

**REQUEST FOR PHASE I PROPOSALS (PHASE I RFP)
TO PERMIT, DESIGN, BUILD, OPERATE AND MAINTAIN
AND MARKET THE CAPACITY OF AND PRODUCTS FROM
A REGIONAL MUNICIPAL WASTEWATER BIOSOLIDS FACILITY**

**Issued by
WATER POLLUTION CONTROL AUTHORITY
BOROUGH OF NAUGATUCK, CONNECTICUT
April 2018**



(Photo courtesy of Veolia web site)

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1.0 INTRODUCTION

The Water Pollution Control Authority, Borough of Naugatuck, Connecticut (Borough) is currently implementing a long-term plan to upgrade its wastewater treatment plant to a “resource recovery facility”, including efforts to beneficially use biosolids, recover energy or produce fuels for internal use or for sale, recover nutrients, recover metals and find uses for its effluent. As part of that plan to obtain market information from private companies in the industry, the Borough issued a Request for Expressions of Interest (RFEI) in March 2016 and met with several interested companies in October 2016. Substantial company interest was expressed and promising technologies were presented. As a follow up to that process, the Borough is seeking responses to this Request for Proposals (RFP) from qualified companies for services to permit, design, build, operate and maintain, and market the excess capacity of and products from a regional, municipal wastewater biosolids processing facility (herein referred to as Services and Biosolids Facility). The Biosolids Facility will provide for the long-term management of biosolids from the Borough’s wastewater treatment plant (Wastewater Treatment Facility) and from other municipalities and private parties.

This RFP will include two phases: Phase I will be used to prequalify and shortlist companies capable of providing biosolids services; Phase II will be used for preparation of firm Proposals by shortlisted companies. In Phase II, in addition to biosolids services, companies will be asked to provide services to operate the Wastewater Treatment Facility and sanitary sewer collection system. In response to the Phase II RFP, Phase I shortlisted companies that can provide all requested services in Phase II can do so, or they can team with other companies as a Phase II proposer for the purpose of providing all requested Phase II services. Phase II proposers that have not qualified as part of the Phase I proposal process for biosolids services must team with one or more of the Phase I shortlisted companies for provision of biosolids services. This document is the Phase I RFP. The Borough will consider all viable technologies and companies that meet the criteria of this RFP. Biosolids companies must respond to the Phase I RFP to receive consideration for Phase II.

The design capacity of the Wastewater Treatment Facility is 10.3 MGD. Currently biosolids from the Wastewater Treatment Facility and from other municipalities and private entities are incinerated in a fluid bed incinerator (Incineration Facilities) which is permitted to process 84 dry tons per day of biosolids, providing significant excess capacity for merchant biosolids. Associated merchant revenues provide the economic incentive for an existing public private partnership that provides significant cost savings to the Borough.

This Phase I RFP is focused on the Incineration Facilities and associated solids handling systems only. The Borough requests that companies interested in providing biosolids management services provide a response to this RFP in accordance with information provided herein. Also, as noted herein, interested companies are encouraged to attend a Non-Mandatory, Pre-Submittal Information Meeting and Site Visit scheduled for May 3, 2018 to begin at the Town Hall.

2.0 BACKGROUND

As noted above, the Wastewater Treatment Facility has a design capacity of 10.3MGD. It includes secondary treatment and nitrogen control. In Fiscal Year 2017 (FY2017: July 2016-June 2017) it treated an average of 4.28 million gallons per day of sewage from Naugatuck and sewer connected communities (Middlebury, Oxford and parts of Beacon Falls and Prospect). The Wastewater Treatment Facility also receives septage from the Borough and other communities and private parties. In FY17 approximately 2.8 million gallons of septage was received without charge from the Borough and connected communities, and approximately 6.5 million gallons of septage was received from other communities and private parties that paid for treatment services.

