



Solicitation Information
Date: April 3, 2014

RFP # 7548633

**TITLE: Technical Services to Evaluate the Implications of Climate Change
With Respect to Rhode Island Wastewater Collection and Treatment
Infrastructure**

SUBMISSION DEADLINE: Friday May 2, 2014 at 11:30 am (Local Time)

<p>PRE-BID/PROPOSAL CONFERENCE: YES: Thursday April 17, 2014 Time: 10:00 am (LT) Mandatory: No Location: Department of Administration, Conference Room C, Second Floor, One Capitol Hill, Providence, RI</p>

Questions concerning this solicitation must be received by the Division of Purchases at questions@purchasing.ri.gov **no later than 4/21/2014 at 4:00 pm (Local Time)**. Questions should be submitted in a Microsoft Word attachment. Please reference the RFP# on all correspondence. Questions received, if any, will be posted on the Internet as an addendum to this solicitation. It is the responsibility of all interested parties to download this information.

SURETY REQUIRED: No

BOND REQUIRED: No

Thomas Bovis
Interdepartmental Project Manager

Applicants must register on-line at the State Purchasing Website at www.purchasing.ri.gov

Note to Applicants:

Offers received without the entire completed four-page RIVP Generated Bidder Certification Form attached may result in disqualification.

THIS PAGE IS NOT A BIDDER CERTIFICATION FORM

SECTION 1 – INTRODUCTION

The Rhode Island department of Administration, Division of Purchases, on behalf of the Department of Environmental Management are soliciting proposals from qualified firms to Engineering Consulting Services as described elsewhere herein, and in accordance with the terms of this Request and the State's General Conditions of Purchase (available at www.purchasing.ri.gov).

This is a Request for Proposal (RFP), not an Invitation for Bid: responses will be evaluated on the basis of the relative merits of the proposal, in addition to price; there will be no public opening and reading of responses received by the Office of Purchases pursuant to this Request, other than to name those offerors who have submitted proposals.

Respondents to this solicitation are hereby advised that the respondent selected for award of a contract pursuant to this solicitation, and its affiliated or subsidiary companies (whether partially or wholly owned), shall be ineligible to bid upon any future consulting or construction solicitations which may arise from or relate to the services described in this solicitation. In addition, any sub-consultants or subcontractors engaged by the respondent selected for award of a contract who performs any services arising from this solicitation shall be ineligible to bid upon any future consulting or construction solicitations which may arise from or relate to the services described in this solicitation.

There is growing concern nationwide about the potential effects of climate change on existing wastewater collection and treatment infrastructure. The concerns relate to how issues such as increased storm and precipitation frequency and intensities, as well as sea-level rise and greater storm surge heights etc, will impact existing and planned wastewater infrastructure. These impacts may involve both the physical and operational aspects of wastewater systems. The major facilities associated with wastewater treatment systems— including the treatment facilities and critical collection system components (such as larger pump stations)—tend to be located in low-lying coastal and riverine waterways. It is important to evaluate the potential for physical and operational impacts to wastewater infrastructure and thus to identify specific vulnerabilities as well as adaptive strategies. These strategies are expected to include both short- and long-term actions that result in modifications of the infrastructure or its operations in order to improve its reliability under changing conditions.

Examples of these strategies include but are not limited to: the evaluation and prioritization of vulnerable infrastructure and any resulting necessary upgrades or relocation (either as a result of normal use-life/attrition or for emergency needs); vulnerability evaluations of normal transportation/delivery routes that may be closed or altered due to road closures (permanent or temporary); design standards for standby power/fuel storage in light of more frequent storms; impacts to infrastructure siting/design considerations during routine 20-year Facilities Planning activities. Based on these needs, a thorough evaluation of likely and potential impacts of climate change as currently understood will support efforts to develop and implement future adaptive strategies.

This project is a joint effort by the Rhode Island Department of Environmental Management, Office of Water Resources (RIDEM) and the Rhode Island Bays, Rivers, and Watersheds Coordination Team (RI BRWCT).

INSTRUCTIONS AND NOTIFICATIONS TO OFFERORS:

Potential Respondents are advised to review all sections of this RFP carefully and to follow instructions completely, as failure to make a complete submission as described elsewhere herein may result in rejection of the proposal.

In order to submit a proposal, Respondents must properly register with the State of Rhode Island. For information of registering, please see the Division's website at www.purchasing.ri.gov and under the heading "Vendor Registration Information".

All proposals shall include the Respondent's FEIN or Tax Identification number as evidenced by a W9, downloadable from the Division's website at www.purchasing.ri.gov.

