

ELECTRONIC PACKET

February 11, 2019 OPERATIONS COMMITTEE MEETING

RELEASED: Monday, February 4, 2019



Milwaukee Metropolitan Sewerage District

260 West Seeboth
Street
Milwaukee, WI
53204

Meeting Agenda Operations Committee

Kathy Ehley, Chair
John Swan, III, Vice Chair
Cavalier C. Johnson, LaTonya Johnson, Carl Krueger
Kris Martinsek, Ex-Officio

Monday, February 11, 2019

9:00 AM

Dennis M. Grzezinski Conference Room

NOTICE IS HEREBY GIVEN, pursuant to Section 19.84, Wisconsin Statutes, that the Milwaukee Metropolitan Sewerage District's Operations Committee will hold its regularly scheduled public meeting on Monday, February 11, 2019 at 9:00 a.m. or immediately following the conclusion of the Commission meeting, which begins at 9:00 a.m., at the District's Headquarters, 260 W. Seeboth Street, Milwaukee, Wisconsin, in the Dennis M. Grzezinski Conference Room.

PURSUANT TO SECTION 19.85(1)(g), Wisconsin Statutes, the Committee reserves the right to go into Closed Session on any item on the public portion of the agenda to confer with Legal Counsel when it appears the matter may involve the District in litigation. If the Committee does convene in such a Closed Session, it is contemplated that the Committee will again, before adjourning the meeting, reconvene at the same place in Open Session at which time the Committee may act upon any item(s) considered in the Closed Session and upon any unfinished items from the regular agenda.

CALL TO ORDER

RECORD ROLL

Approval of Proceedings of Regular Committee Meeting held January 14, 2019

NEW BUSINESS

- 1 **19-017-2** Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1169, Jones Island Water Reclamation Facility Dryers 1, 3, 6, 7 Blade Replacements
- 2 **19-018-2** Contract J01013D01, Engineering Services - Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility
- 3 **19-019-2** Contract J04061D01, Engineering Services - Programmable Logic Controller 5 Upgrade in the Dewatering and Drying Facility
- 4 **19-020-2** Contract P01006D01, Engineering Services - Interplant Solids Pipeline Replacement at the South Shore Water Reclamation Facility

- 5 19-021-2 Award of Contract S04031C04, 18-Inch Digester Gas Pipeline Replacement at South Shore Water Reclamation Facility
- 6 19-022-2 Change Order Two to Contract J06056C01, Turbine Extended Services Agreement

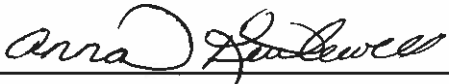
ORGANIZATION & ADMINISTRATION

19-001-1 EXECUTIVE DIRECTOR'S REPORT

A. Monthly Reports

ADJOURNMENT

PLEASE NOTE: Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through sign language interpreters or other auxiliary aids. For additional information or to request these services, contact the Office of the Commission at 414.225.2264, (FAX) 414.272.5057 or write to Office of the Commission, 260 W. Seeboth Street, Milwaukee, Wisconsin, 53204-1446.



Anna Kettlewell, Commission Secretary
Milwaukee Metropolitan Sewerage District



Milwaukee Metropolitan Sewerage District

260 West
Seeboth Street
Milwaukee, WI
53204

Meeting Minutes Operations Committee

Kathy Ehley, Chair
John Swan, III, Vice Chair
Cavalier C. Johnson, LaTonya Johnson, Carl Krueger
Kris Martinsek, Ex-Officio

Monday, January 14, 2019

9:00 AM

Dennis M. Grzezinski Conference Room

CALL TO ORDER

Committee Chair Commissioner Ehley called the meeting to order at 9:00 a.m.

RECORD ROLL

Present 5 - Kathy Ehley, LaTonya Johnson, Carl Krueger, Kris Martinsek, and John Swan III
Excused 1 - Cavalier C. Johnson

Other Commissioners Present: Dan Devine, Eugene Manzanet, and Jeff Stone.

Approval of Proceedings of Regular Committee Meeting held December 3, 2018

A motion was made by Commissioner Swan, seconded by Commissioner Krueger. The motion carried.

NEW BUSINESS

- 1 19-005-1 Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1125, Inline Storage System Dropshaft Site, NS12 - Gate Cylinder #1 Replacement, and Material Capital Repair or Replacement No. 1147, Inline Storage System Dropshaft Site, NS09 - Gate Cylinder #2 Replacement

The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.

A motion was made by Commissioner Swan, seconded by Commissioner L. Johnson, that this matter be approved by a voice vote. The motion carried by a unanimous voice vote.

- 2 19-006-1 Contract W40016D01, Engineering Services, Kinnickinnic River Sewer Modifications
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner L. Johnson, seconded by Commissioner Krueger, that this matter be approved by a voice vote. The motion carried by a unanimous voice vote.**
- 3 19-007-1 Change Order 2 to Contract TS-2620, Management, Operation, Maintenance, and Emergency Response Services for the Milwaukee Metropolitan Sewerage District's Landfill Gas Pipeline Facilities, and Restore the Executive Director's Original Delegated Authority
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Swan, seconded by Commissioner L. Johnson, that this matter be approved by a voice vote. The motion carried by a unanimous voice vote.**
- 4 19-008-1 Award of Contract W50005D05, Demolition of Structures on 1436 E. Forest Hill Avenue Property
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Krueger, seconded by Commissioner Swan, that this matter be approved by a voice vote. The motion carried by a unanimous voice vote.**
- 5 19-009-1 Change Order 4, Contract S06041C01, South Shore Water Reclamation Facility Caterpillar Engines 2, 3, and 4 Major Overhaul
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Swan, seconded by Commissioner L. Johnson, that this matter be approved by a voice vote. The motion carried by a unanimous voice vote.**
- 6 19-010-1 Approval of Contract G98005P09, 2018 Green Solutions Program, and Change Order One, Contract M03076P53, 2018 and 2019 Green Solutions Programs
- The Committee received a PowerPoint presentation from Karen Sands, Director of Planning, Research, and Sustainability.*
- A motion was made by Commissioner Swan, seconded by Commissioner L. Johnson, that this matter be approved by a voice vote. The motion carried by a unanimous voice vote.**

- 7 19-011-1 Change Order Two, Contract S06010C01, South Shore Water Reclamation Facility Nonhazardous Site Lighting Upgrade, Restore the Executive Director's Original Delegated Authority, and Approve Changes in Total Contract Cost

The Committee received a PowerPoint presentation from Karen Sands, Director of Planning, Research, and Sustainability.

