ozarks ELECTRIC COOPERATIVE

City of Fayetteville Solar – Storage Project

Who We Are

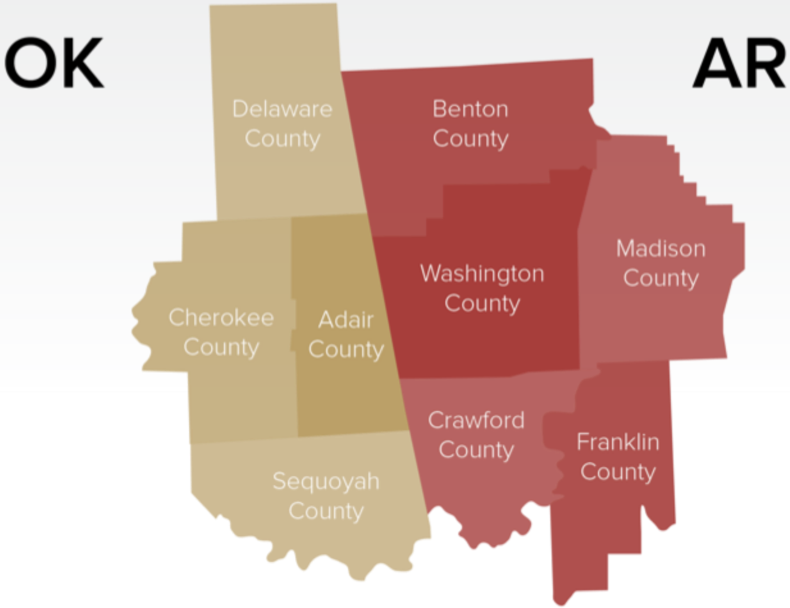
We’re not just an electric company, we’re a cooperative. **Your cooperative.**

Owned by the members we serve. **Our bottom line is our top line (revenue)**

Capital credit

Powering communities. **Empowering** members.

Quality of life business



Serve nine counties across **Northwest Arkansas** and **Northeast Oklahoma**

Four office locations

- Fayetteville & Springdale
- Stilwell & Westville

Regulated

- Public Service Commission (AR)
- Self-regulated (OK)

7 member elected directors

more than 78,000 meters

250+ employees who live in the communities they serve

Our Reach

more than **7,000** miles of line

7,000 miles is equivalent to traveling from New York City to Los Angeles 3 times.


Cooperative
Membership
Member
Satisfaction
Affordability
People
&
Culture
Safety
System
Reliability

Cornerstones of maintaining a healthy cooperative

Member Satisfaction

Affordability

People & Culture

Safety

System Reliability

ozarks
go

100% coop owned

all fiber network with
gigabit speeds

triple play services

7,000
miles
of fiber

35
employees

6 phased
construction

sustainability and
economic development

high speed and reliable
telecommunications
service

fiber infrastructure investment benefits

advanced metering
infrastructure,
smarter “smart grid”

$13 million dollars
per year


ozarks
NATURAL ENERGY
The power of the sun.
Powering your life.
ozarks
ELECTRIC
COOPERATIVE

City of Fayetteville Solar – Storage Project

City of Fayetteville Solar – Storage Project

- Energy action plan (EAP) - January 2018
  - 2030 goal of zero carbon footprint from all city government operations.
  - This project will accomplish 70 percent of COF goals
- Trilateral agreement between City of Fayetteville, Ozarks Electric and Today's Power
- Trilateral agreement is governed by 9 agreements/contracts
- COF agrees to purchase 100 percent of solar generation from TPI at set rate over life of contract
- TPI leases storage to Ozarks
- Ozarks will dispatch stored energy to grid during system peaks to reduce cost for all our members
- Entire project is made up of 5 systems
  - 3 solar farms and 2 battery storage facilities
- 87 acres at COF's two water treatment facilities

City of Fayetteville Solar – Storage Project

- 31,584 solar panels between the two sites that have a peak power output of 10 MW.
- These panels are built on a motorized sun tracking system that optimizes the solar production throughout day with an east to west travel.
- Construction began in March 2019 and fully commissioned and operational by mid July 2019
- During early morning, the energy from solar is used for charging storage, and grid energy is used to power water treatment facilities
- By 2 pm on system peak days batteries will be fully charged and available for dispatch to offset peak demand on our system.

