

AGENDA
REGULAR MEETING
ENGLEWOOD WATER DISTRICT BOARD OF SUPERVISORS
201 SELMA AVENUE, ENGLEWOOD, FL 34223
AUGUST 4, 2022 @ 8:30 A.M.

Board of Supervisors:

Sydney B. Crampton, Chair
Robert C. Stern, Jr., Vice-Chair
Phyllis Wright
Taylor Meals
Steven Samuels

Staff:

Ray Burroughs, Administrator
Robert H. Berntsson, District Counsel
Dewey Futch, Water Operations Manager
David Larson, Wastewater Operations Manager
Keith R. Ledford Jr., P.E., Technical Support Manager
Lisa Hawkins, Finance Director
Teresa Herzog, Executive Assistant

1. PLEDGE OF ALLEGIANCE & ROLL CALL
2. ANNOUNCEMENTS – Additions or Deletions
3. SERVICE AWARDS
 - a. Kevin Mozzicato, Wastewater Plant Operator – 10 years
4. PUBLIC INPUT – AGENDA ITEMS ONLY
 - a. Mr. Richard Kozek – Foxwood Condominium Association, Backflow Requirement Appeal

To address the Board during this portion of the meeting you must fill out a Civility Agreement, state your name and address for the record and which agenda item is to be addressed. Remarks shall be limited to 4 minutes and no discussion will take place during this portion of the meeting. If a Board decision is made, you will be notified. If you wish to address the Board on a topic not on the agenda, you will have the opportunity during Public Comment.

CARDS MUST BE SUBMITTED PRIOR TO THE COMMENCEMENT OF THE MEETING

5. CONSENT SECTION
 - a. Minutes of the Regular Meeting dated July 14, 2022
 - b. Big W Law Invoice dated July 19, 2022
6. ACTION ITEMS
 - a. FY23 Budget Approval
 - b. Rehabilitation of Water Treatment Plant Vertical Turbine Pump
 - c. Award of Contract/Supply of Liquid Chlorine
 - d. V-1 Vacuum Station Rehab AirVac Materials Direct Purchase
 - e. Warehouse Inventory of Water Meters
7. DISCUSSION
8. ADMINISTRATOR'S REPORT – Ray Burroughs
 - a. WATER OPERATIONS MANAGER – Dewey Futch
 - b. WASTEWATER OPERATIONS MANAGER – David Larson
 - c. TECHNICAL SUPPORT MANAGER – Keith R. Ledford Jr., P.E. (absent)

d. FINANCE DIRECTOR – Lisa Hawkins

1. Financial Statements for June
2. Investment Statements for June

9. ATTORNEY'S REPORT – Robert H. Berntsson

10. OLD BUSINESS

11. NEW BUSINESS

12. PUBLIC COMMENT – ANY TOPIC

To address the Board during this portion of the meeting, you must fill out a Civility Agreement and state your name and address for the record. Each person will be allowed no more than 4 minutes.

13. BOARD MEMBER COMMENTS

14. ADJOURN

Anyone who decides to appeal a decision of this Board will need a record of the proceedings pertaining thereto and therefore may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

DISABILITY INFORMATION – In accordance with the Americans with Disabilities Act and FS 286.26, persons with disabilities needing special accommodation to participate in this proceeding should contact EWD at 941-474-3217 no later than 7 days prior to the proceedings. If hearing impaired, telephone the Florida Relay Service at 800-955-8771 9TCC) or 800-955-8770 (VOICE) for assistance.

Posted 07/29/2022

BOARD AGENDA ITEM SUMMARY

5a

MEETING DATE: August 4, 2022

SUBJECT: Minutes of the Regular Meeting dated July 14, 2022

CATEGORY: Consent

Discussion

Action

CONTACT PERSON: **Ray Burroughs**

DEPT: **Administration**

ITEM: **Request Board approval of the regular meeting minutes dated July 14, 2022.**

PURPOSE / JUSTIFICATION: **An Enabling Act requirement for the official record of meetings.**

MOTION: **To approve the minutes of the regular meeting dated July 14, 2022.**

Prepared By: **Teresa Herzog**

Date: **July 20, 2022**

Approvals:



Administrator



Finance

Technical Support



Water Operations

Wastewater Operations

ACTION TAKEN BY BOARD: Denied Approved / Resolution No: _____

ATTACHMENTS: **Minutes of the regular meeting dated July 14, 2022.**

**MINUTES
REGULAR MEETING
ENGLEWOOD WATER DISTRICT BOARD OF SUPERVISORS
201 SELMA AVENUE, ENGLEWOOD, FL 34223
JULY 14, 2022 @ 8:30 A.M.**

Board of Supervisors:

Sydney B. Crampton, Chair (absent)
Robert C. Stern, Jr., Vice-Chair
Phyllis Wright
Taylor Meals
Steven Samuels (absent)

Staff:

Ray Burroughs, Administrator
Robert H. Berntsson, District Counsel
Dewey Futch, Water Operations Manager
David Larson, Wastewater Operations Manager
Keith R. Ledford Jr., P.E., Technical Support Manager
Lisa Hawkins, Finance Director
Teresa Herzog, Executive Assistant

In Chair Crampton's absence, Vice-Chair Stern presided over the meeting.

