RESOLUTION #51-17

2017 Revenue Fund

BE IT RESOLVED, by the South Monmouth Regional Sewerage Authority that Revenue Fund Requisition #07-17 in the total amount of $355,096.42 hereby approved for transfer as follows:

1. That $222,247.27 is transferred from the Revenue Fund to the Operating Fund in satisfaction of all approved bills attached hereto and made a part thereof as of this date.

2. That $132,849.15 is transferred from the Revenue Fund to the Payroll Fund to reimburse the Authority for the prior month’s gross payroll and employer payroll taxes.

BE IT FURTHER RESOLVED, that bills listed in the aforesaid Revenue Fund Requisition be and are hereby approved for payment from the Operating and Payroll Funds.

CERTIFIED TO BE A TRUE COPY OF A RESOLUTION DULY ADOPTED BY THE SOUTH MONMOUTH REGIONAL SEWERAGE AUTHORITY AT ITS REGULAR OPEN PUBLIC MEETING ON 07-13-17.

BY:  
E. GENE CORY - SECRETARY
2017 REVENUE FUND REQUISITION

Requisition #07-17
Total of Requisition: $355,096.42
Date: July 13, 2017

CERTIFICATION

I hereby certify, on behalf of the South Monmouth Regional Sewerage Authority, that the expenses listed on the attached Revenue Fund Requisition have been approved for payment by the Authority. I further certify that (1) the expenses listed are reasonable, (2) the amounts being requisitioned for expenses plus amounts previously requisitioned during the present fiscal quarter for expenses classifiable in the same accounts do not exceed the amounts budgeted for those accounts for the quarter in the current budget on file with the Trustee.

SOUTH MONMOUTH REGIONAL SEWERAGE AUTHORITY

BY: [Signature]
VICE CHAIRWOMAN – MARY L. BURNE
SOUTH MONMOUTH REGIONAL SEWERAGE AUTHORITY  
Supplemental Information to Requisition # 07 - 17  
13-Jul-17 

Total amount of checks  

155,067.45  

Plus:  

State Health Benefit Programs - Medical  
35,092.44  
State Health Benefit Programs - Rx  
8,735.61  
State Health Benefit Programs - Retirees  
20,906.07  
BC/BS - Dental Program  
616.32  
VSP - Eye Care  
1,829.38  

Re-imburse SMRSA for June, 2017 Gross Payroll  
123,872.20  
Re-imburse SMRSA for June, 2017 Employer Portion Federal Payroll Taxes  
8,976.95  

SUB - TOTAL  
200,028.97  

Adjustments:  

0.00  
0.00  
0.00  

SUB - TOTAL  
0.00  

REQUESTED AMOUNT OF WIRE TRANSFER  
355,096.42  

WIRE INSTRUCTIONS:  

A/P Checks  
155,067.45  
SHBP  
64,734.12  
Dental/ Vision  
2,445.70  
Adjustments  
0.00  

TO OPERATING ACCOUNT  
222,247.27  

Payroll & Related Taxes  
132,849.15  
Adjustments  
0.00  

TO PAYROLL ACCOUNT  
132,849.15  

REQUESTED AMOUNT OF WIRE TRANSFER  
355,096.42  
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RESOLUTION #52-17

Construction Project Fund

BE IT RESOLVED, by the South Monmouth Regional Sewerage Authority that bills listed in Construction Project Fund Req. #07-17 and totaling $8,148.48 be and are hereby approved for payment from the Construction Project Fund.

CERTIFIED TO BE A TRUE COPY OF A RESOLUTION Duly ADOPTED BY THE SOUTH MONMOUTH REGIONAL SEWERAGE AUTHORITY AT ITS REGULAR OPEN PUBLIC MEETING ON 07-13-17.