Currently, biosolids from the Wastewater Treatment Facility are thickened and then dewatered at the Incineration Facilities using centrifuges (belt filter presses as backup). Five out of eight sludge thickening tanks are included as part of the Incineration Facilities for merchant sludge processing, the balance are part of the Wastewater Treatment Facility for thickening Naugatuck primary and waste activated sludge. After dewatering, biosolids are dried in a “scalping” dryer and incinerated in a fluid bed incinerator. Ash is stored in on-site ash lagoons and subsequently disposed of at approved landfills. When the incinerator is taken off line for maintenance, alternative disposal methods are required. During these times, biosolids are transported and disposed of at approved landfills or other incinerators.

The Incineration Facilities accept biosolids in both liquid and cake form. As noted above, liquid biosolids are dewatered. Cake biosolids are processed directly. The existing fluid bed incinerator is permitted to incinerate 84 dry tons per day of biosolids. It is fairly new, installed in 2003/2004. The majority of the incinerator capacity is utilized for biosolids from outside sources (Borough biosolids production from the Wastewater Treatment Facility is typically 2-4 dry tons per day, leaving approximately 80 dry tons per day of capacity for merchant use). Currently more than 50 communities utilize the Incineration Facilities, primarily in Connecticut, and some in New York and Massachusetts. As further explained below, revenues from these customers are used to offset a significant amount of the costs of past capital improvements, including those for installation of the fluid bed incinerator, and a majority of operating and maintenance costs.

Information on biosolids and other feedstocks received predominantly in Fiscal Year 2017 is referenced in Attachment 1 to this RFEI. Annual biosolids incinerated in FY 2017 were 25,210 dry tons per year from Naugatuck and outside sources. This represents about 82% of permitted incinerator capacity. Approximately 50% of the biosolids received were in liquid form and 50% in solid form.

The Wastewater Treatment Facility and Incineration Facilities are operated by a private company (Veolia) under a twenty year contract which ends in August 2022. The Borough leases the site and facilities to Veolia, which in turn, pays rent to the Borough for rights to the revenues from the biosolids customers. The rent payments made by Veolia offset approximately ½ of the costs for past capital improvements (including the fluid bed incinerator) and a majority of operating and maintenance costs for the Wastewater Treatment Facility. There is no cost assessed the Borough by Veolia for operation of the Incineration Facilities nor charged the Borough for biosolids processing. There is also a “profit sharing” arrangement whereby the Borough receives payments if revenues exceed specified costs, including the costs for operating the Incinerator Facilities.

Number 2 fuel oil is purchased from independent suppliers for use in the Incineration Facilities. Electricity used at the Wastewater Treatment Facility and Incineration Facilities is purchased from the grid. In FY 2017, electricity use was approximately 15.5 million kWh and fuel use was 37,851 gallons. Costs for electricity were approximately \$1.15 million. Fuel costs were approximately \$150,000. Approximately 25% of electricity use was at the Wastewater Treatment Facility and the balance at the Incineration Facilities. All of the fuel was used at the Incineration Facilities. Recently natural gas has been made available to the site. A fuel cell project has been constructed, came on line in June 2017, and currently provides approximately 75-80% of the electrical needs of the WWTP.

The Borough is in the process of upgrading the Incineration Facilities to meet EPA Sewage Sludge Incinerator emission requirements, primarily for mercury. These improvements are expected to be completed by July 2018. To meet these requirements, a polymer absorption system is being added to the existing air pollution control equipment.

There are also future requirements to meet phosphorous effluent limits as specified in the NPDES permit for the Wastewater Facility. A seasonal (214 days per year) treatment performance limit of 0.4 mg/l results in limits of an average daily load of 16.43 lbs/day and a total seasonal load of 3,516 lbs. In addition there is a maximum daily limit of 1.24 mg/l and an average monthly limit of 0.552 mg/l. Chemical treatment is currently being tested as a means to meet these requirements. Although operation of the Wastewater Treatment Facility is not part of this Phase I RFP process, the Borough is very interested in biosolids management technologies that are compatible with or are capable of recovery of phosphorous and nitrogen for beneficial use.

A Facilities Plan has recently been completed. Some \$22 million of capital improvements are being considered, including meeting the regulatory requirements noted above and making other improvements for increased efficiency, reduced energy use, odor mitigation, provision of a headworks and replacing aging equipment.

