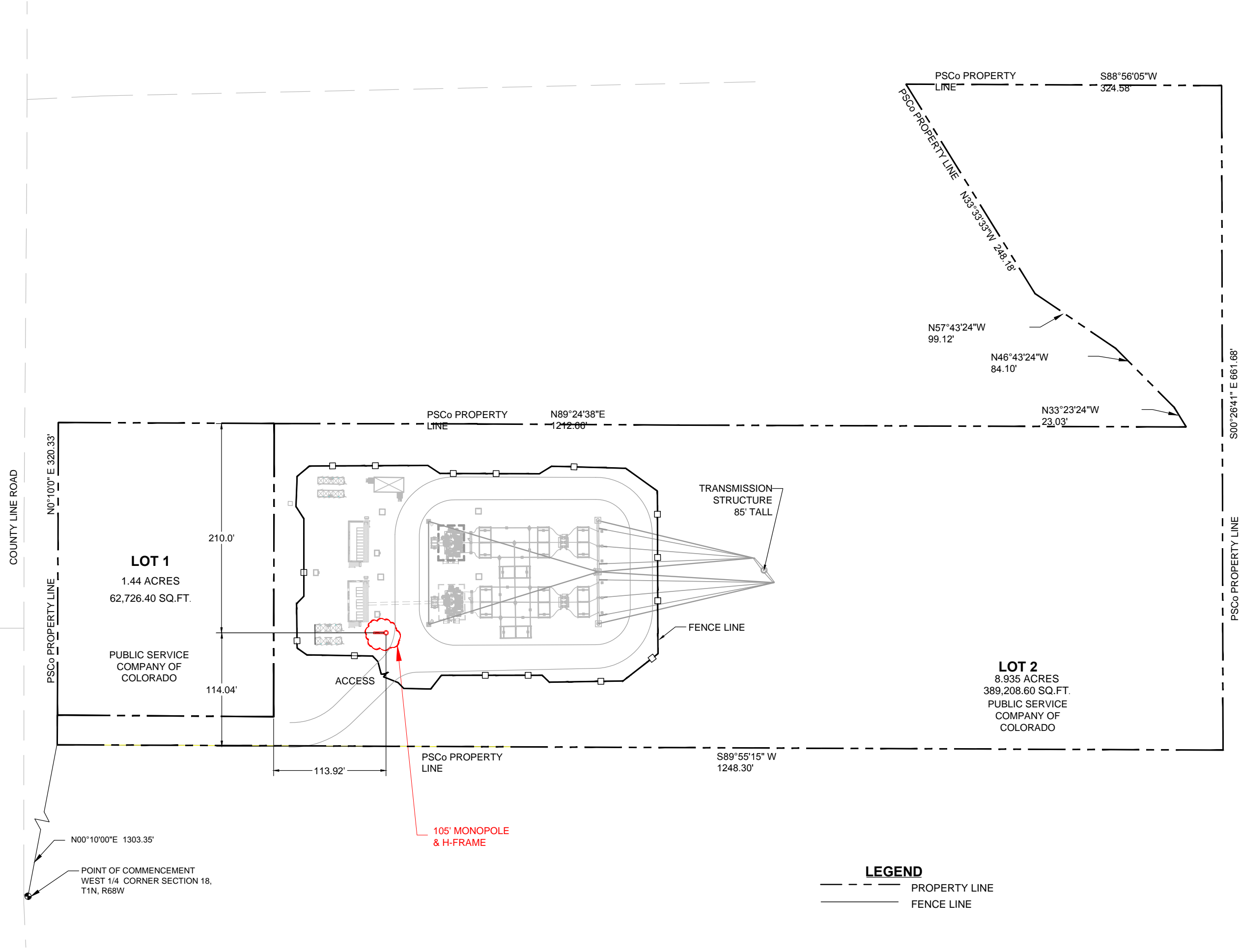
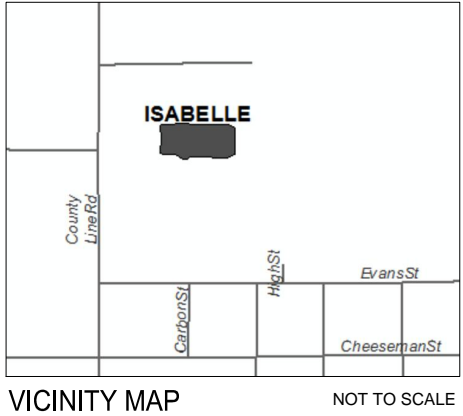
What are the other components of Advanced Grid?