1. The meeting began with the Pledge of Allegiance and roll call to establish a quorum.
2. ANNOUNCEMENTS – Additions or Deletions – None
3. SERVICE AWARDS – None
4. PUBLIC INPUT – AGENDA ITEMS ONLY – None
5. PRESENTATION
 - a. Reuse System Master Plan Update – Heather Ripley, P.E., Kimley HornMs. Ripley narrated her PowerPoint presentation with recommendations for the current and future reuse system. Following questions and answers, Mr. Meals moved, **“to accept the Master Plan as presented,”** seconded by Ms. Wright.

UNANIMOUS

22-07-14 A

Full motion read: To accept the Reuse System Master Plan Update as prepared by Kimley-Horn and Associates, Inc.

6. CONSENT SECTION – Vice-Chair Stern called for removal of any item on the consent agenda or a motion to approve. Mr. Meals moved, **“to approve the Consent Agenda as presented,”** seconded by Ms. Wright.

a. Minutes of the Regular Meeting dated June 2, 2022

22-07-14 CS A

b. Big W Law Invoice dated June 23, 2022

22-07-14 CS B

c. Henderson/Franklin Invoice dated June 9, 2022

22-17-17 CS C

UNANIMOUS

7. ACTION ITEMS

a. Windsor Drive Sewer System Repair – Mr. Burroughs introduced the item. This needed repair is located on Windsor Drive in Englewood Isles. This portion of the sewer system was installed in 1973-74 and later taken over by EWD. When the collections department was tasked identifying the location of a sewer tap for a new home being constructed, it was discovered that no tap exists for the property, and a section of pipe was found to be significantly damaged in the same location. The repair work will require

approximately 40' of roadway to be removed. While doing the repair in-house would be possible, it would take the entire collection's staff approximately 2 weeks to complete the work with no other projects or issues being handled during that time. Due to this, staff is recommending that this job be awarded to DeJonge Excavating Contractors, Inc. piggybacking the Sarasota County Contract No. 2017-247. Funds are available in the Collections System Repair & Maintenance, but the cost is above the Administrator's \$25,000.00 authority.

Ms. Wight moved, **"to approve as presented,"** seconded by Mr. Meals.

UNANIMOUS

22-07-14 B

Full motion read: To authorize the Administrator to sign the work proposal from DeJonge Excavating Contractors, Inc. in the amount of \$77,151.70. Work to be performed will piggyback Sarasota County Contract No. 2017-247 for Utility Infrastructure Repairs and Installation. Funds to come from the general fund.

b. Brook to Bay Lift Station #114 Improvements – Mr. Burroughs introduced the item. Due to time constraints with this project, there is not enough time to allow for this project to be put out to bid. Therefore, staff has requested a quote from DeJonge Excavating to provide a quote for the installation of the lift station and the associated piping piggybacking the Sarasota County Contract No. 2017-247. The estimated quote of \$185,265.36 includes all the labor and equipment needed to perform the job including restoration. The quote includes allowances for an electrician and paving restoration but neither of those line items are anticipated to be needed. Per the contract, DeJonge will only be billed for the actual hours spent and expenses occurred when completing the job. Mr. Burroughs added that the cost is expected to be less than the quote.

Ms. Wright moved, **"to approve as read,"** seconded by Mr. Meals.

UNANIMOUS

22-07-14 C

Full motion read: To authorize the Administrator to sign the work proposal from DeJonge Excavating Contractors, Inc. in the amount of \$185,265.36. Work to be performed will piggyback Sarasota County Contract No. 2017-247 for Utility Infrastructure Repairs and Installation. Funds to come from the general fund.

8. DISCUSSION – None

9. ADMINISTRATOR'S REPORT – Ray Burroughs

1. Senior Billing Clerk Ruthann Gray is retiring after 17 years of service.
2. The FRS issue has been resolved.

a. WATER OPERATIONS MANAGER – Dewey Futch

Production:

1. Total send out for June 2022 was 83.20 MG/2021 was 94.73 MG.
2. Average send out was 2.77 MGD/2021 average send out was 3.15 MGD and the 2022 high was 3.20 MGD/2021 high was 3.91 MGD.
3. Rainfall 2022 was 5.86"/2021 was 7.99".

4. This past month at the Plant the Operators finished replacing the valves at the small pump room so Hudson Pumps could come and finish installing two high service pumps. All four high service pumps and switch gears have been replaced.

Distribution:

1. Distribution had no incidents to report for June.
2. Staff has completed large meter testing and is still working on the lead service line survey. Currently, 35.8% of District service lines have been inspected.
3. For June, 8 new meters were set equaling 8 ERCs, all single-family homes.
4. 72 radio heads were replaced.

b. WASTEWATER OPERATIONS MANAGER – David Larson

WRF:

1. The average daily flow for June 2022 was 1.5 MGD with a peak flow of 1.64 MG.
2. Normal operations and maintenance are ongoing.

Collections:

1. Normal operations and maintenance are ongoing.

c. TECHNICAL SUPPORT MANAGER – Keith R. Ledford Jr., P.E. Mr. Ledford verbally updated his written report.

CIP/In-house Projects:

1. LS #121 Rehab – the remainder of the materials for this project should be here in the next week or so with a majority of the work will be done in-house.
2. South WRF Drying Bed and South WRF-New Headworks – the 90% drawing will be reviewed with Kimley Horn after today's meeting. Construction costs have risen considerably, and the scopes have gotten larger.
3. South WRF Generator Replacement and V-4 Generator Replacement – an issue with the controllers has pushed back delivery to September instead of July as previously reported.
4. V-1 Station Rehab – AirVac is working to supply the equipment proposal for approval at the August meeting. It is likely the station equipment proposal will be prepared, but not the temporary system by that time. Lead time for the equipment could be up to 6-8 months out.
5. North WRF Phase 1 – the draft agreement has been received and is being reviewed by staff and legal. Comments to follow.