E. GENE CORY - SECRETARY
SOUTH MONMOUTH REGIONAL SEWERAGE AUTHORITY
CONSTRUCTION PROJECT FUND

Requisition No. CPF #07-17
Date: July 13, 2017

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<td>100 Crystal Run Road; Suite 101</td>
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<td>T&amp;M Associates</td>
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<td>Attn: Richard Crane</td>
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| T&M Associates                         | Co-Generation - Permitting       | $ 1,927.72 |
| P.O. Box 828                           | LAF323685                        |            |
| Red Bank, NJ 07701                      |                                  |            |
| Attn: Richard Crane                     |                                  |            |

**TOTAL**                                 **$ 8,148.48**

IN CONNECTION THERewith, WE CERTIFY THAT THE ABOVE OBLIGATIONS TO BE PAID WERE PROPERLY INCURRED BY THE AUTHORITY AND ARE PROPER CHARGES AGAINST THE CONSTRUCTION FUNDS. THE AMOUNTS TO BE PAID BY THIS REQUISITION ARE DUE AND UNPAID AND THERE ARE NO LIENS OR OTHER CLAIMS AFFECTING THE RIGHT TO PAYMENT WHICH SHOULD BE SATISFIED AND DISCHARGED BEFORE PAYMENT IS MADE OR WHICH WILL NOT BE DISCHARGED BY THIS PAYMENT.

SOUTH MONMOUTH REGIONAL SEWERAGE AUTHORITY

BY:

GARY MCLEAN – TREASURER
RESOLUTION #54-17

Resolution to Adopt a Corrective Action Plan Pursuant to the Auditor's Recommendations in the 2016 Audit

WHEREAS, the audit report of the South Monmouth Regional Sewerage Authority for the year ending December 31, 2016 as required by N.J.S.A. 40A: 5-16 contained findings and recommendations by the Auditor; and

WHEREAS, pursuant to the N.J.S.A. 7, 5:31-7.6, requires a corrective action plan in the form of a resolution be adopted by the governing body with respect to findings and recommendations made in the audit; and

WHEREAS the Executive Director and Staff has made effective the following corrective action:

Corrective Action 2016:

1. All transfers to unrestricted designated accounts will be approved by budget appropriation or Authority resolution.

NOW THEREFORE BE IT RESOLVED, by the South Monmouth Regional Sewerage Authority that this Corrective Action Plan be adopted; and

BE IT FURTHER RESOLVED, that the Executive Director be and is hereby authorized and directed to submit to the Division of Local Government Services this Corrective Action Plan according to the N.J.S.A. 7, 5:31-7.6.

CERTIFIED TO BE A TRUE COPY OF A RESOLUTION DULY ADOPTED BY THE SOUTH MONMOUTH REGIONAL SEWERAGE AUTHORITY AT ITS REGULAR OPEN PUBLIC MEETING ON 07-13-17.

E. GENE CORY – SECRETARY
RESOLUTION #55-17

A Resolution Authorizing an Additional Services Amendment
to the existing Professional Engineering Services Agreement with T&M
Associates for SMRSA CO-Gen Resiliency Upgrades

WHEREAS, the South Monmouth Regional Sewerage Authority (SMRSA) owns and
operates an existing Biogas Fueled Cogeneration facility which generates Combined Heat and
Power for onsite consumption; and

WHEREAS, the SMRSA has identified upgrades necessary to accomplish the
Authority’s goals of operating as an “island” during third party commercial power outages; and

WHEREAS, the Executive Director has been previously authorized and directed to
engage the services of T&M Associates to perform Professional Engineering Design/Permitting
Services for the SMRSA Co-gen Resiliency Upgrades in accordance with their proposal dated
October 19, 2016 as detailed in Resolution #95-16 a copy of which is attached hereto and made
apart thereof (Attachment A); and

WHEREAS, during the course of the aforementioned Design/Permitting phase(s),
additional services and unanticipated costs have been incurred by T&M Associates; and

WHEREAS, after meeting and negotiating the matter, T&M Associates has submitted
correspondence dated July 11, 2017, which is attached hereto and made apart thereof
(Attachment B), which details its additional service(s) and unanticipated costs associated with
the project; and

WHEREAS, the SMRSA’s Executive Director and Authority Engineer concur with the
engineer’s opinion of additional services and unanticipated costs as detailed by T&M Associates
and agree that an additional services Amendment to the Professional Engineering Services
contract is in order.