Alternative approaches and/or methodologies to accomplish the desired or intended results of this procurement are solicited. However, proposals which depart from or materially alter the terms, requirements, or scope of work defined by this RFP will be rejected as being non-responsive.

All costs associated with developing or submitting a proposal in response to this RFP, or to provide oral or written clarification of its content shall be borne by the offeror. The State assumes no responsibility for these costs.

Proposals submitted in response to this solicitation shall be considered to be irrevocable for a period of not less than ninety (90) days following the opening date, and may not be withdrawn, except with the express written permission of the State Purchasing Agent.

All pricing submitted by Respondents in response to this solicitation shall be considered to be firm and fixed unless otherwise indicated herein.

Proposals misdirected to other than the Division of Purchases, or which are otherwise not submitted to the Division of Purchases prior to the time of opening for any cause shall be determined to be late and shall not be accepted, opened, or considered. The official time clock is located in the reception area of the Division of Purchases, 2nd floor, One Capitol Hill, Providence, RI.

In accordance with R. I. Gen. Laws § 7-1.2-1401 no foreign corporation has the right to transact business in Rhode Island until it has procured a certificate of authority so to do from the Secretary of State (401/222-3040) www.sos.ri.gov. However, this is a requirement only for successful bidder (s).

Respondents are advised that all documents and materials submitted to the Division of Purchases for consideration in response to this solicitation shall be considered to be public records, as defined in Title 38 Chapter 2 of the Rhode Island General Laws.

Respondents should be aware of all applicable MBE requirements, as set forth in R. I. Gen. Law § 37-14.1-1, *et seq.* The State's goal is for a minimum ten per cent (10%) participation by MBE's in all State procurements. For further information, contact the State MBE Administrator at (401) 574-8253 or charles.newton@doa.ri.gov, Visit the website <http://www.mbe.ri.gov/>

Interested parties are instructed to peruse the Division of Purchases web site on a regular basis, as additional information relating to this solicitation may be released in the form of an addendum to this RFP.

Equal Employment Opportunity-R. I. Gen. Laws § 28-5.1 Declaration of Policy. – (a) Equal opportunity and affirmative action toward its achievement is the policy of all units of Rhode Island state government, including all public and quasi-public agencies, commissions, boards and authorities, and in the classified, unclassified, and non-classified services of state employment. This policy applies in all areas where the state dollar is spent, in employment, public service, grants and financial assistance, and in state licensing and regulation. For further information, contact the Rhode Island Equal Employment Opportunity Office, at 222-3090 or via e-mail raymond1@gw.doa.state.ri.us

Subcontractors are permitted for this project, provided that the identity of the proposed subcontractor(s) and scope of the subcontractor's services are clearly stated in the Respondent's proposal.

Questions concerning this solicitation may be e-mailed to the Division of Purchases in accordance with the terms and conditions expressed on the cover page of this solicitation. All questions received by the Division of Purchases shall be posted on the Division of Purchases' website as an addendum to this solicitation. It is the responsibility of all interested parties to monitor the Division of Purchases' website for updated solicitation information and addenda.

- The Division of Purchases reserves the right to accept or reject any or all proposals submitted in response to this solicitation, to waive minor irregularities, or to negotiate with any Respondents, as necessary, to serve the best interests of the

NOTICE

THERE MAY BE ADDITIONAL ADDENDA TO THIS RFP AT ANY TIME BEFORE THE OPENING DATE AND TIME.

THE DIVISION OF PURCHASES WILL NOT BE NOTIFYING BY MAIL OF ANY SUCH ADDENDA.

IT IS THE APPLICANTS RESPONSIBILITY TO CHECK AND DOWNLOAD ANY AND ALL ADDENDA.

AN ADDENDUM TO AN RFP IS LISTED AS THE BID NUMBER WITH AN "A" AND THE NUMBER OF THE ADDENDUM FOLLOWING; FOR EXAMPLE 3025A1 INDICATES ADDENDUM #1 HAS BEEN ISSUED FOR BID 3025. 3025A2 INDICATES ADDENDUM #2 HAS BEEN ISSUED.

YOU MUST CLICK ON ALL OF THESE LISTINGS TO GET THE COMPLETE PACKAGE.

SECTION 2 - BACKGROUND AND PURPOSE

INTRODUCTION: Certain climate change related occurrences — such as sea level rise, temperature rise, changes to groundwater characteristics, changes in precipitation, changes to storm surge levels/events, changes in river hydrology and coastal hydrodynamics, and impacts from wind storms — are known to impact a community’s natural, social, and economic systems.