A motion was made by Commissioner Swan, seconded by Commissioner L. Johnson, that this matter be approved by a voice vote. The motion carried by a unanimous voice vote.

ORGANIZATION & ADMINISTRATION

19-001-1 EXECUTIVE DIRECTOR'S REPORT


A. Monthly Reports

A. No report.

ADJOURNMENT

It was moved by Commissioner Krueger, seconded by Commissioner Swan, to adjourn. The motion carried.

As there was no further business, the meeting was adjourned at 9:32 a.m.



Anna Kettlewell, Commission Secretary
Milwaukee Metropolitan Sewerage District



COMMISSION FILE NO: 19-017-2 **DATE INTRODUCED:** February 11, 2019

INTRODUCED BY: Executive Director (Signature on File in the Office of the Commission)

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1169, Jones Island Water Reclamation Facility Dryers 1, 3, 6, 7 Blade Replacements

SUMMARY:

The Commission is requested to authorize the Executive Director to execute a purchase order with Veolia Water Milwaukee, LLC, (VWM) for Material Capital Repair or Replacement (MCRR) No. 1169, Jones Island Water Reclamation Facility (JIWRF) Dryers 1, 3, 6, 7 Blade Replacements, in an amount not to exceed \$473,577.

At JIWRF, Milorganite® is produced within the Dewatering and Drying Facility. The sludge drying process utilizes 12 rotary dryers, each approximately eight feet in diameter and 57 feet in length, to heat-dry dewatered biosolids, producing Milorganite®. Each dryer utilizes steel blades of various shapes and sizes attached to the inside dryer surface to mix and transport the biosolids through the dryer as drying is accomplished.

Over time, the highly abrasive nature of Milorganite® erodes the entire contact surface and cross section of the blades, reducing mixing, throughput, and drying effectiveness. Blades can become detached from the dryer interior surface, which can then damage the dryer interior.

VWM has assessed the condition of Dryers 1, 3, 6, and 7, and District staff concurs with their recommendation to replace and repair the blades and associated equipment in these dryers. Replacement and repair will restore the efficiency and capacity of these dryers and help ensure production of a heat dried product that meets Milorganite® standards.

Under this MCRR, the contractor will replace and repair dryer blades, chute liners, and associated hardware within Dryers 1, 3, 6, and 7.

ATTACHMENTS: **BACKGROUND** **KEY ISSUES** **RESOLUTION**
FISCAL NOTE **S/W/MBE** **OTHER** _____

OP_Auth_Purchase_MCRR1169_JIDD_Dryer1367Blades_legislative_file.docx
01-24-19

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1169, Jones Island Water Reclamation Facility Dryers 1, 3, 6, 7 Blade Replacements

VWM competitively bid the work and the Price Erecting Company was the lowest and only responsible and responsive bidder. The purchase order will be issued to VWM, which is responsible for managing and overseeing the contract with the Price Erecting Company.

Consistent with the Agreement for Management, Operations, and Maintenance Services between the District and VWM, VWM will make four \$10,000 contributions (one for each dryer) to the District for this project.

The contract duration is 18 months.

RESOLUTION

Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1169, Jones Island Water Reclamation Facility Dryers 1, 3, 6, 7 Blade Replacements

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to Execute a Purchase Order with Veolia Water Milwaukee, LLC, for Material Capital Repair or Replacement No. 1169, Jones Island Water Reclamation Facility Dryers 1, 3, 6, 7 Blade Replacements, in an amount not to exceed \$473,577.



O&M Budget Fiscal Note

RELATING TO:

Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1169, Jones Island Water Reclamation Facility Dryers 1, 3, 6, 7 Blade Replacements

Cost Center:	Line Item:
OCC _____	671 _____

Line Item Impact			
2019 Original Budget	_____	\$2,247,432	
Carryovers or Transfers	_____	\$0	
Adjusted Budget	_____	\$2,247,432	
Estimated Annual Expenditure including Request	_____	\$2,247,432	
Anticipated Year End Balance	_____	\$0	
Actual Year to Date Expenditures Through 1/2	_____	\$0	
For unfavorable Year End Balance, identify funding source: <input type="checkbox"/> Absorbed within the Division			
<input type="checkbox"/> Other Division			
<input type="checkbox"/> Unallocated Reserve			
Anticipated Expenditure Timing	Requested Expenditures	Anticipated Savings/Revenues	Net Fiscal Impact
Current Year (2019)	\$473,577	\$0	\$473,577
Subsequent	\$0	\$0	\$0
Total Cost	\$473,577	\$0	\$473,577

Comments: The requested expenditures are for dryers 1, 3, 6, 7 blade replacements. Consistent with the current operating contract VWM will only make contributions for projects in excess of 50 per year. Staff will monitor projects and funding levels throughout the year.

Budget Review by:	Date
Theresa Zwieg _____	12/26/2018 _____

OUTREACH INFORMATION

The Procurement team performed the following outreach: advertised in the Daily Reporter, sent targeted e-mails to potential prime bidders, and sent targeted e-mails to SWMBE firms. The bid opportunity is also publicly accessible from the Veolia and QuestCDN websites.

S/W/MBE Planholders:

The Price Erecting Co.

If no or low S/W/MBE participation, explain why:

n/a

Additional Comments:

n/a

AWARDEE INFORMATION

Company:	<u>The Price Erecting Co.</u>
Contact Person:	<u>Jason Hass</u>
Phone Number:	<u>414-778-0300</u>
E-mail Address:	<u>jhass@priceerecting.com</u>

EEO DATA

Local or National Office?	<u>Local</u>	Total # of Employees	<u>60</u>		
Minorities	<u>Total</u>	<u>%</u>	Females	<u>Total</u>	<u>%</u>
	<u>8</u>	<u>13.3%</u>		<u>2</u>	<u>3.3%</u>
African American	<u>4</u>	<u>6.7%</u>	African American	<u>0</u>	<u>0.0%</u>
Asian	<u>0</u>	<u>0.0%</u>	Asian	<u>0</u>	<u>0.0%</u>
Hispanic	<u>4</u>	<u>6.7%</u>	Hispanic	<u>0</u>	<u>0.0%</u>
Native American	<u>0</u>	<u>0.0%</u>	Native American	<u>0</u>	<u>0.0%</u>
<i>Labor Market Availability - Minorities</i>	<u>20.0%</u>	<i>Labor Market Availability - Females</i>	<u>48.0%</u>		



COMMISSION FILE NO: 19-018-2 **DATE INTRODUCED:** February 11, 2019

INTRODUCED BY: Executive Director (Signature on File in the Office of the Commission)

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Contract J01013D01, Engineering Services – Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract J01013D01, Engineering Services – Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility (JIWRF), with Donohue & Associates, Inc., in an amount not to exceed \$392,996. Donohue & Associates, Inc., was the highest scoring proposer based on a qualifications-based selection method among five proposals received.

