



COBB EMC

Cobb EMC

RFP for Natural Gas Generators

Release Date: October 24, 2025

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Cobb EMC

Request for Proposals

1. Project Background

Cobb EMC is an electric membership corporation headquartered in Marietta, Georgia, serving nearly 230,000 electric metering points in Northwest Georgia. Cobb EMC is issuing this RFP to engage qualified firms for the engineering, procurement, and construction (EPC) of non-emergency, EPA-certified natural gas (NG) generators at multiple sites within its service territory. The project includes the installation of multiple generators totaling up to 28 MW under a turnkey pricing structure. Cobb EMC will provide construction-ready sites (see attached potential locations) including installation of step-up transformers (Yg–Yg), metering, and interconnection equipment on the 12.47 kV distribution system.

The NG generators will be used to reduce wholesale power costs through peak demand management and to improve system reliability and operational flexibility. Generators are could operate 100–250 times per year for 4–6 hours per event. These generators are not intended to be used as standby emergency backup power units.

The initial project phase will focus on 6 MW of capacity at the Cobb EMC campus, with additional phases at various substations as specified in the schedule under “Potential Substation Sites.

2. Scope of Work

The EPC contractor shall furnish all labor, materials, equipment, and services necessary for a complete and operational installation, including:

2.1 Engineering and Design

- Front-End Loading (FEL) & Basis of Design (BoD) deliverables including conceptual layouts, load studies, and design assumptions.
- Detailed Design Package with construction-ready one-line diagrams, grounding design, control schematics, and physical layouts.
- Power System Studies including short circuit, protective device coordination, arc flash, and load flow analysis.
- Coordination with Cobb EMC for DERMS/SCADA integration, interconnection design, and protection schemes.

2.2 Equipment Supply and Installation

- Provide and install natural gas generators (nominally 2 MW per unit, alternate sizes permitted) to meet total site capacity.
- Design and install associated switchgear, controls, and communication systems.
- Coordinate with gas utilities for service verification (minimum 5 PSI pressure).

2.3 Controls and Integration

- Supply an Energy Management System (EMS) capable of remote operation, monitoring, and control of all generators.
- Integrate with Cobb EMC's SCADA/DERMS using DNP3 or IEC 61850 over secure TCP/IP.
- Provide cybersecurity controls in accordance with NERC CIP principles.

2.4 Construction, Testing, and Commissioning

- Perform all site preparation, permitting, foundations, and interconnection up to the low-voltage (LV) side of the step-up transformer.
- Conduct full functional and performance testing (kW/kVA verification, reliability, emissions compliance).
- Provide complete as-built documentation and relay settings, for Cobb EMC personnel.
- As built drawings should include One-line diagrams of the generator systems and their interconnection up to the LV side of the step-up transformer, protective relay settings, emission certificates, etc.
- Provide Network communication diagrams and other relevant technical drawings.

2.5 Training

- Provide comprehensive on-site training for Cobb EMC personnel on system operation and maintenance, and O&M manuals.
- Supply all associated training materials, documentation, and system manuals.

2.6 Deliverables and Milestones for Phase 1 - 6 MW Cobb EMC Campus

- Provide a comprehensive list of deliverables, milestones, and project schedule for the phase 1- 6 MW Cobb EMC campus project including but not limited to site survey, preliminary and final design package, interconnection, recommended power system studies and analysis, protective device settings, site acceptance testing, commissioning, etc.

3. Technical Requirements

- **NG Generator Unit Size:** 2 MW but other sizes can be proposed depending on site location desired total capacity
- **Fuel Type:** Natural Gas
- **EPA Certification:** Required for non-emergency use
- **Pressure Requirement:** 5 PSI
- **Main Purpose:** Peak Shaving/Energy Arbitrage
- **Integration:** Compatible with Cobb EMC's DERMS/SCADA systems
- **Energy Management System:** For remote monitoring and operations
- **Air Permitting Information:** Provide Natural Gas Generator Specifications for Air Permitting, as required by the Environmental Protection Agency (EPA) and Georgia Environmental Protection Division (EPD). Examples of required specifications are as follows:
 - a. Lean or rich burn natural gas engine

- b. 4-stroke or 2-stroke engine
- c. Specifications for any integrated air pollution control devices
- d. Emission Standards (e.g, EPA Part 60 Subpart JJJJ)
- e. Emission Certifications (e.g., formaldehyde emission rate)
- f. Input capacity (mmbtu/hr)
- g. Fuel consumption rate (scf/hr)
- h. Details of the exhaust stack, including disturbances and dimensions, and exhaust cap.
- i. Other pertinent information as required by the permitting agency (EPD) during the permitting process.