Identification and characterization of potential impacts is an essential step with respect to planning appropriate adaptation measures. Some needed actions may be able to be taken without significant disruption to existing operations; e.g. identification of alternate traffic routes and portable emergency power needs, long-term planning activities, flood-preparation procedures, etc. Other actions, such as relocation of key infrastructure, will require additional planning. The established process for wastewater facility planning utilizes at minimum a twenty-year horizon reflecting the inherent long-term nature of infrastructure and the time involved in planning and executing major modifications to such infrastructure. Rhode Island wastewater system operators have been exposed to limited information about the potential for climate change impacts and communities will be expected to integrate climate change considerations into future facility planning, although no firm RI DEM expectations are yet in place. This project is intended to provide information and actionable recommendations to facilitate operator and community education and future planning.

ADDITIONAL REQUEST SPECIFICS: The Rhode Island Bays, Rivers, and Watersheds Coordination Team (RI BRWCT) and the Rhode Island Department of Environmental Management, Office of Water Resources (RIDEM) are requesting proposals for technical services to conduct an assessment of the potential effects of climate change on Rhode Island wastewater collection and treatment infrastructure, as noted above, and recommend physical and operational strategies to manage these effects. The project is intended to build off other work being done in Rhode Island related to climate change adaptation, including that of the Coastal Resources Management Council, the RI Department of Health’s SafeWater RI study program, the Division of Planning, and of local universities.

The purpose of the assessment is to employ existing data and reports (especially existing reports that are specific to Rhode Island and the Northeast (see Attachment A for a listing)) to summarize the current state of climate change science as researched by international, national, and state entities—academic and government—and use this

information to characterize potential impacts on Rhode Island's wastewater collection and treatment infrastructure. Wastewater infrastructure within the scope of this project should include: (i) the nineteen major wastewater treatment facilities (see Attachment B for treatment facility listing); (ii) vulnerable wastewater collection systems that service these nineteen treatment facilities, including any major wastewater collection pumping stations or wastewater collection lines that may be prone to flooding or storm surge; and (iii) the Narragansett Bay Commission's Combined Sewer Overflow tunnel system.

The assessment should evaluate and answer important questions about:

- *Vulnerability*, (the extent to a system is exposed to climate change impacts how these impacts may damage or harm a system),
- *Sensitivity*, (the degree to which a system will respond to climate change),
- *Adaptability*, (the degree to which adjustments are possible in processes or structures), and
- *Sustainability*, (the capacity to endure).

The RI BRWCT and RIDEM stipulate that the project will begin with a compilation of existing technical information relevant to climate change in Rhode Island. This work should be primarily an effort to compile, synthesize, and summarize research or work conducted by others while avoiding being duplicative of other efforts to document climate change in RI; e.g. the 2012 Progress Report of the Rhode Island Climate Change Commission, etc. In addition, the project will involve the use of predictive tools, e.g. computer models (existing or otherwise) to project potential impacts of climate change on wastewater infrastructure under one or more scenarios. The project also will involve site visits to those Rhode Island wastewater systems that are characterized as having vulnerabilities to climate change. As needed, the site inspections will allow for the collection of additional site-specific information needed to accurately characterize potential impacts and to specify recommended mitigation actions.

SECTION 3 - SCOPE OF WORK

The scope of work involves the following tasks and deliverables. The project results will be compiled in a final project report.

Task 1. Assessing and summarizing climate change science and potential for climate change impacts

The vendor will compile, summarize, and use the current state of climate change science as researched by international, national, and state academic and governmental entities. This analysis and summary will be used to detail the specific impacts to WWTFs in Rhode Island. This task should build off prior efforts and existing resources, especially: Information from the United Nation's Intergovernmental Panel on Climate Change (IPCC) and the United States Federal Government (such as the National Oceanographic and Atmospheric Administration and the United States Geological Survey); the University of Rhode Island Sea Grant Inundation mapping and data; studies, mapping, and data from the RI Coastal Resources Management Council; reports of the RI Climate Change Commission; the RI Department of Health's SafeWater RI studies; RI Division of Planning studies on natural hazards and transportation infrastructure. (See Attachment A for sample resources.)

The vendor will then identify and compile major climate change related issues that currently or may in the future affect wastewater infrastructure. These issues include but are not limited to: sea level rise, inundation, coastal erosion, storm surge, increased riverine flooding, and rising groundwater levels, and wind damage. For coastal scenarios, the assessment must project conditions at 1-, 3-, and 5-feet of sea level rise from 2014 levels. Both coastal and inland scenarios should also be reported within 10-, 20-, 50-, and 100-year time frames. The project should consider alternative arrays of projections that are generally comparable and achieve the same purpose of reflecting change over the near-term and a long period.