The Preliminary Treatment Building at JIWRF contains the following equipment:

- Influent screens
- High and low level screw pumps
- Grit processing equipment
- Heating and ventilation equipment
- Electrical equipment to distribute and control power
- Lighting
- Ancillary support equipment

ATTACHMENTS: BACKGROUND KEY ISSUES RESOLUTION
FISCAL NOTE S/W/MBE OTHER _____

OP_Award_J01013D01_Prelim_Electrical_Upgrade_legislative_file.docx
01-24-19

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Contract J01013D01, Engineering Services – Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility

The Preliminary Treatment Building was designed and constructed in the early 1980's, prior to the first edition of National Fire Protection Association (NFPA) 820 "Standard for Fire Protection in Wastewater Treatment and Collection Facilities" in 1990. NFPA 820 establishes standards for "construction, ventilation, and electrical installation in wastewater...facilities for protection against fire and explosion hazards". Although the Wisconsin Administrative Code has not adopted NFPA 820 as a reference standard, NFPA 820 is widely accepted by engineering professionals as a guide for the design and construction of wastewater facilities. There are several areas in the Preliminary Treatment Building that do not presently meet the standard, as they were designed and constructed prior to the standard being in place.

In addition, some of the electrical equipment within the facility is over 30 years old and is nearing the end of its useful services life. To reduce safety risks and to replace aging equipment, staff recommends updating and replacing various electrical equipment within the Preliminary Treatment Facility. Equipment recommended to be upgraded includes the following: alternating current induction motors, electrical distribution panels, control stations, lighting equipment, bridge crane equipment, and associated seal off fittings and other ancillary equipment.

In addition to the work related to NFPA 820, staff proposes to replace all building lighting with light emitting diode technology to save energy and to replace five motor control centers due to age and lack of spare parts availability.

Under Contract J01013D01, the consultant will:

- Provide engineering services for design of electrical upgrades and replacements.
- Prepare plans and specifications.
- Perform construction bid and award services.
- Provide engineering services during construction.

After the design work is complete, the District will publicly bid the construction contract.

The duration for this contract is approximately 46 months.

RESOLUTION

Contract J01013D01, Engineering Services – Preliminary Treatment Electrical Upgrade
at Jones Island Water Reclamation Facility

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract J01013D01, Engineering Services – Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility, with Donohue & Associates, Inc., in an amount not to exceed \$392,996.



Capital Budget Fiscal Note
Total Project Cost

RELATING TO:

Contract J01013D01, Engineering Services – Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility

Capital Project Number(s)	Impact of Requested Action on Total Project Cost:
J01013-Preliminary Facility Electrical Upgrade	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease <input type="checkbox"/> New Project <input checked="" type="checkbox"/> No Change

<u>Total Project Cost Analysis</u>	<u>Project Costs</u>
Adopted 2018 Total Project Cost	\$4,591,325
Previously Approved Changes	\$0
Approved Total Project Cost	\$4,591,325
Requested Total Project Cost	n/a
Requested (Increase)/Decrease	\$0

Action to be taken to Long-Range Financing Plan to address Total Project Cost change	
<hr/>	Transfer from Allowance for Cost and Schedule Changes
<hr/>	Transfer from another project (specify in comments)
<hr/>	Delay Project(s) (specify in comments)
<hr/>	Delete Project(s) (specify in comments)
<hr/>	Other _____
<hr/>	Transfer to Allowance for Cost and Schedule Changes

Comments

Budget Review by:	Date:
Theresa Zwieg _____	1/11/2019 _____

Contract J01013D01, Engineering Services – Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility



Procurement & S/W/MBE Summary Information

Contract # J01013D01 **Cost Center:** ENG

Engineering Services – Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility

PROPOSAL SUMMARY

Proposal Receipt Date: 12/21/2018

	Total	SWMBE	Local
# of Proposals	5	2	4
# of Acceptable Proposals	2	1	2

Proposals (listed by rank)	Negotiated Price	Acceptable?	% Sub	% SWMBE
	<i>Submitted Price</i>			
Donohue & Associates, Inc. Milwaukee, WI 53202	\$392,996.00	Acceptable	21.8%	21.8%
	<i>\$392,996.00</i>			
Oneida Total Integrated Enterprises, LLC Milwaukee, WI 53226 (MBE)	-	Acceptable	38.5%	94.9%
	<i>\$489,445.00</i>			
Globetrotters Engineering Corporation Chicago, IL 60606 (MBE)	-	Unacceptable	10.0%	95.0%
	-			
GRAEF Milwaukee, WI 53214	-	Unacceptable	22.3%	22.3%
	-			
Symbiont Milwaukee, WI 53214	-	Unacceptable	34.0%	34.0%
	-			

Compensation packages for proposals rated "Conditionally Acceptable" and "Unacceptable" are not opened.

SUBCONSULTANT INFORMATION

Type	Subconsultant Name	Type of Work	%	Amount
MBE	Eclipse Controls Milwaukee, WI 53209	I&C evaluation	10.4%	\$40,760.00
MBE	Oneida Total Integrated Enterprises Milwaukee, WI 53226	Field investigations	2.9%	\$11,248.00
WBE	Ionic Structures and Design, LLC Plover, WI 54467	Structural engineering	4.7%	\$18,460.00
WBE	TW Graphics, LLC Wauwatosa, WI 53222	CAD services	3.8%	\$15,088.00

ECONOMIC DEVELOPMENT ELEMENTS

Local Office Preference? Y

Mentor Protégé? n/a

OUTREACH INFORMATION

The Procurement team performed the following outreach: advertised in the Daily Reporter, sent an e-mail notification to all registered firms in the Architectural & Engineering and General Services category, notified two potential prime proposers, and sent targeted e-mails to 63 SWMBE engineering firms. The proposal opportunity is also publicly accessible from the MMSD website and Bonfire, the portal used to post RFPs. Bonfire also performs outreach to its users when an RFP is posted.