Developments/Projects:

1. Gateway Court and Lake Emily – plans for both these developments are ready for re-submittal and execution of their Development Agreements.

d. FINANCE DIRECTOR – Lisa Hawkins

1. FY23 Budget Discussion – The budget has been completely updated and improved this year, Accounting Manager, Amanda Burge spent a lot of time on this project and did an excellent job. The biggest change is that the budget is now divided into 2 separate funds: water and sewer. The supporting services are divided between the two funds. Highlights included:
 - a. A 5% across the board rate increase for FY23 is assumed.
 - b. Two new positions included for collections and distribution.

- c. More detailed information on revenue including a breakdown of base and usage charges.
- d. The operating expense budget is almost \$2M higher than the FY22 budget. This increase is likely due to increased costs, an explanation for line-item increases is detailed throughout the document.
- e. The CIP budget is estimated to be about \$19M, this includes the previous CIP balance that will roll forward along with the new projects. The new projects includes the design of the new WRF.
- e. Reserves have been separated into restricted and unrestricted. Restricted funds are those collected from capacity fees and must be used for capital projects. As funding for new projects is applied for, the money needs to be shown separately.
- f. The budget documents are much more comprehensive and will be a more effective tool to use for planning as for expansion.

The 5% rate increase, growth within the service area, and funding for new “shovel ready” projects was discussed as well as grant funding.

- 2. Financial Statements for May – operating revenue was \$12.782M, about \$900K more than last May. There was operating expenses of \$9.91M, up about \$1M from last year. Non-cash capital contributions we had \$2.3M, this was for Boca Royale Unit 14.
- 3. Investment Statements for May – we had \$18.317M with RBC and \$4.264 at Centennial Bank. In June, the rates started to move so an additional \$2M was moved from Centennial to RBC to be invested in treasury bonds at 2.8% and 3.49%. Also, during May a couple matured and were also invested in the same treasury note.

Mr. Burroughs concluded the Administrator’s report.

- 10. ATTORNEY’S REPORT – Robert H. Berntsson – working with staff on contracts.
- 11. OLD BUSINESS – None
- 12. NEW BUSINESS
 - a. Participation in the Pioneer Days Parade – Mr. Burroughs stated the entry fee is \$50.00 and additional costs are candy and staffing.
- 13. PUBLIC COMMENT – ANY TOPIC – None
- 14. BOARD MEMBER COMMENTS – The entire Board thanked Ms. Hawkins and Ms. Burge for the updated and comprehensive FY23 budget document.
- 15. ADJOURNED @ 9:15 AM

Robert C. Stern, Jr., Vice-Chair

APPROVED
/tlh

BOARD AGENDA ITEM SUMMARY

5b

MEETING DATE: **August 4, 2022**

SUBJECT: **The Big W Law Attorney's Invoice dated July 19, 2022**

CATEGORY: Consent

Discussion

Action

CONTACT PERSON: **Lisa Hawkins**

DEPT: **Finance Department**

ITEM: **Request Board approval for payment of the Big W Law Attorney's invoice dated July 19, 2022.**

PURPOSE / JUSTIFICATION: **Legal services rendered.**

FISCAL IMPACT:

Budget Resolution Required: yes no

Funds in Account: 500311-500-101 (Legal Professional Fees-Administration)

| | | |
|-----------------------------|-----------|-------------------|
| Amount Budgeted | \$ | 23,000.00 |
| Year to Date Expenditures | \$ | (5,750.00) |
| Total Expenditures Required | <u>\$</u> | <u>(1,437.50)</u> |
| Remaining in Budget | <u>\$</u> | <u>15,812.50</u> |

MOTION: **To approve the Big W Law Attorney's invoice dated July 19, 2022 for services rendered June 16, 2022 to July 15, 2022 in the amount of \$1,187.50. Funds to come from the General Fund.**