Note: DEM would not expect the proposals to include new model development or evaluations where comparable public domain modeling or work product is available. Respondents may also choose to develop new or refined applications of existing available modeling tools as appropriate to meet the project objectives. Either way, modeling

work products and existing evaluations are expected to be paired with information on the physical locations of infrastructure to develop and implement a strategy for listing and prioritizing vulnerabilities to natural hazards at each treatment facility and key collection system components. It is DEM's intention that the assessment process will address, at minimum, all the items listed above (sea level rise, inundation, coastal erosion, storm surge, increased riverine flooding, wind damage, and rising groundwater levels).

Task 1 Deliverable: A statewide summary will be included in a final report with supporting documentation; e.g. calculations, maps.

Task 2. Preliminary Assessment of Potential Impacts of Wastewater Infrastructure

The vendor will use information gathered in Task 1 in combination with other information including but not limited to data collected from existing natural hazard evaluations, site inspections, staff interviews, available data from previous storm/surge/etc. events, and any appropriate technical analyses or modeling necessary to study and make a preliminary assessment of the potential impacts of climate-related changes on the subject wastewater infrastructure.

This preliminary assessment should include some ranking of system importance and impact to the community should the system fail. This task is intended to identify the universe of potentially impacted infrastructure while acknowledging that further characterization of the impact may be needed. For example, RIDEM expects this task will include an analysis of which important infrastructure is projected to be inundated due to rising sea levels and storm surge under the 1-, 3-, and 5-foot scenarios identified above, which will then be associated with specific time projections per the current state of understanding within the scientific community. Respondents should detail in their proposals the approach taken for identifying and assessing the infrastructure likely to be affected by climate change. The use of existing models or newly developed or adapted models should be specified as appropriate. It is expected that this work will include site inspections of at least some—and preferably all—wastewater systems. If necessary, site inspections should be prioritized based on the potential for impacts.

The vendor will summarize the findings from Task 1 and 2 in a memorandum and attach maps that clearly delineate infrastructure boundaries and major treatment/mechanical/structural systems. This should be overlaid with threat information (storm surge estimates, flood level estimates, etc.) A draft memorandum, with supporting documentation (e.g. maps) will be prepared for review and comment by RIDEM, other member agencies of the RI BRWCT, and any other interested partner that may provide valuable input to this study. Work will proceed to Task 3 contingent on the approval of the final memorandum.

Task 2 Deliverable: Draft and final memorandum with maps. Information will be incorporated as appropriate in final project report.

Task 3. Refined Assessment of Climate Change Impacts on Wastewater Infrastructure

Following the preliminary assessment, further work will be necessary to refine the characterization of climate change impacts on wastewater systems. This task will involve the additional work needed to better quantify or characterize the impacts. Based on the outcomes of previous tasks and input from DEM, the RI BRWCT, and other partners that DEM considers necessary, this task may involve additional site inspections, consultation with system operators, verification of site specific information, new model runs, among other sub-tasks. The purpose of this task is to collect sufficient information and conduct further analyses in order to refine the assessment of climate change impacts and support identification of specific adaptation measures. This task will also generate a summary that includes other visual information (graphs, etc.) necessary to convey the findings to a variety of audiences. This summary will also include written information that provides narrative overviews and necessary details related to climate change threats on subject infrastructure.

Task 3 Deliverable: Refined analysis with supporting documentation which will be included in the final report.

Task 4. Development of Recommendations for Adaptive Strategies

Based on the findings from the prior tasks, the vendor will develop listings of proposed recommendations for adaptation strategies that are both site specific and, when appropriate, of a general nature as related to wastewater infrastructure vulnerability to climate change. These should include adaptation recommendations related to the following: (1) statewide policy recommendations applicable to all wastewater systems; e.g. areas of policy that may be incorporated into future facility planning studies; (2) site-specific recommendations (prioritized by infrastructure importance, level of vulnerability, and likelihood of impact) for short- and long-term physical and operational measures that can be incorporated into existing wastewater systems; and (3) recommendations for long-term physical and operational systems alterations, including possible relocation of system components, etc. The recommendations should be documented in the final report, again prioritized as in Task2.

Note: To the extent possible, it will be helpful for recommendations developed for Task 4 to be compatible with and be able to be used for language in local hazard mitigation plans and local comprehensive plans.

Task 4 Deliverable: General and site-specific adaptation recommendations documented in the final report.