3.0 PROJECT AND SITE DESCRIPTION

The Biosolids Facility proposed by interested companies must be capable of reliably processing all of the Borough's biosolids and of a size to provide adequate merchant revenues to significantly offset Borough costs, be permittable, and be capable of meeting or exceeding Borough, Connecticut and Federal regulatory requirements . The Borough will consider a smaller or a larger facility than currently exists, should such a facility meet environmental standards and be beneficial to the Borough. The Borough is also willing to consider acceptance of fats, oil and grease, green waste and food waste at the Biosolids Facility, should environmental standards be met and should it be beneficial to the Borough.

The Borough is open to and will consider all viable technologies. The Biosolids Facility can include alternative technologies such as thermal hydrolysis, anaerobic digestion, drying, pelletization, composting, gasification, or continue incineration, using existing facilities or installing new incineration facilities. If a product is produced, it is to meet Part 503, Class A requirements. Services would commence with adequate time to allow permitting and development of the Biosolids Facility with operation to begin by August 2022. Once operation commences, a 20 year operating term is anticipated, although a longer term, up to 30 years, may be considered. *(NOTE: The Borough is aware of State DEEP regulatory practices limiting use of processed biosolid products produced in Connecticut, and the need for a Beneficial Use Determination to do so. The Borough is in discussion with DEEP regarding this matter.*

Space is available on the Wastewater Treatment Facility and Incineration Facilities site, and maybe available on approximately 2 acres adjoining the site. If additional space is needed, there is the potential for additional space at other locations in the Borough. Existing, inactive rail lines are in close proximity to the Wastewater Treatment Facility. The rail lines are currently being developed to provide active freight service for a proposed transmodal truck/rail facility. Use of the redeveloped rail line to serve a Biosolids Facility (to deliver biosolids and/or to ship product) is possible but needs to be investigated. Also, approximately 500,000 to 600,000 square feet of warehousing will be developed as part of this project. Potentially, heating, cooling and electrical needs of the warehousing facilities and the intermodal facility could be served by a Biosolids Facility. See Attachment 2 for references to a site drawing which shows existing and proposed facilities. The Borough may retire the existing incinerator if a Biosolids Facility using alternative technology is selected. In that case, the Borough will make the incinerator and ash lagoon space available for use in conjunction with or as part of the Biosolids Facility, should such use be beneficial to the project. The ash lagoons comprise approximately 2 acres.

Implementation of the Biosolids Facility is envisioned as a public-private partnership, (“PPP”).

The Borough will:

- Provide financing for and own the Biosolids Facility, if advantageous to the Borough.
- Lease the Biosolids Facility to the successful company under terms of a long-term lease (minimum of 20 years and up to 30 years)
- Lease existing equipment used at the Incineration Facilities, e.g., storage facilities, dewatering facilities, etc. to the successful company under terms of a long-term lease (minimum of 20 years and up to 30 years)
- Provide the site for the Biosolids Facility under terms of a long-term lease (minimum of 20 years and up to 30 years) using available land at the Wastewater Treatment Facility and Incinerator Facilities, and additional space as provided.
- Commit on a long-term basis (minimum of 20 years and up to 30 years) the Borough’s biosolids production to the Biosolids Facility. The Borough intends to provide thickened biosolids produced at the Wastewater Treatment Facility. The company will be responsible for accepting the thickened biosolids output, dewatering as necessary and conveying/transporting the biosolids to the Biosolids Facility for subsequent processing.
- Allow use of the Wastewater Treatment Facility, if needed, for purposes of receipt or treatment of incoming feedstock and for discharge of pretreated wastewater from the Biosolids Facility.
- Encourage arrangements for “sharing” employees, as available, between the Wastewater Treatment Facility operator and the Biosolids Facility.