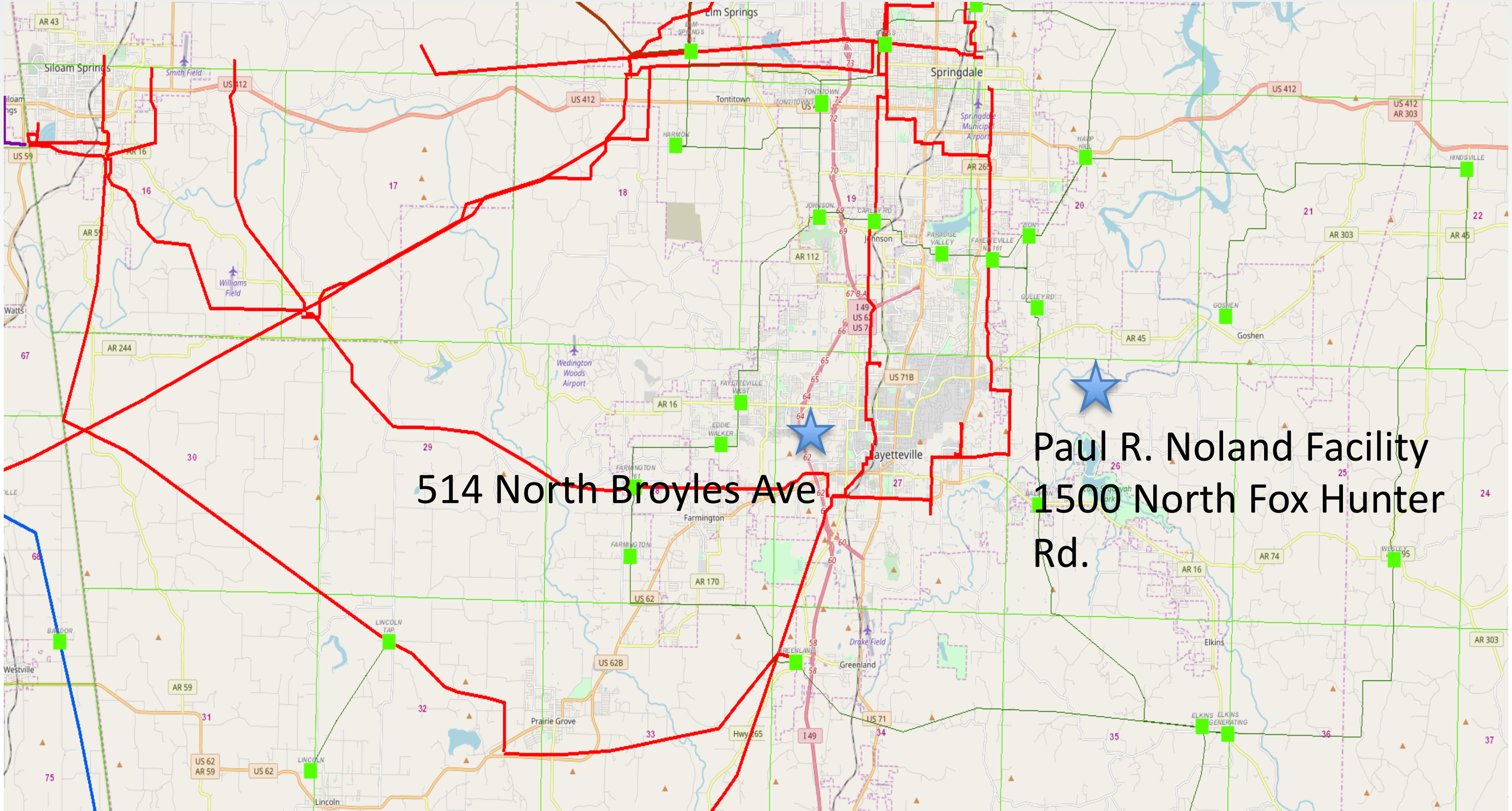
City of Fayetteville Solar – Storage Project