S/W/MBE Document Takers:

Applied Technologies, Inc.; Automation Service and Design; Eclipse Controls Inc.; Globetrotters Engineering Corporation; IBC Engineering Services, Inc.; International Automation, LLC; Kaletch llc; Kapur and Assoc.; L&R Engineering Services, LLC; M & M Environmental and Educational Services LLC; Oneida Total Integrated Enterprises (OTIE); Ruckert & Mielke, Inc.; SPAAN Tech; Thunderbird Engineering, Inc.

If no or low S/W/MBE participation, explain why:

n/a

Additional Comments:

n/a

AWARDEE INFORMATION

Company: Donohue & Associates
 Contact Person: Dennis Dineen
 Phone Number: (414) 431-5700
 E-mail Address: ddineen@donohue-associates.com

EEO DATA

Local or National Office?	<u>Local</u>		Total # of Employees	<u>105</u>	
	Total	%		Total	%
Minorities	<u>5</u>	<u>4.8%</u>	Females	<u>24</u>	<u>22.9%</u>
African American	<u>2</u>	<u>1.9%</u>	African American	<u>1</u>	<u>1.0%</u>
Asian	<u>2</u>	<u>1.9%</u>	Asian	<u>1</u>	<u>1.0%</u>
Hispanic	<u>1</u>	<u>1.0%</u>	Hispanic	<u>1</u>	<u>1.0%</u>
Native American	<u>0</u>	<u>0.0%</u>	Native American	<u>0</u>	<u>0.0%</u>
 <i>Labor Market Availability - Minorities</i>			 <i>Labor Market Availability - Females</i>		
<u>10.0%</u>			<u>50.0%</u>		

PRIME PERFORMANCE HISTORY - S/WMBE COMPLIANCE

Contract Title	Start Date	Percent Complete	Contract Value	Payments to Prime	Proposed SWMBE \$	Proposed SWMBE %	SWMBE Actuals \$	SWMBE Actuals %
J06057D01 - RAS VFDs Replacement Design	6/7/2013	100%	\$331,059	\$330,803	\$61,478	19%	\$62,824	19%
S02008D01 - Engineering Services SS WRF Capacity Improvements	10/7/2016	51%	\$381,124	\$194,504	\$70,965	19%	\$11,590	6%
TS-2636 - Professional Services - Creation of Conveyance O&M Manual	12/1/2016	67%	\$278,450	\$186,543	\$65,157	23%	\$28,401	15%

Note: Only contracts that are at least 50% complete are included in the table above.



COMMISSION FILE NO: 19-019-2 **DATE INTRODUCED:** February 11, 2019

INTRODUCED BY: Executive Director (Signature on File in the Office of the Commission)

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Contract J04061D01, Engineering Services – Programmable Logic Controller 5 Upgrade in the Dewatering and Drying Facility

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract J04061D01, Engineering Services – Programmable Logic Controller (PLC) 5 Upgrade in the Dewatering and Drying (D&D) Facility, with Eclipse Controls, Inc., in an amount not to exceed \$499,828. Eclipse Controls, Inc., was the highest scoring proposer, based on a qualifications-based selection method, among three proposals received.

The District's D&D Facility houses equipment utilized to produce Milorganite®. Twenty-four belt filter presses dewater plant sludges, and 12 rotary dryers dry the dewatered sludge. Dried solids are classified using screens and mills to create a consistent Milorganite® product size. Product is cooled and placed into storage bins to await transport to the Milorganite® Storage Building. The D&D Facility also contains conveyors, bucket elevators, holding tanks, air emissions equipment, and other supporting systems. The D&D Facility has been in use since 1994.

Approximately 66 PLC's are distributed throughout the D&D Facility and provide localized control of equipment. A PLC is an industrial computer designed specifically for the control of manufacturing processes in challenging environments. The existing set of PLCs (Allen Bradley PLC5) were installed in 1994. Rockwell Automation, the parent company of Allen Bradley, announced that the PLC5 product line has reached its end of life; they have discontinued manufacturing new parts, and equipment repair will depend solely upon existing parts inventory. This creates a situation where, without replacement, the District's D&D control system will ultimately be unable to control the D&D Facility.

ATTACHMENTS: **BACKGROUND** **KEY ISSUES** **RESOLUTION**
FISCAL NOTE **S/W/MBE** **OTHER** _____

OP_Award_J04061D01_Dewatering_and_Drying_PLC5_Upgrades_legislative_file.docx
01-24-19

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Contract J04061D01, Engineering Services – Programmable Logic Controller 5 Upgrade in the Dewatering and Drying Facility

It is critical that PLC control equipment be functional and maintainable for the continued operation of the D&D Facility. The purpose of this project is to replace the existing PLC5 control platform and accompanying control equipment with a modern, serviceable control platform and equipment. The improved functionality of the new controls equipment will provide enhanced performance, fault tolerance, and safety.

Under Contract J04061D01, the consultant will:

- Provide design engineering services for the replacement of 66 PLC's, associated communication network, and other ancillary control equipment.
- Evaluate specific startup and operational issues associated with automatic dryer operation. Incorporate solutions into the design.
- Provide a transition plan to migrate from existing control equipment to new control equipment.
- Provide engineering services during construction.
- Provide updates to facility operations and maintenance manuals related to the new control system.

After the design work is complete, the District will publicly bid the construction contract.

The duration for this contract is approximately 42 months.

RESOLUTION

Contract J04061D01, Engineering Services – Programmable Logic Controller 5 Upgrade in the Dewatering and Drying Facility

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract J04061D01, Engineering Services – Programmable Logic Controller 5 Upgrade in the Dewatering and Drying Facility, with Eclipse Controls, Inc., in an amount not to exceed \$499,828.