Advanced Grid is Xcel Energy's long-term strategic initiative to transform the distribution grid into an intelligent, integrated network that securely, efficiently, reliably and safely integrates distributed energy resources. It will empower customers to track their electricity use and help them take advantage of energy and cost-savings programs. The FAN is a key foundational building block for this initiative.



PUBLIC SERVICE COMPANY OF COLORADO
ISABELLE SUBSTATION
FAN PROJECT

LOCATED IN LOT 2 OF SECTION 18,T1N, R68W
WELD COUNTY, STATE OF COLORADO
SPECIAL REVIEW PERMIT PLAN MAP

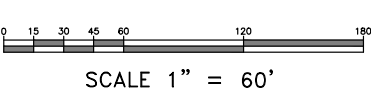


NOTE: THE INFORMATION CONVEYED BY THESE DRAWINGS
IS FOR REFERENCE PURPOSES ONLY
AND DOES NOT CONSTITUTE A LAND SURVEY.

ISABELLE SUBSTATION
905 County Line Road, Erie CO
80540



PUBLIC SERVICE COMPANY OF
COLORADO SITING AND LAND RIGHTS
1800 LARIMER STREET, SUITE 400
DENVER, COLORADO 80202
(303) 571-7799



ORIG. DWG.:
REV. BY: LFRIDMAN
DATE: 3/8/19
APPROVED: L. CLAXTON
DATE: 3/8/19

REVISION	DATE
SHEET	1 of 1





Example FAN Tower

Bringing Advanced Grid Intelligence and Security to Colorado

Xcel Energy's Field Area Network (FAN)

