

NOTICE OF PUBLIC HEARING

MIDDLESEX COUNTY UTILITIES AUTHORITY

TUESDAY, DECEMBER 13, 2022 @ 4:00 P.M.

**MIDDLESEX COUNTY UTILITIES AUTHORITY
ADMINISTRATION BUILDING – BOARD ROOM
2571 MAIN STREET EXTENSION
SAYREVILLE, NEW JERSEY**

NOTICE is hereby given that, pursuant to N.J.S.A. 40A:11-25, the Middlesex County Utilities Authority shall hold a Public Hearing on the adoption of Qualification Regulations for Bidders for the Award of Certain Contracts Related to Construction and Improvements at the Middlesex County Landfill.

The Authority maintains that there is a critical need for qualified contractors to perform certain construction and improvement projects at the Landfill (the “Landfill Projects”). The Landfill Projects involved generally are divided into three categories: (1) Final Landfill Closure Activities; (2) New Landfill Cell Construction; and (3) Miscellaneous Landfill Work.

Projects under Final Landfill Closure primarily include but are not limited to the following activities:

- Construction of the final landfill cap system, consisting of twelve-inch vegetative layer, layer of filter fabric, twelve-inch sand drainage layer, geosynthetic drainage net layer, textured 60 mil HDPE liner, and six-inch protective sand layer;
- Construction of final gas collection and conveyance system consisting of vertical wells, wellheads, gas main headers, laterals and riser pipes.
- Construction of final leachate collection and conveyance system consisting of pump stations, and leachate collection and conveyance piping and appurtenances.
- Construction of a final stormwater management system consisting of diversion swales, downchutes, perimeter waterways, stilling basins, detention basins, culverts, and erosion protection measures.

Projects under New Landfill Cell Construction primarily include but are not limited to the following activities:

- Preparation of subgrade areas
- Construction of a double-lined, solid-waste landfill cell
- Construction of leachate collection system consisting of collection pipes, pump stations with associated piping, valve chamber, and instrumentation.

- Construction of leachate conveyance system consisting of forcemain piping and appurtenances.
- Construction of stormwater management system, consisting of drainage swales, culverts, rip-rap and gabion protection, and concrete headwalls.
- Construction of landfill perimeter road.

Projects under Miscellaneous Landfill Work primarily include but are not limited to the following activities:

- Demolition of existing facilities,
- Improvements to the existing landfill facilities
- Installation of temporary side slope closure systems
- Placement of intermediate soil cover
- Improvements to the landfill gas collection, conveyance, and control systems
- Installation of landfill gas flare and blower system and appurtenances
- Improvements to the leachate collection, conveyance, and control systems
- Construction/improvements of the odor mitigation system
- Construction of contact/non-contact water collection, storage, and conveyance systems
- Replacement/upgrade of existing pump stations and associated equipment New
- Repairs to the landfill access roads

The Authority is recommending that bidders have a minimum level of landfill experience in order to work on the aforementioned Landfill Projects. The Proposed Qualification Regulations set forth the specific experience and expertise required on such Projects.

The purpose of the Public Hearing is to provide an opportunity for the public to be heard regarding the Proposed Qualification Regulations. A copy of the Proposed Qualification Regulations, which discusses in detail the required experience and expertise requirements may be obtained by contacting Paul Clark at PClark@mcua.com.

PLEASE TAKE FURTHER NOTICE THAT; the Middlesex County Utilities Authority anticipates that it will take action by way of Resolution after the Public Hearing on the Proposed Qualification Regulations at the December 13, 2022 meeting.

**PROPOSED QUALIFICATION REGULATIONS FOR BIDDERS
FOR THE AWARD OF CONTRACTS RELATED TO CONSTRUCTION AND
IMPROVEMENTS AT THE MIDDLESEX COUNTY LANDFILL**

I. NECESSITY FOR QUALIFICATION REGULATIONS:

The Authority has a critical need for qualified contractors to perform certain construction and improvement services at the Middlesex County Landfill (the “**Projects**”).