- 12 MW output
- 26.27 MWh capacity
- 3,456 Samsung Battery Modules
- There are 6 separate buildings (3 at each site)
- Lithium ion batteries
- Control System designed to maintain very tight specs on temperature and humidity
- 20 year projected life

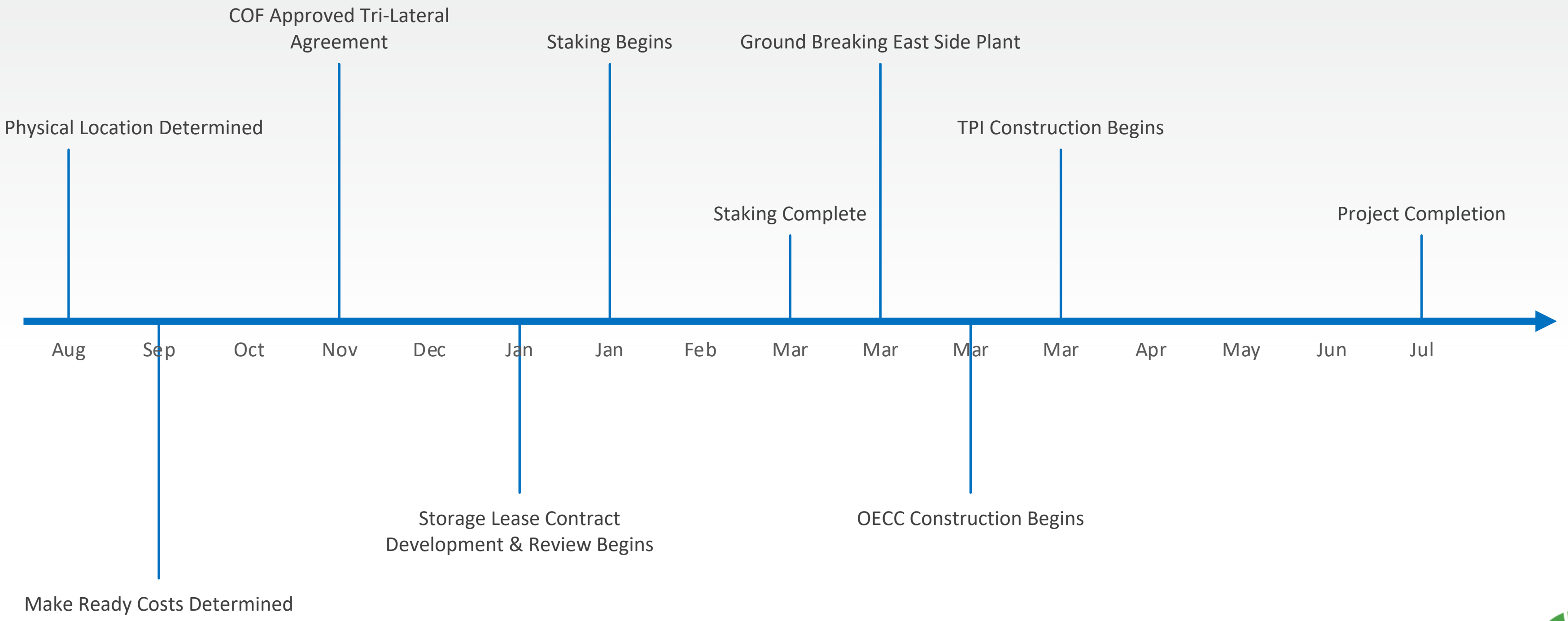
City of Fayetteville Solar – Storage Project

- Utility and net metering account interconnection and upgrades
- Tax exempt entities and ITC
- Today’s Power