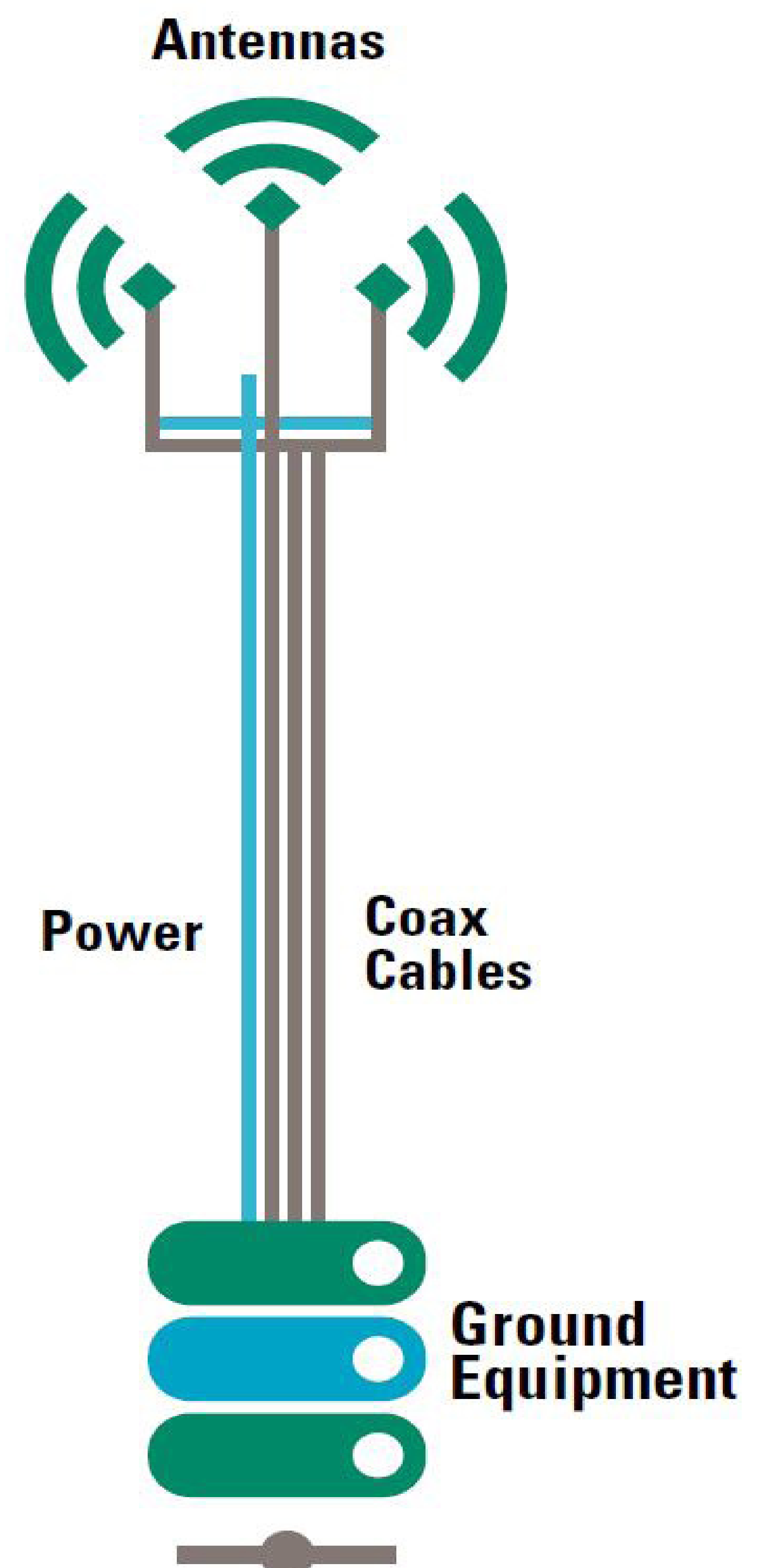
- Xcel Energy is creating an interactive and modern grid that will deliver more of what Colorado customers expect from their energy company: cleaner, more reliable energy, more ways to save money, and a better customer experience.
- Our goal is to build Advanced Grid Intelligence and Security—"Advanced Grid"—to provide faster, efficient service and shorter, better-managed outages by connecting the electric grid with new, intelligent energy devices and technologies.
- The first step in our Advance Grid was approved in June 2017 by the Colorado Public Utilities Commission and includes implementing our Field Area Network (FAN).

What is FAN?

- The Field Area Network (FAN) is a wireless communications system that connects Xcel Energy's control centers with intelligent, integrated grid device that enable remote monitoring and control of the electric grid.

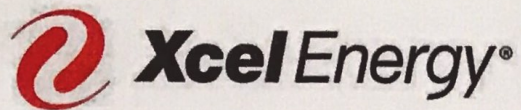
What are the benefits of FAN for Xcel Energy's Customers?

- FAN will enable two-way communication between various grid components.
- Intelligent switches installed on high-voltage lines will "talk" to each other over the FAN working to automatically isolate electrical faults and shorten electrical outages for customers.
- Sensors on field devices will pinpoint a disruption on a line reducing the time it takes to make the repair.
- FAN enables a software application to regulate devices to manage overall system voltage and proactively prevent power losses across the grid and helps control electric demand and customers' energy consumption. This software also will allow us to integrate more renewable, cleaner energy sources onto the grid.
- When an advanced meter is installed on a customer's home, the FAN enables automatic notification to Xcel Energy when the residence loses or regains power.



What are the other components of Advanced Grid ?

- Advanced Grid transforms the distribution grid into an intelligent, integrated network that securely, efficiently, reliably and safely integrates distributed energy resources.
- It will empower customers to track their electricity use and help them take advantage of energy and cost-savings programs.



Isabelle Substation Field Area Network Project Neighborhood Meeting
August 20, 2019 5:30P.M. – 7:00 P.M.

Erie Community Center
450 Powers St, Erie, CO 80516

	NAME	MAILING ADDRESS	PHONE NUMBER	EMAIL
1	Gam Osborne	615 EVANS ERIE CO 80516	303 442.3484	Gosborne@ calvarybible.com
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