The company will:

- Permit, design, build, operate and maintain all necessary facilities required to receive, store and process all biosolids provided by the Borough and acceptable feedstock from merchant customers, and market excess capacity of and all products from the facility. Construction activities will include all site preparation work that is necessary. If produced, products must meet Part 503, Class A requirements.
- Comply with all Federal, Connecticut and Borough requirements for all services related to the Biosolids Facility.
- Make rent payments to the Borough and is encouraged to provide for a profit sharing plan

4.0 PROJECT GOALS

The Borough desires to achieve the following:

- A long-term reliable and economically viable project.
- Cost savings to the Borough, with potential for profit sharing. (Cost savings would be provided through a rent payment to be offered by the company to the Borough which the Borough could use to help meet its costs, e.g., for debt payments for the Biosolids Facility and the cost of operating the Wastewater Treatment Facility. Operating and maintenance costs for the Biosolids Facility should be considered the responsibility of the company, including the cost of processing Borough biosolids.)
- Utilization of technology that will produce environmental benefits, such as reducing greenhouse gas emissions.
- Improvement of odor conditions at the Incineration Facilities to eliminate/mitigate odors associated with receipt and processing of merchant feedstock.
- Generation of renewable fuels, electricity, digestate, compost, fertilizer or other marketable, beneficial products.
- Utilize, as appropriate, combined heat and power processes to more efficiently utilize the potential fuel value of the biosolids.
- Provide heat and power to the Wastewater Treatment Facility or other users such as the proposed intermodal and warehousing facilities to offset needs to purchase fuels and electricity from the grid.
- Recover nitrogen and phosphorous for beneficial use.
- Recover metals for sale.

5.0 SCHEDULE

The Borough has developed a tentative schedule of activities for the Biosolids Facility.

Activity

Schedule

- Release Phase I RFP
On or about April 5, 2018
- Non-Mandatory Pre-Submittal Meeting and Site Tour
May 3, 2018, 10:00 AM at Borough Hall, 4th Floor, 229 Church Street
- Submission of Written Company Questions
At any time, but no later than July 13, 2018.
- Borough Response to Questions
As soon as practical via written Addenda to the Phase I RFP.
- Due Date for Submitting Phase I Proposals
July 31, 2018, 3:00 PM Local Time

- Borough Completes Review of Phase I Proposals/Selects Qualified Biosolids Companies (Please note that as part of the review, the Borough may request that a company(ies) participate in an interview.)
By October 31, 2018

- Subsequent Steps: Borough Issues Phase II RFP; Preparation of Phase II Proposals; Evaluation of Phase II Proposals/Selection of Preferred Proposer; Contract Negotiations
Complete by December 31, 2019

- Award of Contract
December 31, 2019
- Permit, Design, Construct, Commission Biosolids Facility
January 2020-July 2022

- Commence Commercial Operations
August 15, 2022

6.0 PROPOSAL REVIEW PROCESS

The Borough reserves the right to, at its sole discretion, exercise any or all of the following: accept or reject any and all proposals, in whole or in part; amend or modify the terms included in this RFP and subsequent selection process described below; cancel this RFP and issue subsequent RFPs.

The Borough reserves the right to consider all technologies for the Biosolids Facility based on the responses received to this RFP.

See Table 6.1 for a detailed list of Borough rights.

Information submitted in response to this RFP shall be considered public information, unless marked as “confidential” by the proposer. For example, pricing information and information related to a proposer’s financial resources may be marked confidential. The Borough will not release confidential information to the public if it is allowed to do so by State statute.

The Borough intends to use the process outlined below to consider proposals for the Services.

1. Phase I RFP

This Phase I RFP is issued to solicit responses from companies that have experience in permitting, designing, building, operating and maintaining and marketing the capacity of and products from biosolids processing facilities, and demonstrating a history of conducting such activities. Responses to this Phase I RFP will be evaluated to qualify companies for participation in the Phase II RFP process.

See Section 7.0 of this Phase I RFP for proposal evaluation criteria.

2. Phase II RFP: the Phase II RFP will be used to solicit proposals for biosolids services as described in the Phase I RFP and to solicit services for operations and maintenance of the Wastewater Treatment Facility and the Borough’s sanitary sewer collection system.