Location of Solar Facilities

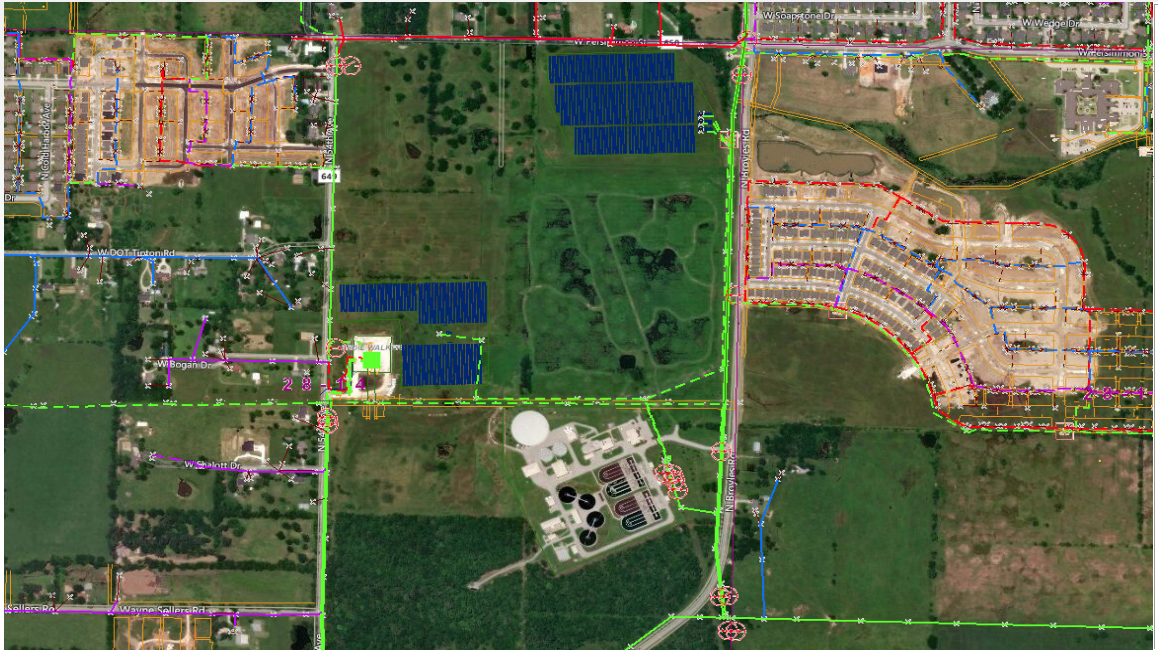


Project – Milestones/Timeline
2018-2019



East Side Treatment Plant

West Side Treatment Plant



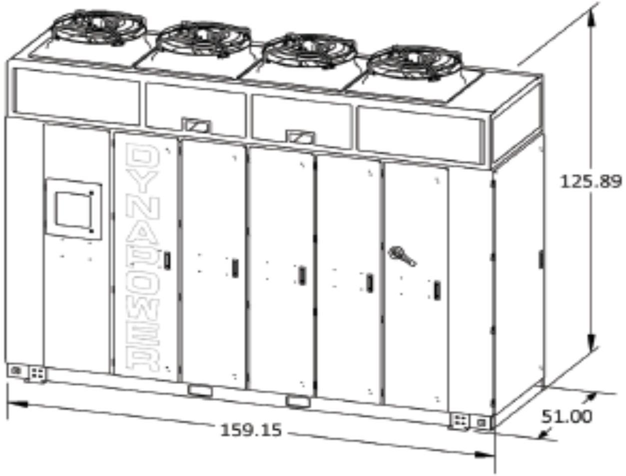
WETLAND AND WILDLIFE AREA

Energy Storage System

Battery Modules

Storage AC/DC Inverter

CPS™-2200



Certified System
ISO 9001

Designed and manufactured in

INPUT SPECIFICATIONS

DC Voltage	740 - 1100 VDC
Max DC Current	3100