The Projects are generally divided into three (3) categories, which are defined as follows:

1. Final Landfill Closure Activities

Projects under Final Landfill Closure primarily include but are not limited to the following activities:

- Construction of the final landfill cap system, consisting of twelve-inch vegetative layer, layer of filter fabric, twelve-inch sand drainage layer, geosynthetic drainage net layer, textured 60 mil HDPE liner, and six-inch protective sand layer;
- Construction of final gas collection and conveyance system consisting of vertical wells, wellheads, gas main headers, laterals and riser pipes.
- Construction of final leachate collection and conveyance system consisting of pump stations, and leachate collection and conveyance piping and appurtenances.
- Construction of a final stormwater management system consisting of diversion swales, downchutes, perimeter waterways, stilling basins, detention basins, culverts, and erosion protection measures.

2. New Landfill Cell Construction

Projects under New Landfill Cell Construction primarily include but are not limited to the following activities:

- Preparation of subgrade areas
- Construction of a double-lined, solid-waste landfill cell
- Construction of leachate collection system consisting of collection pipes, pump stations with associated piping, valve chamber, and instrumentation.
- Construction of leachate conveyance system consisting of forcemain piping and appurtenances.
- Construction of stormwater management system, consisting of drainage swales, culverts, rip-rap and gabion protection, and concrete headwalls.

- Construction of landfill perimeter road.

3. Miscellaneous Landfill Work

Projects under Miscellaneous Landfill Work primarily include but are not limited to the following activities:

- Demolition of existing facilities,
- Improvements to the existing landfill facilities
- Installation of temporary side slope closure systems
- Placement of intermediate soil cover
- Improvements to the landfill gas collection, conveyance, and control systems
- Installation of landfill gas flare and blower system and appurtenances
- Improvements to the leachate collection, conveyance, and control systems
- Construction/improvements of the odor mitigation system
- Construction of contact/non-contact water collection, storage, and conveyance systems
- Replacement/upgrade of existing pump stations and associated equipment
- Repairs to the landfill access roads

The Authority's Engineer has recommended to the Authority that bidders have a minimum level of landfill experience in order to work on the aforementioned Projects. Completion of multiple landfill projects is not only critical, but necessary to demonstrate that the contractor can adequately perform the proposed scope of work and is familiar with working in a landfill environment. There are many challenges that must be overcome when performing construction work at the Middlesex County Landfill. The contractor will be exposed to excavating and handling solid waste, installing and protecting geomembrane liner systems, working in and controlling landfill leachate and contact stormwater, exposure to potentially harmful landfill gas and performing the work in compliance with NJDEP issued permits. In addition, the Middlesex County Landfill typically accepts approximately 300 trucks of solid waste per day along with numerous soil cover material deliveries, which requires coordination with MCUA personnel and other contractors that may be working onsite.

Having an intimate understanding of these challenges is critical. Lack of adequate landfill experience can result in the following:

- Health and safety issues, including serious injury or death to the contractor's staff or others working on the site.
- Damage to existing landfill infrastructure resulting in unnecessary significant additional costs and potential disruption of the disposal of waste for 800,000 residents of Middlesex County.

- Permit compliance violations including Title V Air Permit, NJPDES Permit and Solid Waste Facility Operating Permit that may result in fines to the Authority which are paid ultimately by the Authority's ratepayers.
- Odor complaints from the surrounding public caused by improper handling of garbage and leachate.
- Inability to complete the proposed scope of work resulting in legal measures being implemented, disruption of daily landfill activities and daily disposal of thousands of tons of garbage for Middlesex County 800,000 residents, which would have a significant impact.

As a result of this recommendation, the Authority has determined to pursue the Qualification Process as provided under the Local Public Contracts Law in an effort to obtain the construction and improvement services from qualified contractors.

II. QUALIFICATION REQUIREMENTS:

In response to the Engineer's recommendation, and in consultation with the Engineer, based on their experience and expertise on such projects, the Authority has established specific qualification requirements for each category that should be met by a bidder seeking the award of a contract for the Projects. The Qualification Requirements for construction and improvement services at the Middlesex County Landfill are as follows:

1. Final Closure Activities

- a. Potential bidders shall have a minimum level of landfill experience. Completion of multiple landfill projects is necessary to demonstrate that the contractor can adequately perform the proposed scope of work and is familiar with working in a landfill environment as follows:
 - i. Bidder shall submit experience record for at least five (5) landfill projects with similar work or services that were completed in the last ten (10) years together with the name and address of the owner and the contract price.
 - ii. The experience record must demonstrate that the Bidder was in responsible charge for at least 10 million square feet of geomembrane liner deployment;
 - ;
 - iii. The experience record must also demonstrate that the Bidder was in responsible charge for at least 10 million square feet of geocomposite liner deployment; and
- b. Bidders may propose qualified subcontractors for performing certain specialty work in the contract as follows:

- i. Subcontractor(s) shall provide a list of similar work or services that were completed in the last ten (10) years together with the name and address of the owner and the contract price;
- ii. The experience record must demonstrate that the Subcontractor was in responsible charge for at least 10 million square feet of geomembrane liner deployment. The Bidder shall also demonstrate that at least 10 million square feet of geomembrane liner deployed by the Subcontractor listed was completed directly under the Bidder;
- iii. The experience record must also demonstrate that the Subcontractor was in responsible charge for at least 10 million square feet of geocomposite liner deployment. The Bidder shall also demonstrate that at least 10 million square feet of geocomposite liner deployed by the Subcontractor listed was completed directly under the Bidder; and

2. New Landfill Cell Construction

- a. Potential bidders shall have a minimum level of landfill experience. Completion of multiple landfill projects is necessary to demonstrate that the contractor can adequately perform the proposed scope of work and is familiar with working in a landfill environment as follows:
 - i. Bidder shall submit experience record for at least five (5) landfill projects with similar work or services that were completed in the last ten (10) years together with the name and address of the owner and the contract price.
 - ii. The experience record must demonstrate that the Bidder was in responsible charge for at least 10 million square feet of geomembrane liner deployment;
 - iii. The experience record must also demonstrate that the Bidder was in responsible charge for at least 10 million square feet of geosynthetic clay liner (GCL) deployment;
 - iv. The experience record must also demonstrate that the Bidder was in responsible charge for at least 10 million square feet of geocomposite liner deployment; and
- b. Bidders may propose qualified subcontractors for performing certain specialty work in the contract as follows:
 - i. Subcontractor(s) shall provide a list of similar work or services that were completed in the last ten (10) years together with the name and address of the owner and the contract price;
 - ii. The experience record must demonstrate that the Installer was in responsible charge for at least 10 million square feet of geomembrane liner deployment. The Bidder shall also demonstrate that at least 10 million square feet of

geomembrane liner deployed by the Subcontractor listed was completed directly under the Bidder;

- iii. The experience record must also demonstrate that the Subcontractor was in responsible charge for at least 10 million square feet of geosynthetic clay liner (GCL) deployment. The Bidder shall also demonstrate that at least 10 million square feet of geosynthetic clay liner (GCL) deployed by the Subcontractor listed was completed directly under the Bidder;
- iv. The experience record must also demonstrate that the Subcontractor was in responsible charge for at least 10 million square feet of geocomposite liner deployment. The Bidder shall also demonstrate that at least 10 million square feet of geocomposite liner deployed by the Subcontractor listed was completed directly under the Bidder; and

3. Miscellaneous Landfill Work

- a. Potential bidders shall have a minimum level of landfill experience. Completion of multiple landfill projects is necessary to demonstrate that the contractor can adequately perform the proposed scope of work and is familiar with working in a landfill environment as follows:
 - i. Bidder shall submit experience record for at least five (5) landfill projects with similar work or services that were completed in the last ten (10) years together with the name and address of the owner and the contract price.
 - ii. The experience record must also demonstrate that the Bidder was in responsible charge for at least 1 million square feet of synthetic liner deployment; and
- b. Bidders may propose qualified subcontractors for performing certain specialty work in the contract as follows:
 - i. Subcontractor(s) shall provide a list of similar work or services that were completed in the last ten (10) years together with the name and address of the owner and the contract price;
 - ii. The experience record must demonstrate that the Installer was in responsible charge for at least 1 million square feet of synthetic liner deployment;

III. CRITERIA FOR EVALUATING QUALIFICATIONS:

The following criteria will be used for evaluating the qualifications of bidders submitting a bid for the aforementioned Projects. The evaluation will be based on the information in the Bidder's Qualification Statement provided by potential bidders as well as information supplied by the bidders' references.

- Any bidders not meeting the applicable qualification requirements shall be rejected.