Prepared By: **Teresa Herzog**

Date: **July 20, 2022**

Approvals



Administrator



Finance

Technical Support



Water Operations

Wastewater Operations

ACTION TAKEN BY BOARD: Denied Approved / Resolution No: _____

ATTACHMENTS: **The Big W Law Attorney's invoice dated July 19, 2022.**



WIDEIKIS, BENEDICT & BERNTSSON, LLC THE BIG W LAW FIRM

3195 S. Access Road, Englewood, Florida 34224

941-627-1000

Englewood Water District
therzog@englewoodwater.com
201 Selma Avenue

Received 7/19/2022
by: Englewood Water District
7:35 a.m. T. Herzog

Statement Date: 07/17/2022
Statement No. 29172
Account No. 8.0000

Englewood, FL 34223

Legal Services
PO 54375

FOR PROFESSIONAL SERVICES RENDERED

| | | | Rate | Hours | |
|------------|-----|--|--------|-------|----------|
| 02/05/2022 | RHB | Email with Ms. Wright. | 250.00 | 0.25 | 62.50 |
| 06/24/2022 | RHB | Email with Ms. Habedank; Email with Ms. Herzog; Email with Mr. Ledford. | 250.00 | 0.25 | 62.50 |
| 06/28/2022 | RHB | Email with Mr. Ledford. | 250.00 | 0.25 | 62.50 |
| 07/08/2022 | RHB | Email with Ms. Herzog; Review agenda. | 250.00 | 0.25 | 62.50 |
| 07/12/2022 | RHB | Email with Mr. Burroughs; Email with Mr. Benedict. | 250.00 | 0.25 | 62.50 |
| 07/13/2022 | RHB | Email with Mr. Benedict; Email with Mr. Burroughs; Email with Ms. Wright; Email with Ms. Herzog. | 250.00 | 0.50 | 125.00 |
| 07/14/2022 | RCB | Review of Wellen Park WWTP Purchase and Sale Agreement | 250.00 | 2.50 | 625.00 |
| | RHB | Prepare for and attend Board of Supervisors Meeting; Conference with Mr. Ledford. | 250.00 | 1.25 | 312.50 |
| 07/15/2022 | RHB | Email with Mr. Ledford; Email with Mr. Benedict. | 250.00 | 0.25 | 62.50 |
| | | For Current Services Rendered | | 5.75 | 1,437.50 |

Recapitulation

| <u>Timekeeper</u> | <u>Hours</u> | <u>Rate</u> | <u>Total</u> |
|-------------------|--------------|-------------|--------------|
| Robert Benedict | 2.50 | \$250.00 | \$625.00 |
| Robert Berntsson | 3.25 | 250.00 | 812.50 |

| | |
|-------------------------------|------------|
| PREVIOUS BALANCE | \$1,187.50 |
| Total Current Work | 1,437.50 |
| <u>Payments</u> | |
| Total Payments for 07/15/2022 | -1,187.50 |

Englewood Water District
Account No. 8.0000
RE: Legal Services

Statement Date: 07/17/2022
Statement No. 29172

Balance Due \$1,437.50

| Billing History | | | | | |
|-----------------|--------------|-----------------|-----------------|-----------------------|-----------------|
| <u>Fees</u> | <u>Hours</u> | <u>Expenses</u> | <u>Advances</u> | <u>Finance Charge</u> | <u>Payments</u> |
| 83,150.00 | 348.26 | 0.00 | 7.80 | 0.00 | 81,720.30 |

BOARD AGENDA ITEM SUMMARY

6a

MEETING DATE: August 4, 2022

SUBJECT: FY 2023 Budget

CATEGORY: Consent Discussion Action

CONTACT PERSON: **Lisa Hawkins**

DEPT.: **Finance**

ITEM: **Approval of the FY023 Budget**

PURPOSE / JUSTIFICATION: **To approve a 5% rate increase and provide multi-year funding for the FY 2023 CIP, single year funding for the FY 2023 Operating Budget, single year funding for the FY 2023 Debt Service, and authorize the number of full-time employees.**

MOTION:

- 1) **To approve a 5% increase to the water/wastewater base and usage rates, wholesale water/wastewater rates and reuse water rates effective October 1, 2022.**
- 2) **To approve the FY 2023 Capital Improvement Program totaling \$19,352,605.26, CIP project authorization and funds are multi-year funds.**
- 3) **To approve the FY 2023 Operating Budget totaling \$16,503,872.05, Operating Budget funds are annual and will expire on September 30, 2023.**
- 4) **To approve the FY 2023 Debt Service Principal Payments totaling \$2,423,596.00.**
- 5) **To approve an increase from 79 to 81 full time employees adding 1 Distribution and 1 Collections Technician.**

Prepared By: **Teresa Herzog**

Date: **July 21, 2022**

Approvals:

 Administrator
  Finance
 _____ Technical Support
  Water Operations
 _____ Wastewater Operations

ACTION TAKEN BY BOARD: Denied Approved / Resolution No: _____

ATTACHMENTS: None; Budget was previously distributed

BOARD AGENDA ITEM SUMMARY

6b

MEETING DATE: August 4, 2022

SUBJECT: Rehabilitation of Water Treatment Plant Vertical Turbine Pump

CATEGORY: Consent Discussion Action

CONTACT PERSON: **Dewey Futch**

DEPT: **Water Treatment Plant**

ITEM: **Rehabilitation of a Water Treatment Plant Vertical Turbine Pump.**

PURPOSE / JUSTIFICATION: **A vertical turbine pump at the Water Treatment Plant requires rehabilitation. The quote from Mader Electric Motors covers the cost of needed parts, labor, and a crane truck. Services will be provided by piggybacking off the Lee County Agreement, B180244GWT, expiring 9/9/2022 for the purchase of electric motor repair and replacement services. Cost exceeds the Administrator's \$25,000 authority.**

FISCAL IMPACT: 500467-530-101

Budget Resolution Required: yes no

| | | |
|---------------------------|----|--------------------|
| Amount Budgeted: | \$ | 687,950.00 |
| Year to Date Expenditure: | \$ | (372,797.79) |
| Open Purchase Orders | \$ | (199,839.57) |
| Expenditure Required: | \$ | (28,808.32) |
| Remaining in Budget: | \$ | <u>86,504.32</u> |

MOTION: **To accept the Mader Electric Motors Estimate #86567 dated July 8, 2022 in the amount of \$28,808.32 for the rehabilitation of a Water Treatment Plant Vertical Turbine Pump. Services provided by piggybacking the Lee County Agreement B180244GWT, expiring 9/9/2022. Funds to come from the general fund.**


Prepared By: **Teresa Herzog**

Date: **July 21, 2022**

Approvals:



Administrator



Finance

Technical Support



Water Operations

Wastewater Operations

ACTION TAKEN BY BOARD: Denied Approved / Resolution No: _____

ATTACHMENTS: **Mader Electric Motors Estimate #86567
Lee County Agreement & Renewal Contract No. B180244GWT**



Kevin Ruane
District One

May 28, 2021

Cecil L. Pendergrass
District Two

Ray Sandelli
District Three

Brian Hamman
District Four

Frank Mann
District Five

Roger Desjarlais
County Manager

Richard Wesch
County Attorney

Donna Marie Collins
*County Hearing
Examiner*

Mr. Jeremy Mader
John Mader Enterprises, Inc.
18161 N. Tamiami Trail
North Fort Myers, FL 33903

SUBJECT: Renewal of Annual Contract No. B180244GWT
Electric Motor Repair and Replacement Services

Dear Mr. Mader

This is to inform you that Lee County agrees to renew the above subject contract for an additional one (1) year period, from 9/10/21 through 9/9/22.

We are hereby extending the annual contract for an additional one-year period under the same terms and conditions as the original award.

If you have any questions regarding this letter, please contact me at (239) 533-8871.

Sincerely,

Kimberly Urban

Kimberly Urban
Contracts Analyst
Procurement Management Division

C: Project File



Lee County
Southwest Florida

Kevin Ruane
District One

April 29, 2021

239-533-8871

Cecil L. Pendergrass
District Two

Ray Sandelli
District Three

Brian Hamman
District Four

Frank Mann
District Five

Roger Desjarlais
County Manager

Richard Wesch
County Attorney

Donna Marie Collins
County Hearing
Examiner

Mr. Jeremy Mader
John Mader Enterprises, Inc.
18161 N. Tamiami Trail
North Fort Myers, FL 33903

Subject: Renewal of Annual Contract B180244GWT
Electric Motor Repair and Replacement Services

Dear Mr. Mader:

The above-referenced annual contract will expire on September 9, 2021, unless renewed. Lee County is requesting that this annual contract be renewed for an additional one year period (9/10/21 – 9/9/22). Therefore, we are requesting that you choose one of the following options and return this letter to Lee County Procurement Management, Attn: Kimberly Urban, P.O. Box 398, Ft. Myers, FL 33902-0398, (Fax: 239-485-8383 or email kurban@leegov.com), within 15 calendar days from receipt. Failure to return by May 14, 2021, may, at the County's sole discretion, result in contract cancellation and/or rebid of solicitation.

a. I want to continue performing under this annual contract for an additional one year period under the same terms and conditions as agreed upon in the above-referenced quotation.

As a condition of this renewal, the vendor agrees to provide Lee County with an updated insurance certificate upon expiration of the original certificate on file with the County.

b. I am not interested in extending this contract for an additional one-year period. Why? _____

Vendor:

Lee County:



Signature



Signature of Authorized Official

President

Title

Procurement Management Director

Title

4/29/21

Date

5/24/21

Date

P.O. Box 398, Fort Myers, Florida 33902-0398 Phone: (239) 533-2111
www.leegov.com

AN EQUAL OPPORTUNITY EMPLOYER

**AGREEMENT FOR THE PURCHASE OF ELECTRIC MOTOR REPAIR AND
REPLACEMENT SERVICES**

THIS AGREEMENT ("Agreement") is made and entered into as of the date of execution by both parties, by and between Lee County, a political subdivision of the State of Florida, hereinafter referred to as the "County" and John Mader Enterprises, Inc., a Florida corporation, whose address is 18161 N. Tamiami Trail, Ft. Myers, FL 33903, and whose federal tax identification number is 65-0048538, hereinafter referred to as "Vendor."

WITNESSETH

WHEREAS, the County intends to purchase electric motor repair and replacement services from the Vendor in connection with " Electric Motor Repair and Replacement Services" (the "Purchase"); and,

WHEREAS, the County issued Solicitation No. B180244GWT on May 18, 2018; and,

WHEREAS, the County evaluated the responses received and found the Vendor qualified to provide the necessary products and services; and,

WHEREAS, the County posted a Notice of Intended Decision on July 10, 2018; and,

WHEREAS, the Vendor has reviewed the products and services to be supplied pursuant to this Agreement and is qualified, willing and able to provide all such products and services in accordance with its terms.

NOW, THEREFORE, the County and the Vendor, in consideration of the mutual covenants contained herein, do agree as follows:

I. PRODUCTS AND SERVICES

The Vendor agrees to diligently provide all products and services for the Purchase in accordance with the project Scope of Services made part of this Agreement as Exhibit A, attached hereto and incorporated herein. Vendor shall comply strictly with all of the terms and conditions of Solicitation B180244GWT, a copy of which is on file with the County's Department of Procurement Management and is deemed incorporated into this Agreement.

II. TERM AND DELIVERY

- A. This Agreement shall commence immediately upon execution by both the County and the Vendor, and shall continue on an "as needed basis" for a one (1) year period. There may be an option to renew this Agreement for up to three (3) additional one (1) year periods upon the mutual written agreement of both parties.

- B. A purchase order must be issued by the County before commencement of any work or purchase of any goods related to this Agreement.

