



We Energize Life



Sooner DCS Modernization Project

Stabilize and Optimize Coal Power | Program Portfolio Kick-off

October 2026

Project Overview and Plant Background

Modernizing the Sooner Power Station Control System

Project identity

Location: Red Rock, Noble County, OK

Units: Sooner Unit 1 (1979) & Unit 2 (1980)

Capacity: 1,137 MW total (569 MW each)

Project Period: September 30, 2026 - December 31, 2028

Prime and sole awardee: Oklahoma Gas and Electric Company (OG&E)

Goal and technical need

Replace the legacy ABB 800xA DCS and modernize critical field devices

Address obsolete parts, aging wiring and pneumatic controls

Install Emerson Ovation DCS which is standard across the OG&E fleet

Preserve dependable, dispatchable baseload generation

Fuel and site context

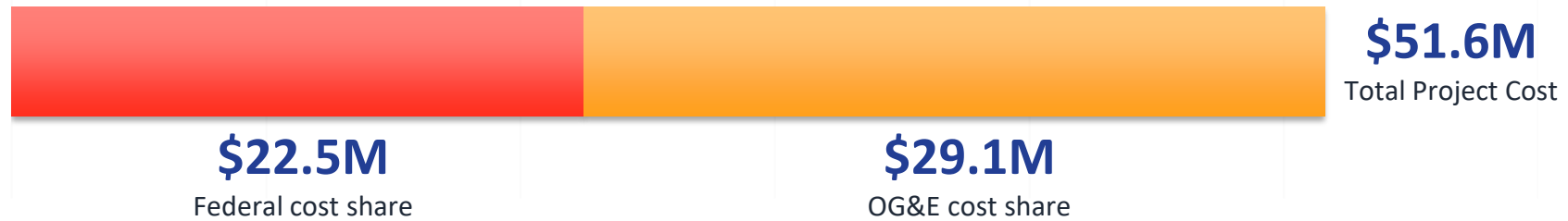
U.S.-sourced Powder River Basin coal

Rural site adjacent to Sooner Lake

Work occurs inside existing OG&E facilities

No new permits required for project

Funding Summary



Project Scope and Technical Approach

Control-system replacement, field-device modernization, and fleet standardization

DCA platform

Replace ABB 800xA with Emerson Ovation for Units 1 and 2.

Fault-tolerant network

Deploy redundant, fault-tolerant architecture and hot-swappable I/O

Cybersecurity

Modernize cybersecurity through enhanced authentication, active anti-virus, system hardening, and current security controls.

Field devices

Upgrade HART sensors, actuators, control valves, and turbine protection systems.

Operations intelligence

Use advanced pattern recognition to identify anomalies before trips.

Fleet standardization

Align with 13 existing OG&E Ovation units to improve operational efficiency through shared spares, reduced training, and easier technician transfers.

Intended outcomes

Reduced forced-outage risk and duration, improved maintainability, stronger cybersecurity, faster troubleshooting, and a foundation for future plant-life extension.

Intended Impact

Reliability, energy security, affordability, and regional benefits

Grid Reliability

- Reduce outage risk and duration
- Eliminates reliance on obsolete parts
- Resolves false alarms, brittle wiring, pneumatic failures
- Enhanced voltage support at a critical SPP node

Energy Security & National Interests

- Supports near-term load demand & U.S. competitiveness
- Powers Tinker, Altus, Vance AFBs and Fort Sill
- U.S.-sourced Powder River Basin coal from Wyoming
- Modernized workforce training & talent pipeline