Task 5. Final Project Report.

The vendor will summarize all project-related work in a draft final report. The report shall include, but not be limited to: a description of the project approach; a summary of information compiled on climate change (Task 1); documentation of the work performed to produce preliminary and refined analyses of impacts to wastewater infrastructure (Task 2 & 3); and discussion of the findings from Task 3, documentation of field inspections, calculations and computer model analyses as applicable, discussion of general and site specific recommendations for adaptive measures or other future work (Task 4).

This draft final report will be reviewed by the DEM (and, if necessary, its partners) for a determination that the vendor met the intent of the submission. The vendor will be responsible for necessary revisions to the report. Discussions with DEM during the development of the initial “draft final” report may assist the vendor in meeting the DEM’s expectations for a final product.

Five copies of the final report in hardcopy as well as an electronic version of the report shall be provided. In addition, subject to software licensing requirements, where this contract results in the development or generation of software applications or work-products, including but not limited to, spreadsheets, maps, and populated models, RIDEM will require electronic copies of such be provided with the final report as to be specified in the contract resulting from this solicitation. Any GIS data generated by this project shall be submitted for inclusion in the RIGIS data, with appropriate metadata.

Task 5 Deliverable: Project report (draft and, after review, final.)

Task 6. Outreach/educational resources

Deliverable: Based on the project results, the vendor will develop and provide appropriate outreach materials, such as a simplified summary fact sheets, that are customized for each community to assist wastewater staff to better communicate with local decision makers, finance officials, the media, the general public, and ratepayers. These community-specific fact sheets shall come in specific forms for targeted audiences deemed appropriate for each community. These audiences may include the general public, public works staff, elected officials, etc.

Task 6 will also include cooperating with DEM’s media relations staff and media professionals to assist in

chronicling, where appropriate, this effort to better understand and respond to climate change impacts on community wastewater infrastructure.

Task 7. (RIDEM Optional Task) Environmental Assessment

At DEM’s direction, the vendor may be directed to prepare an Environmental Assessment in accordance with Sections VI.K and VII.C of the RIDEM Office of Water Resources Facilities Planning Checklist covering all of the capital improvement(s) at wastewater treatment system recommended under Task 4. This task would be expected to involve collecting additional data to support the environmental assessment and address the questions on the direct and indirect environmental impacts of the project. It is DEM’s intention that the assessment be structured in a manner to provide information separately for each wastewater system in a consolidated report. A draft report would be generated and be subject to review and comment by DEM. The vendor would address the comments in the final report. In cooperation with DEM and the wastewater systems, the vendor would participate in one public meeting during the development of the Environmental Assessment and one public hearing once the draft Environmental Assessment has been reviewed by RIDEM. As applicable the Environmental Assessment shall be sufficient to support a determination of a Categorical Exclusion or Finding of No Significant Impact as issued by the RIDEM Office of Water Resources.

Task 7 Deliverables: Draft Report, Response to Comments memorandum, participation in public meeting and hearing, written meeting summaries, Final Environmental Assessment Report.

For purposes of bidding, respondents should assume that ninety-five (95) capital projects are identified across the 19 wastewater systems; an average of 5 per system.

SECTION 4 – PROPOSAL SUBMISSION

Offerors are encouraged to submit written questions to the Division of Purchases. No other contact with State parties will be permitted. Interested offerors may submit proposals to provide the services covered by this Request on or before the date and time listed on the cover page of this solicitation. Responses received after this date and time, as registered by the official time clock in the reception area of the Division of Purchases will not be considered.

Responses (an original plus three copies) should be mailed or hand-delivered in a sealed envelope marked “**RFP # 7548633 “Implications of Climate Change for Rhode Island Wastewater Collection and Treatment Infrastructure Study.”**”

*RI Dept. of Administration
Division of Purchases, 2nd Floor
One Capitol Hill
Providence, RI 02908*

NOTE: Proposals received after the above-referenced due date and time will not be considered. Proposals misdirected to other State locations or those not presented to the Division of Purchases by the scheduled due date and time will be determined to be late and will not be considered. Proposals faxed, or emailed, to the Division of Purchases will not be considered. The official time clock is in the reception area of the Division of Purchases.