III. COMPENSATION AND PAYMENT

- A. The County shall pay the Vendor in accordance with the terms and conditions of this Agreement for providing all products and services as set forth in Exhibit A, and further described in Exhibit B, Fee Schedule, attached hereto and incorporated herein. Said total amount to be all inclusive of costs necessary to provide all products and services as outlined in this Agreement, and as supported by the Vendor's submittal in response to Solicitation No. B180244GWT, a copy of which is on file with the County's Department of Procurement Management and is deemed incorporated into this Agreement.
- B. Notwithstanding the preceding, Vendor shall not make any deliveries or perform any work under this Agreement until receipt of a purchase order from the County. Vendor acknowledges and agrees that no minimum order or amount of product or work is guaranteed under this Agreement and County may elect to issue no purchase orders. If a purchase order is issued, the County reserves the right to amend, reduce, or cancel the purchase order in its sole discretion.
- C. All funds for payment by the County under this Agreement are subject to the availability of an annual appropriation for this purpose by the County. In the event of non-appropriation of funds by the County for the services provided under this Agreement, the County will terminate the contract, without termination charge or other liability, on the last day of the then current fiscal year or when the appropriation made for the then-current year for the services covered by this Agreement is spent, whichever event occurs first. If at any time funds are not appropriated for the continuance of this Agreement, cancellation shall be accepted by the Vendor on thirty (30) days' prior written notice, but failure to give such notice shall be of no effect and the County shall not be obligated under this Agreement beyond the date of termination.

IV. METHOD OF PAYMENT

- A. The County shall pay the Vendor in accordance with the Local Government Prompt Payment Act, Section 218.70, Florida Statutes, upon receipt of the Vendor's invoice and written approval of same by the County indicating that the products and services have been provided in conformity with this Agreement.

- B. The Vendor shall submit an invoice for payment to the address indicated on the purchase order on a monthly basis for those specific products and services as described in Exhibit A (and the corresponding fees as described in Exhibit B) that were provided during that invoicing period.
- C. For partial shipments or deliveries, progress payments shall be paid monthly in proportion to the percentage of products and services delivered on those specific line items as approved in writing by the County.

V. ADDITIONAL PURCHASES

- A. No changes to this Agreement or the performance contemplated hereunder shall be made unless the same are in writing and signed by both the Vendor and the County.
- B. If the County requires the Vendor to perform additional services or provide additional product(s) related to this Agreement, then the Vendor shall be entitled to additional compensation based on the Fee Schedule as amended to the extent necessary to accommodate such additional work or product(s). The additional compensation shall be agreed upon before commencement of any additional services or provision of additional product(s) and shall be incorporated into this Agreement by written amendment. The County shall not pay for any additional service, work performed or product provided before a written amendment to this Agreement.

Notwithstanding the preceding, in the event additional services are required as a result of error, omission or negligence of the Vendor, the Vendor shall not be entitled to additional compensation.

VI. LIABILITY OF VENDOR

- A. The Vendor shall save, defend, indemnify and hold harmless the County from and against any and all claims, actions, damages, fees, fines, penalties, defense costs, suits or liabilities which may arise out of any act, neglect, error, omission or default of the Vendor arising out of or in any way connected with the Vendor or subcontractor's performance or failure to perform under the terms of this Agreement.
- B. This section shall survive the termination or expiration of this Agreement.

VII. VENDOR'S INSURANCE

- A. Vendor shall procure and maintain insurance as specified in Exhibit C, Insurance Requirements, attached hereto and made a part of this Agreement.
- B. Vendor shall, on a primary basis and at its sole expense, maintain in full force and effect, at all times during the life of this Agreement, insurance

coverage (including endorsements) and limits as described in Exhibit C. These requirements, as well as the County's review or acceptance of insurance maintained by Vendor, are not intended to and shall not in any manner limit or qualify the liabilities or obligations assumed by Vendor under this Agreement. Insurance carriers providing coverage required herein must be licensed to conduct business in the State of Florida and must possess a current A.M. Best's Financial Strength Rating of B+ Class VII or better. No changes are to be made to these specifications without prior written specific approval by County Risk Management. To the extent multiple insurance coverages and/or County's self-insured retention may apply, any and all insurance coverage purchased by Vendor and its subcontractors identifying the County as an additional named insured shall be primary.

VIII. RESPONSIBILITIES OF THE VENDOR

- A. The Vendor shall be responsible for the quality and functionality of all products supplied and services performed by or at the behest of the Vendor under this Agreement. The Vendor shall, without additional compensation, correct any errors or deficiencies in its products, or if directed by County, supply a comparable replacement product or service.
- B. The Vendor warrants that it has not employed or retained any company or person (other than a bona fide employee working solely for the Vendor), to solicit or secure this Agreement and that it has not paid or agreed to pay any person, company, corporation, individual, or firm other than a bona fide employee working solely for the Vendor, any fee, commission, percentage, gift, or any other consideration, contingent upon or resulting from the award of this Agreement.
- C. The Vendor shall comply with all federal, state, and local laws, regulations and ordinances applicable to the work or payment for work thereof, and shall not discriminate on the grounds of race, color, religion, sex, or national origin in the performance of work under this Agreement.
- D. Vendor specifically acknowledges its obligations to comply with Section 119.0701, Florida Statutes, with regard to public records, and shall:
 - 1) keep and maintain public records that ordinarily and necessarily would be required by the County in order to perform the services required under this Agreement;
 - 2) upon request from the County, provide the County with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law;

- 3) ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed, except as authorized by law; and
- 4) meet all requirements for retaining public records and transfer, at no cost to the County, all public records in possession of Vendor upon termination of this Agreement and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the County in a format that is compatible with the information technology system of the County.