Capital Budget Fiscal Note Total Project Cost

RELATING TO:

Contract J04061D01, Engineering Services – Programmable Logic Controller 5 Upgrade in the Dewatering and Drying Facility

Capital Project Number(s)	Impact of Requested Action on Total Project Cost:			
<u>J04061-D&D PLC 5 Upgrades</u>	<input type="checkbox"/> Increase	<input type="checkbox"/> Decrease	<input type="checkbox"/> New Project	<input checked="" type="checkbox"/> No Change

<u>Total Project Cost Analysis</u>	<u>Project Costs</u>
Adopted 2019 Total Project Cost	\$7,458,973
Previously Approved Changes	\$0
Approved Total Project Cost	\$7,458,973
Requested Total Project Cost	n/a
Requested (Increase)/Decrease	\$0

Action to be taken to Long-Range Financing Plan to address Total Project Cost change	
_____	Transfer from Allowance for Cost and Schedule Changes
_____	Transfer from another project (specify in comments)
_____	Delay Project(s) (specify in comments)
_____	Delete Project(s) (specify in comments)
_____	Other _____
_____	Transfer to Allowance for Cost and Schedule Changes

Comments

Budget Review by:	Date:
<u>Theresa Zwieg</u>	<u>1/15/2019</u>

Contract J04061D01, Engineering Services – Programmable Logic Controller 5 Upgrade in the Dewatering and Drying Facility



Procurement & S/W/MBE Summary Information

Contract # J04061D01 **Cost Center:** ENG

Engineering Services - PLC5 Upgrade in the Dewatering and Drying Facility

PROPOSAL SUMMARY

Proposal Receipt Date: 12/3/2018

	Total	SWMBE	Local
# of Proposals	3	1	3
# of Acceptable Proposals	1	1	1

Proposals (listed by rank)	Negotiated Price	Acceptable?	% Sub	% SWMBE
	Submitted Price			
Eclipse Controls Inc. Milwaukee, WI 53209 (MBE)	\$499,828.00	Acceptable	50.3%	100.0%
	\$499,828.00			
Donohue & Associates, Inc. Milwaukee, WI 53202	-	Unacceptable	21.3%	21.3%
	-			
Jacobs Engineering Group Inc. Milwaukee, WI 53214	-	Unacceptable	94.5%	22.0%
	-			

Compensation packages for proposals rated "Conditionally Acceptable" and "Unacceptable" are not opened.

SUBCONSULTANT INFORMATION

Type	Subconsultant Name	Type of Work	%	Amount
SBE	Automation Service & Design, Inc. Mequon, WI 53092	Engineering services	47.8%	\$239,044.00
SBE	D&D Silo Specialist Oak Creek, WI 53154	QA/QC services	2.4%	\$12,160.00

ECONOMIC DEVELOPMENT ELEMENTS

Local Office Preference? Y

Mentor Protégé? N

OUTREACH INFORMATION

The Procurement team performed the following outreach: advertised in the Daily Reporter, sent an e-mail notification to all registered firms in the Architectural & Engineering category, sent targeted e-mails to 16 potential proposers, and sent targeted e-mails to 97 SWMBE engineering firms. The proposal opportunity is also publicly accessible from the MMSD website and Bonfire, the portal used to post RFPs. Bonfire also performs outreach to its users when an RFP is posted. □

S/W/MBE Document Takers:

AES Engineering; Applied Science, Inc.; Automation Service and Design; Bloom Companies, LLC; Eclipse Controls Inc.; Kapur and Assoc.; OTIE

If no or low S/W/MBE participation, explain why:

n/a

Additional Comments:

n/a

AWARDEE INFORMATION

Company:	Eclipse Controls, Inc.
Contact Person:	Stephen LaMontagne
Phone Number:	(414) 228-1145
E-mail Address:	stephen@eclipsecontrols.com

EEO DATA

Local or National Office?	Local	Total # of Employees	7
	Total	Total	%
Minorities	3	42.9%	
African American	3	42.9%	
Asian	0	0.0%	
Hispanic	0	0.0%	
Native American	0	0.0%	
		Females	
		1	14.3%
		African American	1
		14.3%	
		Asian	0
		0.0%	
		Hispanic	0
		0.0%	
		Native American	0
		0.0%	
<i>Labor Market Availability - Minorities</i>	<u>25.0%</u>	<i>Labor Market Availability - Females</i>	<u>51.0%</u>

PRIME PERFORMANCE HISTORY - S/W/MBE COMPLIANCE

No prime performance history available. This will be Eclipse Controls' first District award as a prime.



COMMISSION FILE NO: 19-020-2 **DATE INTRODUCED:** February 11, 2019

INTRODUCED BY: Executive Director (Signature on File in the Office of the Commission)

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Contract P01006D01, Engineering Services – Interplant Solids Pipeline Replacement at the South Shore Water Reclamation Facility

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract P01006D01, Engineering Services – Interplant Solids (IPS) Pipeline Replacement at the South Shore Water Reclamation Facility (SSWRF), with Donohue & Associates, Inc., in an amount not to exceed \$299,702. Donohue & Associates, Inc., was the highest scoring proposer based on a qualifications-based selection method among three proposals received.

The IPS system allows for the transfer of biosolids between the Jones Island Water Reclamation Facility (JIWRF) and SSWRF. The IPS system is critical for processing biosolids and creating Milorganite®. An IPS system outage can potentially result in operational challenges, lost opportunities to create digester gas, and significant increases in operating costs.

The IPS system consists of a pump station located at JIWRF, a pump station located at SSWRF, and four parallel ductile iron pipelines each 12 miles long connecting the two facilities. A cathodic protection system helps protect some pipeline segments from external corrosion. The system was constructed in the late 1980's and began operation in 1992.

The IPS pipeline located underground at SSWRF has experienced three breaks in the last eight years. Each pipeline failure results in the risk of a sanitary sewer overflow. The District inspected the pipelines at SSWRF and determined that they are in poor condition. The purpose of this project is to restore the reliability of the IPS system at SSWRF by replacing those four IPS pipelines.

ATTACHMENTS: BACKGROUND KEY ISSUES RESOLUTION
FISCAL NOTE S/W/MBE OTHER _____

OP_Award_P01006D01_IPS_Replacement_SSWRF_legislative_file.docx
01-24-19

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Contract P01006D01, Engineering Services – Interplant Solids Pipeline Replacement at the South Shore Water Reclamation Facility

The District had a preliminary engineering report prepared resulting in recommendations for the replacement pipeline material, diameter, quantity, and route, plus preliminary strategies for maintaining IPS capacity during construction. The work under this proposed contract (P01006D01) will proceed from these recommendations.

Under Contract P01006D01, the consultant will:

- Provide engineering services for the replacement of the existing ductile iron IPS pipelines on the SSWRF property with new high-density polyethylene pipelines.
- Prepare plans and specifications.
- Perform bid and award services.
- Provide engineering services during construction.

After the design work is complete, the District will publicly bid construction of replacement pipelines.

The duration for this contract is approximately 37 months.

RESOLUTION

Contract P01006D01, Engineering Services – Interplant Solids Pipeline Replacement at the South Shore Water Reclamation Facility

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract P01006D01, Engineering Services – Interplant Solids Pipeline Replacement at the South Shore Water Reclamation Facility, with Donohue & Associates, Inc., in an amount not to exceed \$299,702.