4. Communications

- Bidders may submit written questions concerning this RFP to the following email address: manish.murudkar@cobbemc.com, no later than 5:00 pm EST Friday, November 11, 2025.
- There will be no opportunity afforded to a bidder to refresh or revise its initial proposal on its own initiative or in the event revised site location requires proposal updates unless Cobb EMC request proposal or bidder determines they can offer a more competitive bid. However, any updated bid must be received prior to RFP deadline.

5. Additional Information

- This RFP is not an offer or a contract. Cobb EMC reserves the right to accept or reject any or all proposals and are not obligated to contract for any of the products/services described in this RFP. Many factors will be considered in the selection process. Cobb EMC may at its sole option determine to revise this RFP at any time or extend the schedule or cancel any future planned deployment. All Respondents, by submitting a proposal, agree that they will not seek any legal recourse against Cobb EMC for rejection of their respective proposal, or for any other matter related to actions or inactions on the proposal.
- The submission of a proposal to Cobb EMC shall constitute a bidder's acknowledgment and acceptance of all the terms, conditions and requirements of this RFP.
- Proposals that meet the requirements of this RFP will be considered responsive to this RFP. Non-responsiveness is a basis for rejecting an offer.
- All proposals must be properly completed and submitted by the required date. Late or incomplete bids may be rejected.
- Complete information is needed to facilitate a timely evaluation. Issues that the bidder prefers to finalize later must be identified. Cobb EMC, in its sole discretion, may choose to exclude non-specific offers from further consideration.
- Bid prices must include all costs that Cobb EMC will be expected to pay for the natural gas generators and installation. Attempts by a bidder to increase its price after the bid is submitted will be grounds for rejection of the bid.

6. Schedule

The schedule below shows the deployment of 6 MW total capacity of NG generators at the Cobb EMC campus.

Cobb EMC Campus	Dates
RFP Release Date	10-24-2025
Questions Regarding RFP Deadline	11-07-2025, no later than 5:00 PM EST
RFP Response Date	11-14-2025, no later than 5:00 PM EST
Short List Decision Date	11-21-2025 estimate
Winner Announced	11-28-2025
Finalize EPC Agreement	12-12-2025
Contract Execution	12-19-2025 estimate
Project Kickoff	01-05-2026
Project Commissioning/Commercial Operations Date	11-30-2026

The schedule below outlines planned deployments at additional sites. Final locations and total installed capacity may vary based on natural gas line availability.

Potential Substation Sites	Capacity	Dates (Estimate)
Bells Ferry Rd Substation	Total 8 MW	October 2027
Acworth Rd Substation	Total 6 MW	October 2028
Lost Mountain Substation	Total 8 MW	October 2029

7. Evaluation Criteria & Scoring Rubric

Criteria	Weight	Scoring Guidelines
Total Installed Cost	25%	Lower cost proposals score higher; must include full breakdown.
Technical Compliance	25%	Must meet all specs including EPA, peak shaving, pressure, kW spec, load, etc.
Controller Capabilities	25%	Energy Management System for remote monitoring and controlling, integration with Cobb EMC's SCADA etc.
Vendor Experience	10%	Proven track record with similar utility-scale projects.
Warranty & Support	10%	Longer warranties and robust support programs score higher.
Delivery Timeline	5%	Faster timelines score higher; must be realistic and achievable.