PROPOSAL CONTENTS

Proposals shall include the following:

- A completed and signed four-page R.I.V.I.P generated bidder certification cover sheet downloaded from the RI Division of Purchases Internet home page at www.purchasing.ri.gov.
- A completed and signed W-9 downloaded from the RI Division of Purchases Internet home page at www.purchasing.ri.gov and should be in proposal marked "**original**" only.
- A separate Technical Proposal describing the qualifications and background of the applicant and experience with and for similar projects, and all information described earlier in this solicitation. The Technical Proposal is limited to Twenty Five (25) pages (this excludes any appendices). As appropriate, resumes of key staff that will provide services covered by this request.
- A separate, **signed and sealed Cost Proposal**, in two-parts, reflecting the hourly rate, or other fee structure, proposed to complete all of the requirements of this project.

TECHNICAL PROPOSAL

The Technical Proposal shall contain the following sections:

➤ Executive Summary

The Executive Summary is intended to highlight the contents of the Technical Proposal and to provide State evaluators with a broad understanding of the offeror's technical approach and ability, including prior experience with similar projects.

➤ Offeror's Organization and Staffing

This section shall include identification of all staff and/or subcontractors proposed as members of the project team, their duties, responsibilities, and concentrations of effort, brief resumes/curricula vitae, and statements of prior experience and qualifications. Include a description of the business background and financial position of your organization, demonstrating stability and effective management and administrative performance.

➤ Work Plan/Approach

This section shall describe the offeror's understanding of the State's requirements, including the results intended and desired, the approach and or methodology to be employed, and a work plan for accomplishing the results proposed. Each task should be clearly identified and discussed.

➤ Previous Experience

This section shall include a comprehensive listing of similar projects undertaken and/or similar clients served, including a brief description of each item.

COST PROPOSAL

The Cost Proposal of both (1) a financial budget summary that lists the total cost for each task and the proposal as a whole and (2) a budget narrative that provides a detailed description of the projected budget for each task and major sub-task. The cost proposal should reflect the cost to provide services projected for each year (12 month period) of the project and presented in tables. Note: This project is not expected to exceed 12 months. Each task should

correspond to a deliverable identified in the work plan provided by the vendor as part of the proposal package.

- Cost proposal prices submitted will be considered **firm and fixed**.
- Cost proposal must include estimated level of effort (hours assigned to specific personnel) and hourly rates.
- Cost proposal should include all other costs for performing the tasks (subcontracts, supplies, equipment, mileage, etc.)
- Total funding expected to be available this project is currently **\$159,000**.

Note: Failure to fully disclose annual costs could result in disqualification.

SECTION 5 - EVALUATION AND SELECTION

The State will establish a Technical Review Committee that will evaluate and score combined Technical/Cost proposals received utilizing the following criteria resulting in a final ranking and recommendations selection:

SELECTION CRITERIA:

- **(10 Points)** – Overall quality and responsiveness of the proposal.
- **(25 Point)** – Relevant work experience of organization including familiarity with Rhode Island river and stream conditions. Vendor capacity, capability and qualifications.
- **(10 Points)** – Relevant work experience and qualifications of personnel assigned to the project.
- **(5 Points)** – Demonstration of managerial approach that will result in the successful and timely completion of the project, including adequate coordination with DEM.
- **(30 Points)** – Adequate description of each task, including cost per task, and timing and allocation of staff effort is included, reasonable and acceptable. Technical approach to project is acceptable.
- **(20 points)** – Lowest responsive cost proposal will be divided by the bidder's costs proposal. The resulting quotient is then multiplied by 15 to calculate the number of points awarded.

Proposals must score a minimum of 60 out of 80 points during the technical review to warrant further evaluation for cost considerations. Only proposals meeting that requirement will be evaluated for cost and assigned a maximum of 20 points in that category, bringing the potential maximum score to 100 points. Applicants may be required to submit additional written information or be asked to make an oral presentation before the Technical Review Committee to clarify statements made in their proposal. The Department of Environmental Management reserves the right not to fund any proposal(s).

Upon final selection approval, all respondents will be notified by the State, via a posting on the Division of Purchases website, that a final selection has been made.

At any point during the review process, any proposal found to be substantially non-responsive will be dropped from further consideration.

The State reserves the right to make an award or multiple awards or to reject any or all proposals based on what it considers to be in its best interest.

Attachment A:

Resources (Partial listing. Vendor may use others as well.)