**Capital Budget Fiscal Note
Total Project Cost**

RELATING TO:

Contract P01006D01, Engineering Services – Interplant Solids Pipeline Replacement at the South Shore Water Reclamation Facility

<p>Capital Project Number(s)</p> <p>P01006-Replace IPS Pipes within SSWRF Property</p>	<p>Impact of Requested Action on Total Project Cost:</p> <p> <input type="checkbox"/> Increase <input type="checkbox"/> Decrease <input type="checkbox"/> New Project <input checked="" type="checkbox"/> No Change </p>
--	--

<u>Total Project Cost Analysis</u>	<u>Project Costs</u>
Adopted 2019 Total Project Cost	\$2,938,211
Previously Approved Changes	\$0
Approved Total Project Cost	\$2,938,211
Requested Total Project Cost	n/a
Requested (Increase)/Decrease	\$0

Action to be taken to Long-Range Financing Plan to address Total Project Cost change	
	Transfer from Allowance for Cost and Schedule Changes
	Transfer from another project (specify in comments)
	Delay Project(s) (specify in comments)
	Delete Project(s) (specify in comments)
	Other _____
	Transfer to Allowance for Cost and Schedule Changes

Comments

<p>Budget Review by:</p> <p>Theresa Zwieg _____</p>	<p>Date:</p> <p>1/15/2019 _____</p>
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Contract P01006D01, Engineering Services – Interplant Solids Pipeline Replacement at the South Shore Water Reclamation Facility



Procurement & S/W/MBE Summary Information

Contract # P01006D01 **Cost Center:** ENG

Engineering Services - Interplant Solids Pipeline Replacement at the South Shore Water Reclamation Facility

PROPOSAL SUMMARY

Proposal Receipt Date: 11/16/2018

	Total	SWMBE	Local
# of Proposals	3	1	3
# of Acceptable Proposals	2	0	2

Proposals (listed by rank)	Negotiated Price	Acceptable?	% Sub	% SWMBE
	<i>Submitted Price</i>			
Donohue & Associates, Inc Milwaukee, WI 53202	\$299,702.00	Acceptable	28.7%	28.7%
	<i>\$299,702.00</i>			
Arcadis U.S., Inc. Milwaukee, WI 53202	-	Acceptable	22.0%	20.0%
	<i>\$293,462.00</i>			
Kapur & Associates, Inc. Milwaukee, WI 53217 (MBE)	-	Unacceptable	35.0%	75.0%
	-			

Compensation packages for proposals rated "Conditionally Acceptable" and "Unacceptable" are not opened.

SUBCONSULTANT INFORMATION

Type	Subconsultant Name	Type of Work	%	Amount
MBE	K. Singh & Associates, Inc. Milwaukee, WI 53222	Design and plan support, Geotechnical investigation	20.5%	\$61,510.00
MBE	Oneida Total Integrated Enterprises	Design report, Plans support	8.1%	\$24,402.00

ECONOMIC DEVELOPMENT ELEMENTS

Local Office Preference? Y

Mentor Protégé? NA

OUTREACH INFORMATION

The Procurement team performed the following outreach: advertised in the Daily Reporter, sent an e-mail notification to all registered firms in the various construction engineering services, civil engineering, project management and general engineering services. Sent targeted e-mails to potential proposers and targeted e-mails to 34 SWMBE (same categories previously mentioned) firms, and notified the various local chambers of commerce. The proposal opportunity is also publicly accessible from the MMSD website and Bonfire, the portal used to post RFPs. Bonfire also performs outreach to its users when an RFP is posted. □

S/W/MBE Document Takers:

International Automation, LLC, Fusion Integrated Solutions, LLC, Applied Technologies, Inc., K. Singh & Associates, Inc., Kapur & Associates, M & M Environmental and Educational Services LLC, Oneida Total Integrated Enterprises, Thomas A. Mason Co., Inc.

If no or low S/W/MBE participation, explain why:

N/A

Additional Comments:

N/A

AWARDEE INFORMATION

Company: DONOHUE & ASSOCIATES INC
 Contact Person: Allen Williams
 Phone Number: (920) 803-7319
 E-mail Address: awilliams@donohue-associates.com □

EEO DATA

Local or National Office?	<u>Local</u>	Total # of Employees	<u>105</u>
	Total	Total	%
Minorities	<u>5</u>	<u>24</u>	<u>22.9%</u>
African American	<u>2</u>	<u>1</u>	<u>1.0%</u>
Asian	<u>2</u>	<u>1</u>	<u>1.0%</u>
Hispanic	<u>1</u>	<u>1</u>	<u>1.0%</u>
Native American	<u>0</u>	<u>0</u>	<u>0.0%</u>
	%		
	<u>4.8%</u>		
		Labor Market Availability - Females	<u>50.0%</u>
		Labor Market Availability - Minorities	<u>10.0%</u>

PRIME PERFORMANCE HISTORY - S/W/MBE COMPLIANCE

Contract Title	Start Date	Percent Complete	Contract Value	Payments to Prime	Proposed SWMBE \$	Proposed SWMBE %	SWMBE Actuals \$	SWMBE Actuals %
J06057D01 - RAS VFDs Replacement Design	6/7/2013	100%	\$331,059	\$330,803	\$61,478	19%	\$62,824	19%
S02008D01 - Engineering Services SS WRF Capacity Improvements	10/7/2016	51%	\$381,124	\$194,504	\$70,965	19%	\$11,590	6%
TS-2636 - Professional Services - Creation of Conveyance O&M Manual	12/1/2016	67%	\$278,450	\$186,543	\$65,157	23%	\$28,401	15%

Note: Only contracts that are at least 50% complete are included in the table above.



COMMISSION FILE NO: 19-021-2 **DATE INTRODUCED:** February 11, 2019

INTRODUCED BY: Executive Director (Signature on File in the Office of the Commission)

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Award of Contract S04031C04, 18-Inch Digester Gas Pipeline Replacement at South Shore Water Reclamation Facility

SUMMARY:

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract S04031C04, 18-Inch Digester Gas Pipeline Replacement at South Shore Water Reclamation Facility (SSWRF), with J.F. Ahern Co. in an amount of \$403,500. J.F. Ahern Co. was the lowest responsible, responsive bidder and the only bid received.

SSWRF currently operates anaerobic digesters to reduce primary sludge mass and produce digester gas. Digester gas is normally combusted in engine generators and/or boilers to produce electricity and heat for plant consumption. This reduces the District's energy costs, increases the use of digester gas, and contributes to the District's 2035 energy goals.