IF THE VENDOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE VENDOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THE CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT 239-533-2221, 2115 SECOND STREET, FORT MYERS, FL 33901, publicrecords@leegov.com; <http://www.leegov.com/publicrecords>.

- E. The Vendor is, and shall be, in the performance of all work, services and activities under this Agreement, an independent contractor. Vendor is not an employee, agent or servant of the County and shall not represent itself as such. All persons engaged in any work or services performed pursuant to this Agreement shall at all times, and in all places, be subject to the Vendor's sole direction, supervision and control. The Vendor shall exercise control over the means and manner in which it and its employees perform the work, and in all respects the Vendor's relationship and the relationship of its employees to the County shall be that of an independent contractor and not as employees of the County. The Vendor shall be solely responsible for providing benefits and insurance to its employees.

IX. OWNERSHIP OF PRODUCTS

It is understood and agreed that all products provided under this Agreement shall become the property of the County upon acceptance by the County.

X. TIMELY DELIVERY OF PRODUCTS AND PERFORMANCE OF SERVICES

- A. The Vendor shall ensure that all of its staff, contractors and suppliers involved in the production or delivery of the products are fully qualified and capable to perform their assigned tasks.
- B. The personnel assigned by the Vendor to perform the services pursuant to this Agreement shall comply with the terms set forth in this Agreement.

- C. The Vendor specifically agrees that all products shall be delivered within the time limits as set forth in this Agreement, subject only to delays caused by force majeure, or as otherwise defined herein. "Force majeure" shall be deemed to be any unforeseeable and unavoidable cause affecting the performance of this Agreement arising from or attributable to acts, events, omissions or accidents beyond the control of the parties.

XI. COMPLIANCE WITH APPLICABLE LAW

This Agreement shall be governed by the laws of the State of Florida. Vendor shall promptly comply with all applicable federal, state, county and municipal laws, ordinances, regulations, and rules relating to the services to be performed hereunder and in effect at the time of performance. Vendor shall conduct no activity or provide any service that is unlawful or offensive.

XII. TERMINATION

- A. The County shall have the right at any time upon fifteen (15) days' written notice to the Vendor to terminate this Agreement in whole or in part for any reason whatsoever. In the event of such termination, the County shall be responsible to Vendor only for fees and compensation earned by the Vendor, in accordance with Section III, prior to the effective date of said termination. In no event shall the County be responsible for lost profits of Vendor or any other elements of breach of contract.
- B. After receipt of a notice of termination, except as otherwise directed, the Vendor shall stop work on the date of receipt of the notice of termination or other date specified in the notice; place no further orders or subcontracts for materials, services, or facilities except as necessary for completion of such portion of the work not terminated; terminate all vendors and subcontracts; and settle all outstanding liabilities and claims.
- C. The County's rights under this Agreement shall survive the termination or expiration of this Agreement and are not waived by final payment or acceptance and are in addition to the Vendor's obligations under this Agreement.

XIII. DISPUTE RESOLUTION

- A. In the event of a dispute or claim arising out of this Agreement, the parties agree first to try in good faith to settle the dispute by direct discussion. If this is unsuccessful, the parties may enter into mediation in Lee County, Florida, with the parties sharing equally in the cost of such mediation.

- B. In the event mediation, if attempted, is unsuccessful in resolving a dispute, the parties may proceed to litigation as set forth below.
- C. Any dispute, action or proceeding arising out of or related to this Agreement will be exclusively commenced in the state courts of Lee County, Florida, or where proper subject matter jurisdiction exists, in the United States District Court for the Middle District of Florida. Each party irrevocably submits and waives any objections to the exclusive personal jurisdiction and venue of such courts, including any objection based on forum non conveniens.
- D. This Agreement and the rights and obligations of the parties shall be governed by the laws of the State of Florida without regard to its conflict of laws principles.
- E. Unless otherwise agreed in writing, the Vendor shall be required to continue all obligations under this Agreement during the pendency of a claim or dispute including, but not limited to, actual periods of mediation or judicial proceedings.

XIV. STOP WORK ORDER

The County may, at any time, by written order to the Vendor, require the Vendor to stop all or any part of the work called for by this Agreement. Any order shall be identified specifically as a stop work order issued pursuant to this clause. This order shall be effective as of the date the order is delivered to the Vendor. Upon receipt of such an order, the Vendor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. The Vendor shall not resume work unless specifically so directed in writing by the County. The County may take one of the following actions:

1. Cancel the stop work order; or
2. Terminate the work covered by the order; or
3. Terminate the Agreement in accordance with provisions contained in Section XI.

In the event the County does not direct the Vendor to resume work, the stop work order may be converted into a notice of termination for convenience pursuant to Section XII. The notice period for such termination shall be deemed to commence on the date of issuance of the stop work order. In the event the County does not direct the Vendor to resume work within ninety (90) days, the Vendor may terminate this Agreement.

XV. VENDOR WARRANTY

- A. All products provided under this Agreement shall be new (unless specifically identified otherwise in Exhibit B) and of the most suitable grade for the purpose intended.
- B. If any product delivered does not meet performance representations or other quality assurance representations as published by manufacturers, producers or distributors of the products or the specifications listed in this Agreement, the Vendor shall pick up the product from the County at no expense to the County. The County reserves the right to reject any or all materials if, in its judgment, the item reflects unsatisfactory workmanship or manufacturing or shipping damage. In such case, the Vendor shall refund to the County any money which has been paid for same.