NOW, THEREFORE, BE IT RESOLVED by the South Monmouth Regional
Sewerage Authority that:

1. The Executive Director is hereby authorized and directed to execute the Additional
Services Amendment and any and all related documents that might be required to
affect this change.

2. The Financial Officer of the Authority has certified that there are sufficient funds
available to pay the compensation for said services.
FURTHER BE IT RESOLVED by the South Monmouth Regional Sewerage Authority that the statements contained in the foregoing preamble be and are hereby incorporated into this Resolution as if more fully set forth herein at length.

CERTIFIED TO BE A TRUE COPY OF A RESOLUTION DULY ADOPTED BY THE SOUTH MONMOUTH REGIONAL SEWERAGE AUTHORITY AT ITS REGULAR OPEN PUBLIC MEETING ON 07-13-17

[Signature]
E. GENE CORY – SECRETARY
RESOLUTION # 95-16

A Resolution Awarding a Professional Engineering Services Contract to T&M Associates for Co-Generation Resiliency Upgrades

WHEREAS, The South Monmouth Regional Sewerage Authority (SMRSA) owns and operates an existing Biogas Fueled Cogeneration facility which generates Combined Heat and Power for onsite consumption; and

WHEREAS, The SMRSA has identified upgrades necessary to accomplish the Authorities goals of operating as an “island” during third party commercial power outages; and

WHEREAS, a feasibility report previously prepared by T&M Associates has identified certain resiliency upgrades necessary to meet the requirements in order to qualify for funding under the New Jersey Economic Development Authority’s New Jersey Energy Resilience Bank; and

WHEREAS, it is the desire of the SMRSA to be protective of the environment, proactive with its maintenance and asset management, and remain in compliance and consistency with current New Jersey Department of Protection rules; and

WHEREAS, the scope of this Co-Gen Resiliency Upgrades project will consist of, but not be limited to:

- Addition of a third dual fuel 270KW ICE/Generator system
- Addition of dual fuel capability and replacement of generator ends for the two(2) existing 140 KW ICE/Generators
- Addition of power factor correction devices at the SMRSA Wastewater Treatment Plant facility

WHEREAS, T&M Associates has been chosen under a Fair and Open process from a pool of three Request for Proposals to be the most qualified and cost effective firm to provide professional engineering services for said project; and

WHEREAS, T&M Associates has submitted a cost to conduct said engineering tasks that are required for this project dated October 19, 2016 for Preliminary Design, Design Engineering, Permitting and Construction Administration Services, which has been attached hereto and made a part hereof (ATTACHMENT A); and

WHEREAS, SMRSA’s Management have reviewed and recommend these engineering tasks related to this project; and

NOW, THEREFORE, BE IT RESOLVED by the South Monmouth Regional Sewerage Authority that:
• The Authority shall herein engage the services of T&M Associates, to perform Design Engineering (Task 2) and Permitting (Task 2) services for the Cogeneration Resiliency Upgrades project in accordance with their proposal of October 19, 2016 at a cost for Time and Materials Not to Exceed $100,000 for Design and at a cost not to exceed $15,000 for Permitting. The total authorization for Engineering Design (Task 2) and Permitting (Task 3) herein shall be of a value not to exceed $115,000.

• The Financial Officer of the Authority has certified and that there are sufficient funds available to pay the compensation for said services.

• That the Executive Director be and is hereby authorized and directed to execute said contract on behalf of the Authority.

• That the Executive Director be and is hereby authorized and directed to take all necessary and required actions to comply with the Public Notification of a contract award in compliance with the Local Public Contracts and Play to Play Rules and Regulations.

LASTLY BE IT RESOLVED by the South Monmouth Regional Sewerage Authority that the statements contained in the foregoing preamble be and are hereby incorporated into this Resolution as if more fully set forth herein at length.