“Hotspot” of accelerated sea-level rise on the Atlantic coast of North America:

<http://www.nature.com/nclimate/journal/v2/n12/full/nclimate1597.html>

Modeling sea level rise impacts on storm surges along the US coasts:

<http://iopscience.iop.org/1748-9326/7/1/014032/article>

Tidally adjusted estimates of topographic vulnerability to sea level rise and flooding in the contiguous United States:

<http://iopscience.iop.org/1748-9326/7/1/014033>

University of Colorado Sea Level Research Group webpage: <http://sealevel.colorado.edu/>

United Nations Intergovernmental Panel on Climate Change:

<http://www.ipcc.ch/>

Center for International Climate and Environmental Research - Oslo:

http://www.cicero.uio.no/home/index_e.aspx

US EPA's Climate Indicators Graphics and data on 26 climate indicators:

<http://www.epa.gov/climatechange/science/indicators/>

NOAA Climate Change Main Page:

<http://coastalmanagement.noaa.gov/climate.html>

NOAA Sea Level Rise Viewer

<http://csc.noaa.gov/slr/beta/viewer/>

United States Global Climate Change Research Program:

<http://www.globalchange.gov/>

American Metropolitan Water Agencies/Climate change information:

<http://www.amwa.net/cs/climatechange>

Rhode Island Climate Change Commission Enabling:

<http://webserver.rilin.state.ri.us/PublicLaws/law10/law10119.htm>

RI Climate Change Commission November 2012 Report

<http://www.rilin.state.ri.us/Reports/Climate%20Change%20Commission%20Prog%20Report%20Final%2011%2015%2012%20final%202.pdf>

CRMC Climate Page:

<http://www.crmc.ri.gov/climatechange.html>

Rhode Island Sea Grant Web Page:

<http://seagrants.gso.uri.edu/climate/>

RI Sea Grant Sea Level Rise and Climate Change Municipal Projects

<http://seagrants.gso.uri.edu/climate/sealevelrise.html>

Rhode Island DOH SafeWater RI

<http://www.health.ri.gov/materialbyothers/SafeWaterRIReport.pdf>

Attachment B:

Wastewater Treatment Facilities and Contacts.

<http://www.dem.ri.gov/programs/benviron/water/permits/wtf/potwops.htm>

(Refer to most current version online as occasional updates may be made.)

WASTEWATER TREATMENT FACILITY/SUPT.	POPULATION CENSUS 2010	ESTIMATED POPULATION SERVED BY SEWERS	DESIGN FLOW (MGD)	AVERAGE DAILY FLOW (MGD)	MAJOR TREATMENT SYSTEMS	RECEIVING WATERS
Town of Bristol José DaSilva, Superintendent Bristol WWTF 2 Plant Street Bristol, RI 02809 TEL: 253-8877 FAX: 253-2910	22,954	20,700	3.8	2.8	RBC's Chlorination Dechlorination	Bristol Harbor
Town of Burrillville John E. Martin, III Burrillville WWTF PO Box 71 Harrisville, RI 02830 TEL: 568-9463 FAX: 568-9464	15,955	9,700	1.5	0.7	Activated sludge Chlorination Phosphorous reduction Dechlorination	Clear River
City of Cranston (Veolia Water) Earl Salisbury Water Pollution Control Facility 140 Pettaconsett Ave. Cranston, RI 02920 TEL: 467-7210 FAX: 781-5260	80,387	73,200	20.2	13.2	Activated sludge BNR Chlorination Dechlorination Sludge Incineration	Pawtuxet River
Town of East Greenwich Mike Pacillo East Greenwich Town Hall PO Box 111 East Greenwich, RI 02818 TEL: 886-8619 FAX: 886-8652	13,146	6,000	1.7	0.8	RBC's BAF/Nutrient Removal UV Disinfection	Greenwich Cove
City of East Providence <i>serves:</i> East Providence Barrington Tom Azvedo E. Providence WWTF Crest Ave. Riverside, RI 02915 TEL: 433-6363 FAX: 433-4059	47,037 16,300	46,100 31,400 14,700	14.2	6.7	Activated sludge BNR/Nutrient Removal Chlorination Dechlorination	Providence River
Town of Jamestown Douglas Ouellette Jamestown Sewer Division 44 Southwest Ave. Jamestown, RI 02835 TEL: 423-7295 FAX: 423-7229	5,405	2,100	0.75	0.4	Extended Aeration Chlorination	Dutch Island Harbor/ Narragansett Bay East Passage