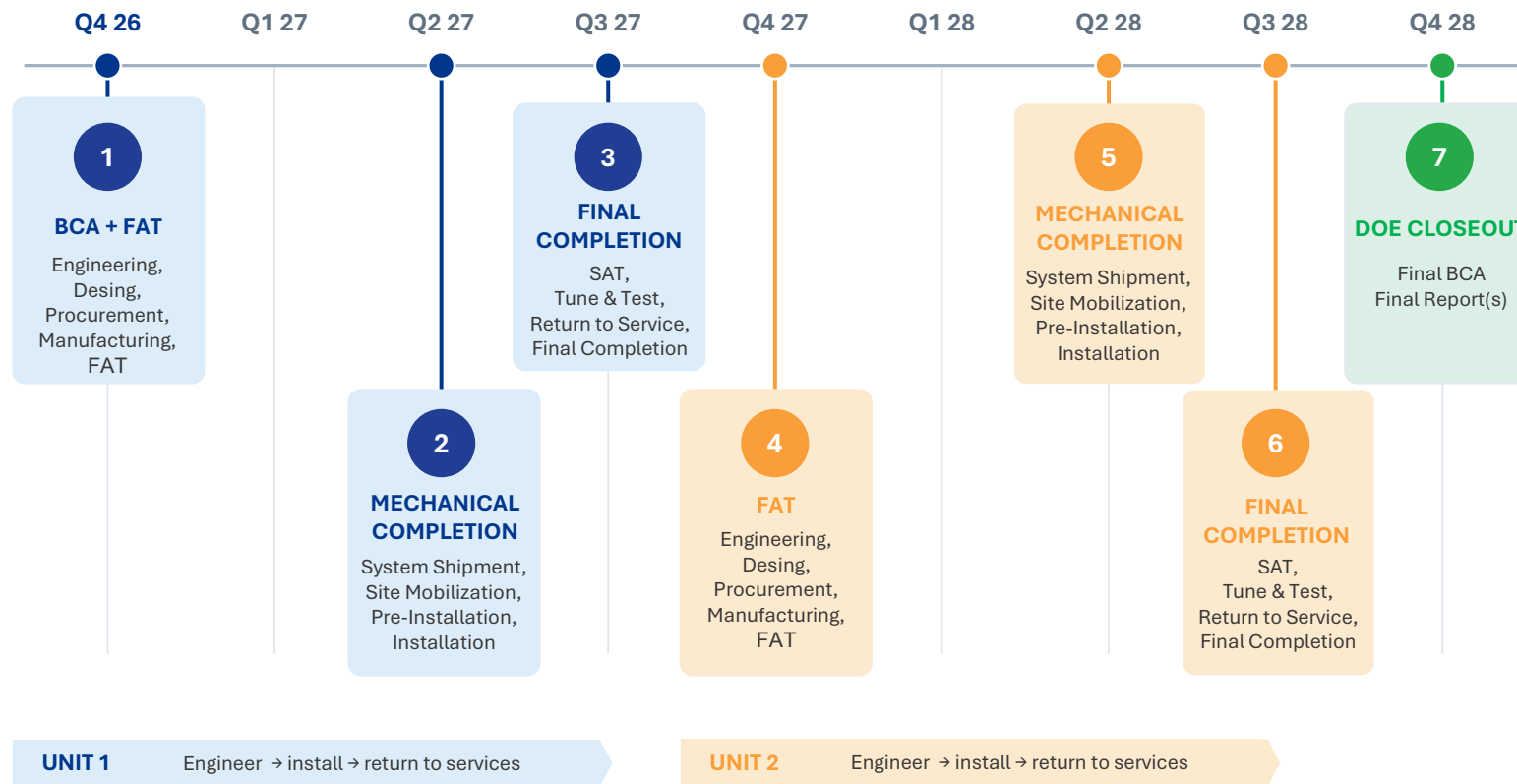
Affordability & Rural Communities

- Minimizes high-cost replacement power purchases
- Lower lifecycle O&M costs through standardization
- Local workforce engagement via OSU & internships
- Stabilizes customer rates over time
- Grant funding discounts project costs providing direct savings to customers

Project Schedule

DELIVERY PATH

Milestones positioned by planned completion quarter.



SUCCESS CRITERIA

Milestones

- 1&4** Initial BCA submitted and approved by DOE; Unit 1 & 2 FAT completion certificate
- 2&5** Unit 1 & 2 mechanical completion certificate; Review, removal of legacy control system equipment complete, new DCS and field devices are ready for commissioning
- 3&6** Unit 1 & 2 final completion certificate and report showing all items are completed and is fully operational
- 7** Final BCA approved by DOE; final report(s)

RISKS & MITIGATION

Outage window: detailed schedule, contingencies, SPP coordination

Engineering interfaces: dedicated EPC PM and OE oversight

Labor availability: pre-mobilization planning and outage manager

Technical performance: factory, site, and acceptance testing

DOE Acknowledgment and Disclaimer

Acknowledgment

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