Part of the digester gas piping system that conveys raw digester gas from digesters includes approximately 550 feet of 18-inch diameter ductile iron pipeline buried 13 to 15 feet underground. The pipeline has been in service approximately 40 years. Over time, moisture from raw digester gas has pooled in the pipeline at locations where it does not drain through the condensate removal system. The minimal or lack of pipeline slope combined with pipeline settlement prevents water from draining. The water buildup has reduced the capacity of the pipeline to convey raw digester gas. Finally, wet conditions within the pipeline can lead to increased corrosion, decreasing the lifespan of the pipeline.

ATTACHMENTS: **BACKGROUND** **KEY ISSUES** **RESOLUTION**
FISCAL NOTE **S/W/MBE** **OTHER** _____

OP_Award_S04031C04_18-inch_DG_Pipeline_legislative_file.docx
01-24-19

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Award of Contract S04031C04, 18-Inch Digester Gas Pipeline Replacement at South Shore Water Reclamation Facility

The District has been making system improvements to increase digester gas production, including digester mixing improvements and a high strength waste receiving facility. In addition, primary sludge loadings vary and could increase over time, resulting in additional digester gas production.

To assure pipeline capacity is adequate for conveying raw digester gas, staff recommends replacement of the buried 18-inch digester gas pipeline. The replacement pipeline will be high density polyethylene (HDPE), buried seven to 10 feet below grade. The slope of the new pipeline has been increased to ensure adequate drain condensation drainage. The overall scope of the proposed contract consists of constructing a new 500-foot-long, 18-inch HDPE pipeline to replace the existing pipeline.

The contract duration is 300 days.

RESOLUTION

Award of Contract S04031C04, 18-Inch Digester Gas Pipeline Replacement at South Shore Water Reclamation Facility

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that Contract S04031C04, 18-Inch Digester Gas Pipeline Replacement at South Shore Water Reclamation Facility, is awarded to J.F. Ahern Co. in the amount of \$403,500, and that the Executive Director is directed to execute a contract on behalf of the District.



Capital Budget Fiscal Note
Total Project Cost

RELATING TO:

Award of Contract S04031C04, 18-Inch Digester Gas Pipeline Replacement at South Shore Water Reclamation Facility

Capital Project Number(s)	Impact of Requested Action on Total Project Cost:		
<u>S04031-Digester Gas Treatment System</u>	<input type="checkbox"/> Increase	<input type="checkbox"/> Decrease	<input type="checkbox"/> New Project <input checked="" type="checkbox"/> No Change

<u>Total Project Cost Analysis</u>	<u>Project Costs</u>
Adopted 2019 Total Project Cost	\$4,775,103
Previously Approved Changes	\$0
Approved Total Project Cost	\$4,775,103
Requested Total Project Cost	n/a
Requested (Increase)/Decrease	\$0

Action to be taken to Long-Range Financing Plan to address Total Project Cost change	
_____	Transfer from Allowance for Cost and Schedule Changes
_____	Transfer from another project (specify in comments)
_____	Delay Project(s) (specify in comments)
_____	Delete Project(s) (specify in comments)
_____	Other _____
_____	Transfer to Allowance for Cost and Schedule Changes

Comments

Budget Review by:	Date:
<u>Theresa Zwieg</u>	<u>1/14/2019</u>

Award of Contract S04031C04, 18-Inch Digester Gas Pipeline Replacement at South Shore Water Reclamation Facility



Procurement & S/W/MBE Summary Information

Contract # S04031C04 **Cost Center:** ENG

18-Inch Digester Gas Pipeline Replacement at South Shore Water Reclamation Facility

BID SUMMARY

Bid Opening Date: 12/20/2018

	Total	SWMBE	Local
# of Bids	1	0	0
# of Responsive Bids	1	0	0

Bidders	Price	Responsive?	Responsible?	% Sub	% SWMBE
J.F. Ahern Co. Fond du Lac, WI 54935	\$403,500.00	Responsive	Responsible	19.2%	19.2%

SUBCONTRACTOR INFORMATION

Type	Subcontractor Name	Type of Work	%	Amount
MBE	Hard Rock Sawing & Drilling Elkhorn, WI 53121	Coring	0.6%	\$2,500.00
MBE	Platt Construction Franklin, WI 53132	Concrete	14.0%	\$56,467.00
SBE	Property Solutions Contracting Mequon, WI 53097	Landscaping	2.6%	\$10,553.33
WBE	Eaton's Asphalt Milwaukee, WI 53225	Paving	1.9%	\$7,814.20

ECONOMIC DEVELOPMENT ELEMENTS

Workforce Requirements

Sanitary Sewer Service Area (SSSA)
Employment: 45%

Target Area (TA) Employment: 20%

Apprentices Required: 0

OUTREACH INFORMATION

The Procurement team performed the following outreach: advertised in the Daily Reporter, sent an e-mail notification to all registered firms in the Construction and General Services categories, sent targeted e-mails to 4 potential prime bidders, and sent targeted e-mails to 26 S/W/MBE firms specializing in mechanical, excavation, landscaping, and paving. The bid opportunity is also publicly accessible from the MMSD website and Quest CDN. Quest CDN also performs outreach to its users when a bid is posted.

S/W/MBE Planholders:

Mid City Corporation; QSP Utility

If no or low S/W/MBE participation, explain why:

J.F. Ahern made good faith efforts to solicit bids from S/W/MBE firms for all subcontracting opportunities. They came in just under the 20% SWMBE goal.

Additional Comments:

n/a

AWARDEE INFORMATION

Company:	J.F. Ahern Co.
Contact Person:	James Jarvis
Phone Number:	(920) 921-9020
E-mail Address:	jjarvis@ahern.com

EEO DATA

Local or National Office?	<u>National</u>	Total # of Employees	<u>1,516</u>
	Total	%	Total
Minorities	<u>74</u>	<u>4.9%</u>	<u>214</u>
African American	<u>22</u>	<u>1.5%</u>	<u>1</u>
Asian	<u>10</u>	<u>0.7%</u>	<u>3</u>
Hispanic	<u>27</u>	<u>1.8%</u>	<u>1</u>
Native American	<u>7</u>	<u>0.5%</u>	<u>0</u>
			%
			<u>14.1%</u>
			<u>0.1%</u>
			<u>0.2%</u>
			<u>0.1%</u>
			<u>0.0%</u>
<i>Labor Market Availability - Minorities</i>	<u>20.0%</u>	<i>Labor Market Availability - Females</i>	<u>48.0%</u>



COMMISSION FILE NO: 19-022-2 **DATE INTRODUCED:** February 11, 2019

INTRODUCED BY: Executive Director (Signature on File in the Office of the Commission)

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Change Order Two to Contract J06056C01, Turbine Extended Services Agreement

SUMMARY:

The Commission is requested to authorize the Executive Director to execute Change Order Two to Contract J06056C01, Turbine Extended Services Agreement, with Solar Turbines, Inc., (Solar) to extend the contract term by 11 months through September 30, 2024, in an amount not to exceed \$1,924,844.