CERTIFIED TO BE A TRUE COPY OF A RESOLUTION DULY ADOPTED BY THE SOUTH MONMOUTH REGIONAL SEWERAGE AUTHORITY AT ITS REGULAR OPEN PUBLIC MEETING ON 11/10/16

MARY L. BURNE - SECRETARY
Mr. Michael Ruppel, Executive Director  
South Monmouth Regional Sewerage Authority  
1235 18th Avenue  
Belmar, New Jersey 07719  

Re: Professional Engineering Services  
Co-Gen Resiliency Upgrades Project  

Dear Mr. Ruppel:

T&M Associates issued our formal proposal to the Authority for the above referenced project dated October 19, 2016 for a professional engineering fee in the amount of $150,000.00. Our proposed fee included scope of work services associated with Phase 1 - Preliminary Design, in the amount of $10,000, Phase 2 - Design Engineering Services, in the amount of $100,000, Phase 3 - Permitting, in the amount of $15,000 and Phase 4 - Construction Management, in the amount of $25,000. The Authority, through Engineering Agreement dated November 11, 2016, awarded the project to T&M Associates for Phase 2 and Phase 3 scope of services only.

As you are aware, the Bid Documents consisting of design drawings and specifications have been completed and are ready for bid advertisement pending approval of the submitted air permit application from the New Jersey Department of Environmental Protection (NJDEP).

During our execution of the project, T&M has incurred additional professional engineering costs as a result of additional design scope of work items and unanticipated level of effort associated with responding to and resolving NJDEP’s review comments on the submitted air permit application. Our incurrence of additional professional engineering costs is summarized below.

**Phase 2 - Design Engineering Services**

Our additional design scope of work items are as follows:

- Additional field investigation associated with reutilizing existing belowground electrical conduits for installation and connection of the necessary cogeneration system power wiring to the existing plant electrical distribution system located adjacent to the Control Building. The result of the additional field investigation revealed that the existing belowground electrical conduit system can be utilized resulting in an anticipated construction cost savings of $225,000.00. Additional level of effort: 50 hours;
• Incorporation of a new digester cover level system into the design bid documents to enhance the control and operation of the upgraded cogeneration system. Additional level of effort: 40 hours;
• Because of the complexity of providing “islanding” capability at the facility, additional design meetings and conference calls between the Authority, engine manufacturer and T&M were conducted which was not envisioned during the preparation of our professional engineering fee proposal. These meetings resulted in a sound “islanding” system design and testing procedure to ensure compliance with the bid documents. Additional level of effort 35 hours;
• Updating of the new and upgraded engine specifications to include an oxy catalyst system for each engine to comply with the review comments made by the NJDEP on the air permit application submittal. Additional level of effort 10 hours.

Based upon the above identified additional design scope of work items for Phase 2, T&M is requesting an additional professional engineering fee of $19,750.00 representing an additional 135 hours of engineering professional time.

Phase 3 - Permitting

T&M prepared our professional engineering fee and level of effort for this task to include updating of the Authority’s existing air permit for the incorporation of a third new engine knowing that the existing air permit included provisions for a third engine, therefore, a minimal level of effort was assumed and assigned to the air permitting scope of work. This assumption was later validated by the NJDEP when we met with them back in December 2016 to discuss the project scope of work and the upcoming air emission application submission requirements.

Upon submission of the air permit application, the assigned reviewer required that the Authority revise the entire air permit to include prohibiting the boilers and furnace from consuming digester gas as fuel, compliance with the NJDEP N.J.A.C. Title 7, Chapter 27, Subchapter 9, Sulfur in Fuels and demonstrate compliance with the NJDEP N.J.A.C. Title 7, Chapter 27, Subchapter 8, Permits and Certificates for Minor Facilities, specifically Table B Reporting and SOTA thresholds for HAPs; all of which requires a significant additional level of effort beyond adding a third engine to the existing permit as described in the above paragraph.

Therefore, our additional level of effort associated with air permitting is as follows:

• Developing spreadsheets to calculate the various constituent HAP emissions shown in Table B of N.J.A.C. Title 7, Chapter 27, Subchapter 8;
• Updating emission and fuel consumption calculations associated with prohibiting the existing boilers and furnace from consuming digester gas as fuel;
• Numerous updates of the digester system process flow diagram to comply with reviewer’s comments.
Based upon the above identified additional level of effort for Phase 3, T&M is requesting an additional professional engineering fee of $9,375.00 representing an additional 64 hours of engineering professional time.

