



Proposal Template

Electrical Power Supply
through Thermal
Generation Purchased
Power Agreements

August 6, 2021

NOTE: This cover page to be removed and replaced for RFP Respondent's submission

Memphis Light, Gas and Water Division



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Proposal Content

Section 1: Proposal Executive Summary

A. Identification of Proposal Participants and Team Structure

- i. Companies involved
- ii. Key individuals for development, permitting, financing, design, procurement, construction, commissioning, operation and maintenance, asset management, and energy scheduling.
- iii. Management Team

B. General corporate background information not to exceed five pages in length.

Section 2: Unit-Contingent PPA Terms

Respondents shall provide a supplementary description of the PPA terms and conditions as outlined in Sections 1.9 and 3.3 of the Thermal Generation RFP document as well as Schedules E and F of the Bid Forms. In addition, outline the fuel contract provisions as described below.

A. Fuel Contract

- i. Describe tolling agreement provisions
- ii. MLGW will schedule and deliver the gas to each thermal project's gas yard. Bidder will receive gas and convert to electricity for delivery to MLGW at the designated POI with the MLGW 161kV transmission system. Please describe experience in prior similar arrangements with other projects and counterparties.

Section 3: Preliminary Design Documents

Respondents shall provide the following information about their proposed design of the underlying project.

A. Water Balance

- i. Plant shall be zero discharge.
- ii. Identify any residue or waste that needs to be hauled off by truck and planned disposition.
- iii. Identify water make-up source and required quality for turbine water, boiler water, and cooling water as applicable.

B. Process Flow Diagrams of Major Systems

C. Plant Heat Balances

- iv. Summer Duct Fired



- v. Summer Un-Fired
- vi. Winter Duct Fired
- vii. Winter Un-Fired

D. Electrical One-Line Diagram

E. Site General Arrangement Drawing

- i. Identify tie-points for gas, water, construction power, sewer, point of interconnection.
- ii. Label major equipment.

F. Name and Location of Site

- i. Map showing proximity to rail, highway, waterways, and proposed gas, water and electrical points of interconnection and routings.

G. Civil/Structural Design

- i. Identify assumptions made about grading, water table, dewatering, pier requirements, over excavation requirements, soil corrosivity and resistivity, cut and fill, excess soil haul distance.

H. Architectural

- i. List number of buildings/enclosures and permanent cranes.

Section 4: Bid Forms

A. Please populate the Bid Forms

- Schedule A: Safety
- Schedule B: Reference for Qualifications
- Schedule C: Business Information
- Schedule D: Financial Information
- Schedule E: Pricing
- Schedule F: Performance
- Schedule G: Suppliers of Major Equipment
- Schedule H: SCCT Form
- Schedule I: CCCT Form



Section 5: Project Schedule and Management

A. Project Schedule (Development, Permitting, Right of Way Acquisition, Gas Interconnection, Electric Interconnection, Water Supply, Engineering and Design, Materials, Construction, Commissioning, testing, Backfeed, Startup, etc.)

- i. Respondent shall provide a detailed schedule with their proposal. Major Milestone schedule shall include site acquisition, control and development, permitting, licensing, transmission upgrades and interconnection, fuel supply and delivery facilities, financing, engineering, procurement, construction, startup and commissioning, and performance testing.

B. Project Management Plan

- i. Respondent shall provide a Project Management plan with their proposal.

C. Permitting Plan

- i. The plan shall list potential Federal, State and Local permits required and their applicability evaluation status
- ii. Planned approach to obtain applicable permits including key activities, timing, key individuals or consultants to be involved and their applicable experience.
- iii. Licensing

D. Siting Evaluation Studies

- i. List studies completed to date
- ii. Site ownership, usage, and development status
- iii. Engineering and Surveying
- iv. Water rights

E. Feasibility of Proposed Site

F. Summary of Regulatory Permitting and Staff Experience Provided

- i. Respondent shall provide a permitting matrix indicating all required permits for the project and expected duration for obtaining each permit.
- ii. Respondent shall provide documentation indicating experience with permitting within Tennessee.
- iii. Provide a list of all federal, state and/or local citations, letters of non-compliance, Notice of Violations, Director's Orders, Consent Orders, and/or assessed fines or penalties for the past 5 years in addition to any pending or outstanding judgments, claims, arbitration proceedings or suits.



- iv. Document experience in obtaining applicable environmental permits (similar in complexity) from federal, state and/or local regulatory agencies, e.g., NPDES, ARAP, Title V, UST.
- v. Document experience in completing Environmental Assessments and Environmental Impact Statements in accordance with NEPA.

G. Natural Gas Pipeline Interconnection Plan

- i. Respondent to provide a plan describing how interconnection to gas pipeline will be obtained and managed.

H. Electric Interconnection Plan

- i. Respondent to provide a plan describing how interconnection to the MLGW transmission system will be obtained and managed.

I. Water and Wastewater Plan

- i. Respondent to provide a plan describing how water and sewer rights will be obtained and managed.

J. Material Procurement Plan

K. Identification of Potential Routing Corridors

- i. Gas: For each line, it is the respondent's responsibility to determine the final route. Respondent shall provide any proposed preliminary routing alternatives with their response. Please include the following
 - a. Proposed ROW Widths
 - b. Number of impacted landowners
 - c. Number of impacted parcels

L. Right-of-Way and/or Land Acquisitions Plan

- i. Respondent shall provide a ROW and acquisition plan

Section 6: Experience

A. Construction

- i. Construction Plan
- ii. Commissioning Plan
- iii. Constructability
- iv. Engineering and Surveying Required



B. Financing and Capital Resource Plan

Provide a description of the financing plan including sources of debt and equity, equity percentage by sponsor, financing rates and terms, level of commitment by potential lenders for construction and permanent financing, and tax credit qualifications (who’s the team)?

- i. Description of Capital Resources
- ii. Expected Cash Flows
- iii. Schedule of Significant Expenditures
- iv. Capital Reserves
- v. Credit Ratings
- vi. Audited and Pro Forma Financial Statements

C. Operations & Maintenance

- i. Operations
 - a. List number of operating personnel required to operate each plant and their roles.
 - i. Normal Operations
 - ii. Non-Normal Operations
 - b. Forced Outages and Response Plan
 - c. Financial Strategy for Replacement and/or Rebuilds
- ii. Maintenance
 - a. Preventative and Predictive Maintenance
 - b. Maintenance and Spare Parts Management
 - c. Financial Strategy for Maintenance Activities
 - d. List Maintenance activities to be contracted to a 3rd party.
- iii. Safety
 - a. Project/Site Specific Safety Considerations (Operations & Maintenance Specific)
 - b. Safety Record including OSHA/DART report (Operations & Maintenance Specific)

Section 7: RFP Respondent and Proposal Participant Information

A. Supplier Diversity (Additional Bonus)

- i. Local Firm and MBWE Participation

B. Primary Contact Information

Designate a representative for the Proposal to be the primary contact person with MISO and provide the requested contact information below:

Name: _____

Title: _____

E-Mail Address: _____



Primary Telephone: _____

Secondary Telephone: _____

Mailing Address: _____

C. Secondary Contact Information

Designate a representative for the Proposal to be the secondary contact person with MISO and provide the requested contact information below:

Name: _____

Title: _____

E-Mail Address: _____

Primary Telephone: _____

Secondary Telephone: _____

Mailing Address: _____

D. Proposal Attestations and Commitments

E. Project Financial Security

Attachments