For Phase II , it is anticipated that technical proposals would be evaluated based on the worthiness of the proposed technology, environmental benefits, experience, qualifications, resources, and financial strength of the Proposer, conformance to proposed terms and conditions of contract, and other appropriate non- price criteria. Price proposals would be evaluated separately. A value analysis would then be conducted to determine which Proposal is in the best interests of the Borough, considering both the technical and price proposals. The Borough would not be required to accept the lowest priced proposal or that with the greatest revenue. The top ranked

proposer from the Phase II RFP process would be selected as the “Preferred Proposer” to enter into contract negotiations.

The RFP process will be subject to applicable procurement law and to equal opportunity, insurance and bonding requirements as specified by the Borough.

3. Negotiation with Preferred Proposer, Phase II Proposal

It is the Borough’s intent, in accordance with terms to be contained in the Phase II RFP, to enter into contract negotiations with the Preferred Proposer to reach an agreement in accordance with key terms and business principals contained in the Phase II RFP. If after a reasonable time the Borough is unable to reach agreeable terms with the Preferred Proposer, it will terminate the negotiations and enter into negotiations with the next highest ranked proposer. Although this is the expressed intent of the Borough, the Borough will maintain its rights to enter into negotiations with more than one company, should that be deemed to be beneficial to the Borough.

Table 6.1: Borough Rights

The Borough reserves, holds and may exercise, at its sole discretion, the following rights and conditions with regard to this RFP (Phase I and Phase II). By responding to this RFP, proposers acknowledge and consent to the following conditions relative to the procurement process and the selection of Finalists:

- This RFP does not obligate the Borough to procure or contract for any services.
- The Borough reserves the right to change or alter at any time the schedule for any events associated with this procurement upon notice to the proposers, and a proposer by submitting a proposal agrees to be bound by any modification made by the Borough.
- All costs incurred by a proposer in connection with responding to this RFP, the evaluation and selection process undertaken in connection with this procurement, and any negotiations entered into in connection with developing the contract will be borne by the proposer.
- The Borough reserves the right to accept and/or reject, for any reason, any and all proposals and components thereof and to eliminate any and all proposers responding to this RFP from further consideration for this procurement.
- The Borough reserves the right to eliminate any proposer who submits incomplete or inadequate responses or is not responsive to the requirements of this RFP.
- The Borough reserves the right, at any time, to determine that any or all proposers will not be selected for further consideration and to notify such proposers of the Borough's determination.
- The Borough reserves the right to change the number of qualified proposers from Phase I that will be considered for Phase II.
- The Borough may require proposers to send representatives to its offices for interviews and presentations.
- The Borough reserves the right to discontinue negotiations with any proposer.
- The Borough reserves the right to negotiate with one or more proposers, sequentially or concurrently.
- The Borough may conduct clarification discussions, at any time following the submission of proposals, with one or more proposers.

Table 6.1: Borough Rights (continued)

- The Borough reserves the right to receive questions concerning this RFP from proposers and to provide such questions, and the Borough's responses, if any, to all proposers.
- The Borough reserves the right, for any reason and without prior notice, to supplement, amend or otherwise modify this RFP, or otherwise request additional information.
- Any and all responses not received by the proposal due date, will be rejected and returned.
- All proposals become the property of the Borough and will not be returned.
- All activities related to the project shall be subject to applicable federal, State of Connecticut and local applicable law.
- Neither the Borough, its staff, its representatives, nor any of its consultants or agents will be liable for the completeness or accuracy of any data or other information presented at any time and in any form in connection with this RFP. The proposer will be responsible for conducting any and all studies, investigations and tests necessary to prepare its proposal.
- Neither the Borough, its staff, its representatives, nor any of its consultants or agents will be liable for any claims or damages resulting from the solicitation, collection, review or evaluation of responses to this RFP.
- The Borough (including its staff, representatives, consultants and agents) reserves the right to visit and examine any of the facilities referred to by the proposer in its proposal and to observe and investigate the operations of such facilities.
- The Borough reserves the right to conduct investigations of the proposers and their responses to this RFP and to request additional evidence to support the information included in any such response.
- The Borough reserves the right to contact references and parties knowledgeable of the proposer and its performance.
- The Borough reserves all rights with respect to the evaluation, clarification, selection, and negotiation process set forth in this RFP.