Therefore, based upon the above, T&M Associates is respectfully requesting that the Authority authorize an additional professional engineering fee of $19,750.00 to be added to Phase 2 and $9,375.00 to Phase 3 for a total of $29,125.00.

The revised budget status upon approval of the above requested additional professional engineering fee is as follows:

**Phase 2 - Design Engineering Services**

<table>
<thead>
<tr>
<th>Original Budget:</th>
<th>$100,000.00</th>
</tr>
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<tbody>
<tr>
<td>Requested Additional Professional Engineering Fee:</td>
<td>$19,750.00</td>
</tr>
<tr>
<td>Revised Budget Amount:</td>
<td>$119,750.00</td>
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</table>

**Phase 3 - Permitting**

<table>
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<th>Original Budget:</th>
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<tbody>
<tr>
<td>Requested Additional Professional Engineering Fee:</td>
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</tr>
<tr>
<td>Revised Budget Amount:</td>
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</tbody>
</table>

Thank you for your consideration in this matter. If you have any questions or require additional information, please do not hesitate to call.

Very truly yours,

T&M ASSOCIATES

[Signature]

RICHARD CRANE, P.E. BCEE
VICE PRESIDENT

RPC:scb
cc. Ryan Krause
    Bernard Bujak
G:\Projects\SMSA\X0110\Correspondence\Ruppe|RFC_Change Order Request.docx
ATTACHMENT B

ADDITIONAL SERVICES AMMENDMENT TO ENGINEERING AGREEMENT BETWEEN SOUTH MONMOUTH REGIONAL SEWERAGE AUTHORITY & T&M ASSOCIATES FOR PROFESSIONAL ENGINEERING SERVICES RELATED TO CO-GEN RESILIENCY UPGRADES

In accordance with Section II- Additional Services:

By way of Resolution #55-17, the Authority hereby authorizes the following Additional Services as outlined in the Engineer's correspondence dated July 11, 2017:

Phase 2
Additional Professional Engineering Services in the amount of $19,750.00

Phase 3
Additional Permitting Services in the amount of $9,375.00

IN WITNESS WHEREOF, the OWNER and ENGINEER have caused this Instrument to be executed in its respective name and behalf as of the day and year herein written.

By: ________________________________
Michael Ruppel
Executive Director
South Monmouth Regional Sewerage Authority

WITNESS:

By: ________________________________
Christine Brophy

By: ________________________________
WITNESS:

By: ________________________________
T&M Associates

Print Name: ________________________
RESOLUTION #56-17

A Resolution Declaring a State of Emergency
Due to the Failure of the HVAC Condenser System in the Control Building

WHEREAS, there has been a failure of the HVAC condenser system that supports the South Monmouth Regional Sewerage Authority’s Control Building; and

WHEREAS, said system is a 10 year old unit that is beyond its useful lifecycle and the state of its integrity is that complete failure is imminent; and

WHEREAS, the value of a system replacement is expected to exceed the Local Pay to Play value but not the public bidding threshold with Local Units employing a Qualified Purchasing Agent of the public contracts law; and

WHEREAS, maintaining operations in the Control Building is paramount to the Authority meeting its NJPDES permit discharge requirements and more specifically adequate quality control standards within its on-site laboratory; and

WHEREAS, exceptions to the treatment plant operations and/or laboratory control can lead to negative environmental impacts as well as fines and/or penalties from regulatory agencies; and

NOW, THEREFORE, BE IT RESOLVED, by the South Monmouth Regional Sewerage Authority that:

1. An emergency exists as a result of the failure of the HVAC condenser system that supports the Control Building.

2. The Financial Officer of the Authority has certified that there are sufficient funds available to replace said system.

3. The Executive Director is further authorized to take whatever steps are necessary to replace said system as quickly and cost effectively as possible.

CERTIFIED TO BE A TRUE COPY OF A RESOLUTION DULY ADOPTED BY THE SOUTH MONMOUTH REGIONAL SEWERAGE AUTHORITY AT ITS REGULAR OPEN PUBLIC MEETING ON 7-13-17.

[Signature]
E. GENE CORY - SECRETARY