Minimum Score to Qualify: 75/100

8. Contact Information

Address all RFP questions, correspondence, and proposals to:

Manish Murudkar, Director of DER Strategy

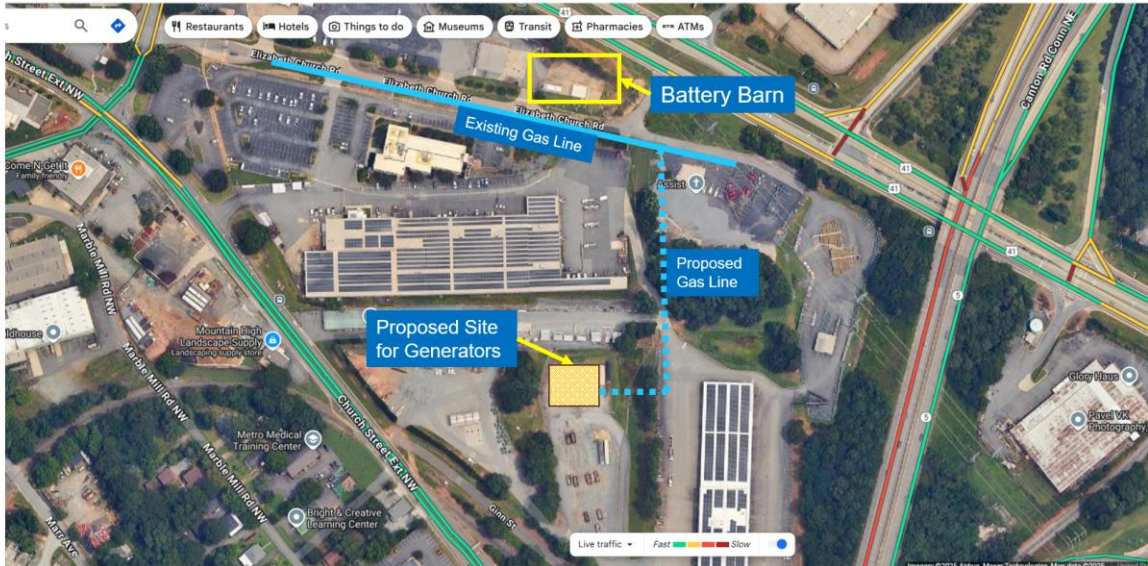
manish.murudkar@cobbemc.com

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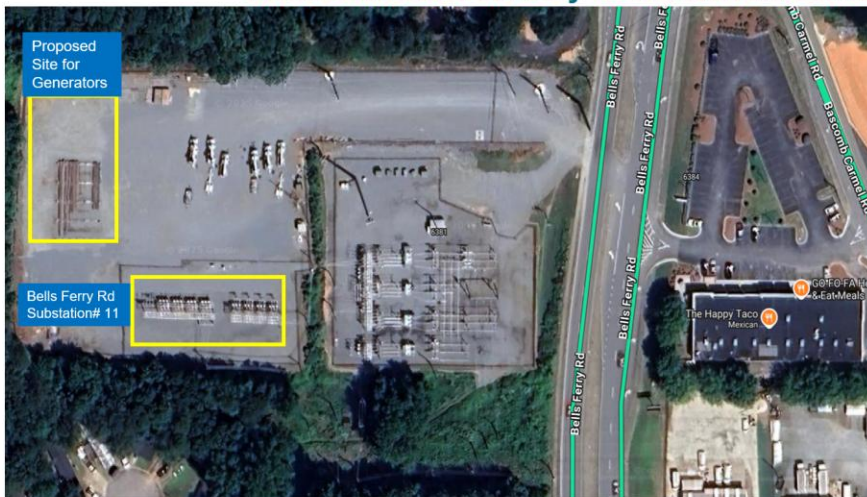
9. Potential Site Locations for NG Generators with Total Generator Capacity

Bidder may provide different sizes of NG Generators to meet Total Generator Capacity.

Cobb EMC Campus - (3) 2 MW Generators (Total 6 MW)



Bells Ferry Road Substation# 11 – (4) 2 MW Generators (Total 8 MW) interconnected directly to the substation bus



**Acworth Substation# 3 - (3) 2 MW Generators (Total 6 MW)
interconnected directly to the substation bus**



**Lost Mountain Substation# 12 - (4) 2 MW Generators (Total 8 MW)
interconnected directly to the substation bus**