By submitting a proposal, the proposer waives its right to sue the Borough in the event the Borough does not select the proposer.

7.0 EVALUATION CRITERIA FOR PHASE I PROPOSALS

Proposals shall be reviewed in accordance with Minimum Evaluation Criteria, Technical Comparative Evaluation Criteria and cost/revenue considerations as described below. Proposers must meet the Minimum Evaluation Criteria (see Table 7.1) to be further considered. Those proposals that meet the Minimum Evaluation Criteria will be further evaluated and ranked using the Technical Comparative Evaluation Criteria and cost/revenue considerations described below. Should there be a sufficient number of qualified proposals submitted, up to seven (7) proposals will be shortlisted to compete in the Phase II RFP process. During proposal review the Borough may request clarifications and/or other information. Such clarifications or information received will be considered part of the proposal.

For those proposals that meet the Minimum Evaluation Criteria, the Borough will evaluate Phase I proposals using the Technical Comparative Evaluation Criteria and cost/revenue considerations as described below.

The Borough will score technical proposals based on the Technical Comparative Evaluation Criteria as follows :

Proposer's technical resources and experience	[15% (15 points)]
Financial resources and strength of proposer	[15% (15 points)]
Record of performance and reliability of technology	[25% (25 points)]
Technical approach	[25% (25 points)]
Business and financial proposal (excluding cost)	[20% (20 points)]
TOTAL:	<hr/> 100% (100 points)

Although it is not necessary for the Borough to choose the lowest cost proposal, or the proposal providing the highest revenues to the Borough, cost and revenue are important factors in selecting the qualified proposers. Proposed costs, revenues and the net present value of the annual projected cash flow to the Borough will be considered, as well as any profit sharing plan. Ultimately the review will include a value analysis considering both the ranking according to the Technical Comparative Evaluation Criteria, the cost/revenues and profit sharing potential.

Table 7.1: Minimum Evaluation Criteria

Proposals must meet the following Minimum Evaluation Criteria below in order to be considered:

1. Any proposed facilities or equipment will have a minimum design life of 20 years.
2. Any proposed system must produce end products that have probable, identifiable or existing markets (including compost, fertilizer, products designated as recyclable by statute, electricity and/or fuel/chemical products).
3. Any proposed system must comply with federal, State of Connecticut and local laws and regulations.
4. Any proposed system must have been demonstrated at a minimum of one (1) facility of similar size or unit size reasonably scalable to that proposed, and must have been in operation processing similar feedstock for at least six months prior to the date of submission of the proposal. Demonstration facilities that have operated intermittently, but processed at least 1,000 tons of feedstock over a six month period, will be considered to meet the requirement of this minimum criterion. Such demonstration may occur anywhere in the world. A proposed system may include a combination of technologies consistent with the RFP.
5. Any proposed system must have a project team that has experience with financing, designing, building, operating, and maintaining a biosolids management facility, and marketing its capacity and end products, either individually or as a team.
6. The proposer must have bonding ability equal to the estimated cost of facility design and construction, and, during operation, equal to the estimated annual operating cost; and must not be in bankruptcy.
7. The proposer must not be debarred from contracting in Connecticut.

8.0 SUBMISSION REQUIREMENTS FOR PHASE I PROPOSAL

To the extent possible, Phase I proposals shall be printed on 8 ½ x 11” pages. Bulky materials and oversized drawings should be included in an Appendix to the body of the Phase I proposal. The Phase I proposal shall include the following information:

1. Provide a general description of the lead responding company with contact information for the lead company (name, title, mailing address, email address, telephone and fax numbers). In addition, for key project participating firms, provide name of guarantor, design engineering firm, construction contractor, operator, product marketing firm, environmental permitting consultant, and investment banker or funders (for private financing option).
2. Include a brief synopsis of the history, expertise, and experience of the lead company and that of its principal project participating partners, if any. Describe the experience of the lead company and the proposal team in working together previously for similar projects as that proposed in Naugatuck. Describe the experience of the lead company and the proposal team in providing design/build/operate services for biosolids facilities and marketing the capacity of these facilities for processing and sale of products produced.
3. Provide copies (*ON CDs OR THUMB DRIVES ONLY-NO PAPER COPIES*) of the last 3 years of Annual Reports if a publicly traded company, and comparable financial information, as suitable, for a private company.
4. Provide a description of the bonding capability/limits of company or team member that will provide the construction performance bond and the operations performance bond. Provide a letter from surety demonstrating bonding capability sufficient to meet the Minimum Evaluation Criteria.
5. Provide a description of the proposed treatment technology and processes, including identification of the facility size, daily and annual processing capacity, space required, type and quantity of waste materials to be processed, type and quantity of energy, fuel and material products to be produced, nitrogen and phosphorous recovered, metals recovered, odor, noise and other environmental controls, air emissions and wastewater discharges, utility needs (water, sewer, electricity, natural gas) and quantity and type of residuals that will need to be disposed. Please include a schematic diagram to describe the flow of material and individual components of the process. Describe market plan and the marketability of the

intended products (energy, fuels or materials) and identify probable markets. Include letters of intent to purchase products, if available. Identify if your technology is designed to accept biosolids in liquid and/or cake form.

6. Describe if and, if so, how the project will assist in capture and recovery of nitrogen and phosphorous as marketable products.

7. Describe any type of metals recovery.

8. Include an estimated schedule for facility development, permitting, design/construction, commissioning and operation. *(PLEASE NOTE THAT FOR PHASE I PROPOSALS THIS IS FOR INFORMATION PURPOSES ONLY, AND NOT CONSIDERED A FIRM COMMITMENT ON THE PART OF THE PROPOSER.)*

9. Describe if you intend to use any of the existing facilities or equipment. Describe how you will integrate the proposed facilities. Provide a site drawing showing the placement of the new facilities and their integration with existing facilities.

10. Describe how you will minimize downtime and disruption of operation of existing facilities while constructing the new facilities. Identify the period of time that existing operations will be interrupted due to construction of new facilities.

11. Provide a description of operation and maintenance activities, including a discussion of corrective, preventative and predictive maintenance, computerized maintenance, management and operations systems, and capital repair and replacement needs.

12. Provide a description of your feedstock acquisition plan for biosolids and other feedstock materials.

13. Identify any constraints foreseen for project development, permitting, design, construction and operation, and marketing of facility capacity or its products.

14. Provide a list of reference facilities that most closely match what is being considered for Naugatuck. For the list of facilities, identify the location, facility size, acreage or square feet required, materials being processed, energy and material products produced, environmental controls, initial date of operation and performance history. Include the capital and O&M costs and revenues received. As available, provide a picture of each reference facility and contact information. Describe how the proposed facility for Naugatuck will differ in appearance, design or operation from the reference facilities.

15. Include a description of benefits to Naugatuck, including in general terms the anticipated environmental, operational, logistical and economic benefits of the proposal. In addition to proposed cost and revenues, economic benefits should include plans for use of local and regional goods and services.

16. Identify the number of construction jobs anticipated and the number of long-term operating jobs. When considering the number of long term operating jobs, please describe the potential for “sharing” employees, as appropriate, with the Wastewater Treatment Facility operator. Describe plans for use of existing employees and local labor.

17. Provide a statement describing your ability and willingness to privately finance the facility and a description of your financing plan, e.g., from internal sources or a combination of debt and equity. Describe your experience privately financing similar projects. *(ALTHOUGH PRIVATE FINANCING IS NOT ANTICIPATED, THIS INFORMATION IS REQUESTED AS A BACKUP IN THE EVENT THAT THE BOROUGH DOES NOT FINANCE THE PROJECT.)*