The District constructed a system to deliver landfill gas (LFG) to the Jones Island Water Reclamation Facility (JIWRF) and combust the LFG in turbines to produce electricity for JIWRF operations and to recover heat to be used for drying sludge. LFG is combusted in three turbines that can utilize LFG, natural gas, or a blend of the two gases. These turbines are manufactured by Solar and are highly engineered machines.

Because of the nature of the turbines, the District elected to enter into an extended services agreement (ESA) with Solar in 2012. The ESA includes: 1) routine maintenance, washing, and detailed inspection services; 2) remote monitoring of engine operating parameters and diagnostic evaluation; 3) repairs and parts replacement; 4) unlimited unscheduled visits; 5) unlimited technical support; and 6) complete engine and gear box exchanges as needed (approximately every three to six years). The ESA went into effect on October 23, 2013, and has a term of 120 months (10 years), which will end on October 23, 2023.

ESA pricing included an initial monthly payment of \$130,011 plus an annual bond payment of \$23,887 (\$1,620,019 annually). The monthly payment is subject to an annual cost escalation, set forth in the ESA.

ATTACHMENTS: BACKGROUND KEY ISSUES RESOLUTION
FISCAL NOTE S/W/MBE OTHER _____

*OP_Extend_JI_Solar_Turbine_Extend_Serv_Agreement_legislative_file.docx
01-24-19*

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Change Order Two to Contract J06056C01, Turbine Extended Services Agreement

Change Order 1 consisted solely of technical clarifications and did not involve any change in costs or schedule.

The District has evaluated the maintenance of the turbines relative to the remaining term of the ESA and has projected that the three turbines will need engine exchanges in late 2023 and early 2024. To ensure that the turbines receive the engine exchanges under the ESA, District staff requested options from Solar staff to extend the ESA. Solar offered two options: 1) Extend the term of the ESA through September 30, 2024 (additional 11 months); or 2) Extend the term of the ESA through October 23, 2028 (additional five years).

The District has evaluated the two options, in addition to the option of keeping the existing term of the ESA, and has determined that the option to extend the ESA through September 30, 2024, significantly reduces the likelihood that the engine exchanges will fall outside the term of the ESA. Because cost escalations in the first five years of the ESA have been less than projected, the additional 11 months will not cause the total contract cost to go above that which was originally projected. Therefore, staff recommends extending the term of the ESA through September 30, 2024, at the present time. In 2023 and 2024, District staff will again evaluate all of the options available to determine the recommended plan for maintaining and exchanging the turbines.

RESOLUTION

Change Order Two to Contract J06056C01, Turbine Extended Services Agreement

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Change Order Two to Contract J06056C01, Turbine Extended Services Agreement, with Solar Turbines, Inc., to extend the contract term 11 months through September 30, 2024, in an amount not to exceed \$1,924,844.



**Capital Budget Fiscal Note
Total Project Cost**

RELATING TO:

Change Order Two to Contract J06056C01, Turbine Extended Services Agreement

Capital Project Number(s)	Impact of Requested Action on Total Project Cost:
J06056-Turbine Extended Service Agreement	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease <input type="checkbox"/> New Project <input checked="" type="checkbox"/> No Change

<u>Total Project Cost Analysis</u>	<u>Project Costs</u>
Adopted 2019 Total Project Cost	\$13,445,724
Previously Approved Changes	\$0
Approved Total Project Cost	\$13,445,724
Requested Total Project Cost	n/a
Requested (Increase)/Decrease	\$0

Action to be taken to Long-Range Financing Plan to address Total Project Cost change	
<hr/>	Transfer from Allowance for Cost and Schedule Changes
<hr/>	Transfer from another project (specify in comments)
<hr/>	Delay Project(s) (specify in comments)
<hr/>	Delete Project(s) (specify in comments)
<hr/>	Other _____
<hr/>	Transfer to Allowance for Cost and Schedule Changes

Comments
75% of the cost is expended to the capital budget and 25% to the operations and maintenance budget.

Budget Review by:	Date:
<u>Theresa Zwieg</u>	<u>1/14/2019</u>



O&M Budget Fiscal Note

RELATING TO:

Change Order Two to Contract J06056C01, Turbine Extended Services Agreement

Cost Center: OCC _____	Line Item: 649 _____
Line Item Impact	
2019 Original Budget	\$762,406
Carryovers or Transfers	\$0
Adjusted Budget	\$762,406
Estimated Annual Expenditure including Request	\$762,406
Anticipated Year End Balance	\$0
Actual Year to Date Expenditures Through	\$0
For unfavorable Year End Balance, identify funding source: <input type="checkbox"/> Absorbed within the Division	
<input type="checkbox"/> Other Division	
<input type="checkbox"/> Unallocated Reserve	
Anticipated Expenditure Timing	
	Requested Expenditures Anticipated Savings/Revenues Net Fiscal Impact
Current Year (2019)	\$427,306 \$0 \$427,306
Subsequent	\$2,786,563 \$0 \$2,786,563
Total Cost	\$3,213,869 \$0 \$3,213,869

Comments: Requested expenditures for subsequent years includes the requested amendment amount for 11 months of 2024, an additional \$481,211. 75% of the ESA cost is expended to the capital budget and 25% to the operations and maintenance budget.

Budget Review by:	Date
Theresa Zwieg _____	1/15/2019

OPERATIONS COMMITTEE MEETING

February 11, 2019

EXECUTIVE DIRECTOR'S REPORT

19-001-01

A. Monthly Reports

February 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11 Commission-9:00 a.m. Operations Committee-9:00 a.m. PF&P Committee-9:05 a.m.	12	13	14 ST. VALENTINE'S DAY	15	16
17	18 PRESIDENTS' DAY	19	20	21	22	23
24	25 Commission-9:00 a.m.	26	27	28		