Narragansett Bay Comm. Bucklin Point (United Water) <i>serves:</i> Central Falls Cumberland East Providence Lincoln Pawtucket Smithfield Brent Herring NBC-Bucklin Point WWTF 102 Campbell Ave. East Providence, RI 02914 TEL: 434-6350 FAX: 438-5229	19,376 33,506 47,037 21,105 71,148 21,430	<u>120,000</u> 17,600 11,100 8,900 9,400 72,600 150	46.0	23.1	Activated sludge BNR UV Disinfection	Seekonk River
Narragansett Bay Comm. Fields Point <i>serves:</i> Johnston North Providence Providence Carmine Goneconte NBC-Fields Point 2 Ernest St. Providence, RI 02905 TEL: 461-8848 FAX: 461-0170	28,769 32,078 178,042	<u>226,000</u> 15,900 32,100 178,000	65.0	45.5	Activated sludge Chlorination Dechlorination	Providence River
Town of Narragansett Scarborough Facility Doug Nettleton Narragansett Town Hall 25 Fifth Ave., P.O. Box 777 Narragansett, RI 02882 TEL: 782-0682 FAX: 782-0681	15,868	7,300	1.4	0.6	Oxidation Ditch Chlorination Dechlorination	RI Sound
City of Newport (United Water) <i>serves:</i> Middletown Newport U.S. Navy Base Stephen Cushing Newport WWTF 250 J.T. Connell Highway Newport, RI 02840 TEL: 845-2000 FAX: 845-2014	17,334 26,475 --	<u>43,000</u> 7,435 26,400* 10,000* * Middletown is allocated 19.6% and the Newport Naval Station is allocated 27.1% of plant capacity.	10.7	8.4	Activated sludge Chlorination Dechlorination	Narragansett Bay East Passage
New Shoreham Chris Blane New Shoreham Sewer Commission PO Box 220 New Shoreham, RI 02807 TEL: 466-3231 FAX: 466-3237	1,010	300-700 (winter) 4,000 (summer)	0.3	0.1	Extended aeration BNR Chlorination Dechlorination	RI Sound

Quonset Point RI Dept. of Economic Development Dennis Colberg Quonset Development Corporation 95 Cripe Street North Kingstown, RI 02852 TEL: 294-6342 FAX: 295-7430	N/A	10,000	1.78	0.492	RBC's Chlorination	Narragansett Bay West Passage
Town of Smithfield (Veolia Water) Karen Goffe PO Box 17249 Smithfield, RI 02917 TEL: 231-1506 FAX: 231-7089	21,430	14,000	3.5	1.4	Activated sludge BNR Tertiary Treatment Chlorination Dechlorination	Woonasquatucket River
South Kingstown Regional WWTF <i>serves:</i> Narragansett South Kingstown University of RI Kathy Perez South Kingstown Town Hall 180 High St. Wakefield, RI 02879 TEL: 788-9771 FAX: 789-3070	15,868 30,639 --	<u>29,400</u> 13,000 9,800 6,600	5.0	2.4	Activated sludge Chlorination Dechlorination	RI Sound
Town of Warren (United Water) David Komiega 427 Water St. Warren, RI 02885 TEL: 245-8326 FAX: 245-8713	10,611	8,000	2.01	1.8	Activated sludge Chlorination Dechlorination	Warren River
City of Warwick Patrick Doyle Warwick Sewer Authority 125 Arthur W. Devine Boulevard Warwick, RI 02886 TEL: 739-4949 FAX: 739-1414	82,672	60,200	7.7	4.5	Activated Sludge BNR Chlorination Dechlorination	Pawtuxet River
Town of Westerly (United Water) Scott Duerr P.O. Box 2924 Westerly, RI 02894 TEL: 596-2847 FAX: 348-9504	22,787	16,500	3.3	2.5	Activated Sludge BNR Chlorination Dechlorination	Pawcatuck River

<p>Town of West Warwick <i>serves (portions of):</i> Coventry Cranston East Greenwich Warwick West Greenwich West Warwick</p> <p>Bernie Bishop, Acting Superintendent West Warwick Regional WWTF 1 Pontiac Ave. West Warwick, RI 02893 TEL: 822-9228 FAX: 823-3620</p>	<p>29,191 35,014 80,387 13,146 89,672 6,135 29,191</p>	<p><u>31,600</u> 1,200 200 20 930 30 29,200</p>	<p>7.9</p>	<p>5.2</p>	<p>Activated Sludge BAF/Nutrient Removal UV Disinfection</p>	<p>Pawtuxet River</p>
<p>City of Woonsocket (CH2MHILL) <i>serves:</i> North Smithfield Woonsocket Bellingham Blackstone, MA</p> <p>James Lauzon Woonsocket WWTF 11 Cumberland Hill Rd. (rear) Woonsocket, RI 02895 TEL: 762-5050 FAX: 762-5143</p>	<p>11,967 41,186 4,854 9,026</p>	<p><u>51,400</u> 5,200 41,200 2,000 3,000</p>	<p>16.0</p>	<p>9.3</p>	<p>Activated Sludge BNR, Tertiary Treatment Chlorination Dechlorination</p>	<p>Blackstone River</p>