18. Include an estimate of project development and design and construction costs, operating and maintenance costs and product revenues. (Estimated costs should recognize the need for prevailing wages during construction, for bonding during construction to the full Biosolids Facility construction cost, for bonding during operations at a level equal to the annual operations and maintenance cost, and for provision of insurance consistent with industry practice during both construction and operations.) Also, provide an estimate of anticipated annual rent payments to the Borough, and describe the basis for a profit sharing plan. All costs, product revenues and rent payments should be shown in \$2018. Include an economic proforma for the project showing assumptions for project development, financing(see instructions below), design and construction costs, operating costs, product revenues, and annual rent payments to the Borough, all assuming a 20 year operating period. For purposes of this proforma, assume public financing using certificates of participation at a 5% annual interest rate amortized over 20 years, with the first payment of principal to be made at start of operations-August 2022. Include in the cost of financing payment of capitalized interest up to the time of operation (August 2022), one (1) year of debt service as a debt service reserve fund and an industry standard financing fee. Assume an annual escalation rate of 2% in projecting proforma numbers. Provide a present value calculation of the projected payments to the Borough, assuming a discount rate of 5%. *(NOTE: ALL COST INFORMATION FOR PHASE I PROPOSALS WILL BE CONSIDERED “PLANNING LEVEL” INFORMATION AND NOT CONSTITUTING FORMALLY PROPOSED OR GUARANTEED VALUES.)*

19. Describe your willingness and ability to enter in a public private partnership as described in this RFP. List any significant exceptions you may take.

20. Describe your willingness and ability, individually or as part of a team, to respond to a future RFP that will include operation of the Wastewater Treatment Facility and the sanitary sewer collection system as well as the Biosolids Facility.

21. Provide an executive summary of the Phase I proposal summarizing key factors of the proposal.

It is noted that, while individual design or construction firms may respond to this Phase I RFP, the Phase I RFP process will evaluate the ability of a firm or team of firms to provide complete, required Services. Therefore, interested companies are encouraged to consider teaming arrangements as necessary so as to be able to respond to the Phase I RFP as a complete, full biosolids service provider for Services for Phase I.

9.0 EXPENSE OF RFP RESPONSE

No honorarium, stipend, reimbursement or other such compensation is offered to those submitting or participating under any phase of the submittal or selection process.

The costs and expenses associated with the preparation of a response to this RFP, any additional requested information thereto, participation in interviews, and preparation of all other information required pursuant to this RFP, are at the sole cost and expense of the prospective responder. There should be no claims whatsoever against the Borough, its staff, or its consultants for reimbursement of prospective responder costs and expenses incurred as a result of this RFP.

10.0 QUESTIONS, RFP SUBMISSION AND CONTACT INFORMATION

One original and five (5) printed copies, each with a CD or thumb drive of the proposal should be delivered to:

James Stewart
Director of Public Works
Borough of Naugatuck
246 Rubber Avenue
Naugatuck, CT 06770

Tel: 203-720-7071
Fax: 203-720-5680
Email: jstewart@naugatuck-ct.gov

Mr. Stewart should be contacted should you have any questions regarding this RFP. All questions must be submitted to Mr. Stewart in writing no later than July 13, 2018. A response to questions will be issued to all recipients of the RFP as soon as possible, via Addenda to the RFP.

Should you wish to visit the existing facilities after the Pre-Submittal Information Meeting, please contact Mr. Stewart to arrange for such a visit.

Interested parties should not contact the Borough (other than Mr. Stewart) or representatives of the Borough. As noted above, inquiries or requests for additional information should be directed to Mr. Stewart.

Phase I proposals should be submitted to Mr. Stewart at the above address no later than 3:00 PM, local time, on July 31, 2018. Please label package "Phase I Proposal, Biosolids Facility, Naugatuck, Connecticut".

ATTACHMENT 1

BIOSOLIDS INFORMATION (Quantity, Characteristics(TS, Volatile Solids, metal content, nutrient content))

(SEE BOROUGH WEB SITE: [http:// www.naugatuck-ct.gov](http://www.naugatuck-ct.gov))

ATTACHMENT 2

SITE DRAWING (Existing WWTP Site and Adjoining Land)

(SEE BOROUGH WEB SITE: <http://www.naugatuck-ct.gov>)