

MILTON REGIONAL SEWER AUTHORITY
REQUEST FOR PROPOSALS
RENEWABLE NATURAL GAS PROJECT 2024-01

1. Background and Purpose

The MRSA has two existing ADI/Evoqua anaerobic reactor tanks with a volume of 7.5 million gallons each. This treatment system currently generates an average of 70,000 cubic feet of biogas daily from less than 1 million gallons per day of high-strength influent wastewater. The original design of the system rates the capacity of biogas production at 770,000 cubic feet per day at peak conditions with an influent design flow of 2.22 MGD. The MRSA also has an existing trucked waste receiving program with two Lakeside Equipment receiving stations.

The MRSA wants to maximize biogas generation through operational improvements and increased acceptance of high-strength trucked waste to provide the biogas to a third party for pipeline injection. The MRSA is seeking proposals from qualified entities capable of designing, operating, installing, and financing all facilities necessary to accomplish this project.

2. Services to be Performed

The successful entity will be expected to work closely with the MRSA to implement this project while ensuring all permits remain in compliance and municipal authority act requirements are met.

All equipment required to receive the MRSA-generated biogas will be designed, owned, installed, operated, and financed by the proposing entity. An approximately 0.8 acre plot of land at the MRSA's wastewater treatment plant site will be leased to the successful entity to be used for the construction, installation, and operation of the biogas pipeline injection equipment. Existing MRSA-owned biogas equipment (flare, gas cleaning system, etc) may be utilized pending clarification of permitting and ownership requirements.

The MRSA's existing trucked waste receiving units will be replaced with two Savéco Beast receiving units with hot water wash, and enclosed to ensure reliable operation throughout the year in the Milton, PA climate. The trucked waste receiving units will be designed, installed, and financed by the proposing entity. The MRSA intends to operate the receiving units and maintain billing operations through its current trucked waste receiving program. The proposing entity will assist in sourcing additional feedstock to increase the quantity of biogas generated. All additional feedstock will be subject to DEP approval prior to acceptance at the facility.

The MRSA and the proposing entity will develop a mutually agreeable long-term contract for the sale of the biogas generated by the MRSA facility. Any waste receiving contracts negotiated solely by the proposing entity will share tipping fee revenues with the MRSA through mutually agreed upon terms.

3. Submission Content

The submitting entity should outline its experience in the renewable energy market. Specific experiences of partnering with municipal authorities and/or negotiating sales or operating agreements in the renewable energy market should be highlighted, if applicable. Estimated timelines for development, construction, installation, and operation must be included. Resumes and references of the principal personnel anticipated to manage this project must also be included. Discussion of

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financial partners including financial stability of submitting entity and financial partners should be included.

4. Review of Proposals & Selection of Partnering Entity

The MRSA will accept submissions until **May 13, 2024**. MRSA Management and the MRSA Board's Property Holding Committee will review the submitted information. The committee is then expected to make a final recommendation to the MRSA Board of Directors at their regularly scheduled **May 16, 2024** board meeting.

5. Instructions for Submitting Proposals

Submissions will be accepted by email to gbausinger@miltonregional.org or by mail at the following address no later than **May 13, 2024 at 4pm**.

Milton Regional Sewer Authority
Attn: Genie Bausinger
5585 State Route 405
Milton, PA 17847

6. Contact information

Questions regarding existing plant operations or the submittal process will be addressed by Genie Bausinger at gbausinger@miltonregional.org or 570-742-3424 ext 3.