XVI. MISCELLANEOUS

- A. This Agreement constitutes the sole and complete understanding between the parties and supersedes all other contracts between them, whether oral or written, with respect to the subject matter. No amendment, change or addendum to this Agreement is enforceable unless agreed to in writing by both parties and incorporated into this Agreement.
- B. The provisions of this Agreement shall inure to the benefit of and be binding upon the respective successors and assignees of the parties hereto. A party to this Agreement shall not sell, transfer, assign, license, franchise, restructure, alter, or change its corporate structure or otherwise part with possession or mortgage, charge or encumber any right or obligation under this Agreement without the proposed assignee and/or party restructuring, altering or changing its corporate structure agreeing in writing with the non-assigning party to observe and perform the terms, conditions and restrictions on the part of the assigning party to this Agreement, whether express or implied, as if the proposed assignee and/or party restructuring, altering or changing its corporate structure was an original contracting party to this Agreement. Notwithstanding the foregoing provision, the Vendor may assign its rights if given written authorization by the County and claims for the money due or to become due to the Vendor from the County under this Agreement may be assigned to a financial institution or to a trustee in bankruptcy without such approval from the County. Notice of any such transfer or assignment due to bankruptcy shall be promptly given to the County.
- C. The exercise by either party of any rights or remedies provided herein shall not constitute a waiver of any other rights or remedies available under this Agreement or any applicable law.
- D. The failure of the County to enforce one or more of the provisions of the Agreement shall not be construed to be and shall not be a waiver of any such provision or provisions or of its right thereafter to enforce each and every such provision.

- E. The parties covenant and agree that each is duly authorized to enter into and perform this Agreement and those executing this Agreement have all requisite power and authority to bind the parties.
- F. Neither the County's review, approval or acceptance of, nor payment for, the products and services required under this Agreement shall be construed to operate as a waiver of any rights under this Agreement or of any cause of action arising out of the performance of this Agreement.
- G. If the Vendor is comprised of more than one legal entity, each entity shall be jointly and severally liable hereunder.
- H. Any notices of default or termination shall be sufficient if sent by the parties via United States certified mail, postage paid, or via a nationally recognized delivery service, to the addresses listed below:

| Vendor's Representative: | | County's Representatives: | |
|--------------------------|---|---------------------------|---|
| Name: | Jeremy Mader | Names: | Roger Desjarlais Mary Tucker |
| Title: | President | Titles: | County Manager Director of Procurement Management |
| Address: | 18161 N. Tamiami Trail, Ft. Myers, FL 33903 | Address: | P.O. Box 398 Fort Myers, FL 33902 |
| Telephone: | 239-731-5455 | Telephone: | 239-533-2221 239-533-8881 |
| Facsimile: | 239-731-8165 | Facsimile: | 239-485-2262 239-485-8383 |
| E-mail: | maderelectricmotors@msn.com | E-Mail: | rdesjarlais@leegov.com mtucker@leegov.com |

- I. Any change in the County's or the Vendor's Representative will be promptly communicated by the party making the change.
- J. Paragraph headings are for the convenience of the parties and for reference purposes only and shall be given no legal effect.
- K. In the event of conflicts or inconsistencies, the documents shall be given precedence in the following order:
 1. Agreement
 2. County's Purchase Order
 3. Solicitation No. B180244GWT

4. Vendor's Submittal in Response to Solicitation No. B180244GWT

[The remainder of this page intentionally left blank.]

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date last below written.

WITNESS:

JOHN MADER ENTERPRISES, INC.

Signed By: Dave Lindley

Signed By: [Signature]

Print Name: Dave Lindley

Print Name: Jeremy Mader

Title: President

Date: 8-8-18

LEE COUNTY

BOARD OF COUNTY COMMISSIONERS
OF LEE COUNTY, FLORIDA

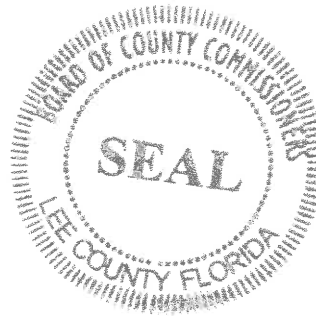
BY: [Signature]
CHAIR

DATE: 8-10-18

Commissioner Cecil L Pendergrass
Lee County Board of County Commissioners
District 2

ATTEST:
CLERK OF THE CIRCUIT COURT
Linda Doggett, Clerk

BY: [Signature]



APPROVED AS TO FORM FOR THE
RELIANCE OF LEE COUNTY ONLY:

BY: [Signature]
OFFICE OF THE COUNTY ATTORNEY

EXHIBIT A SCOPE OF SERVICES

SCOPE OF WORK AND SPECIFICATIONS

LEE COUNTY, FLORIDA DETAILED SPECIFICATIONS FOR

1. SCOPE

Lee County Board of County Commissioners is seeking the services of both a primary vendor and a secondary vendor to provide all necessary labor, materials, and equipment to service both in the field and in their shop, electric motor repair work. Such services will consist of, but not limited to, the repair and rewind of motors, field services in the removing and installing of equipment, predictive and preventive maintenance of rotating equipment, technical support, substantial inventory, panel shop capabilities and the ability to retrofit wells from existing turbine motors to submersible motors.

2. OVERVIEW

These detailed specifications consist of several sections, several of which include a series of requirements to which the vendor must answer either "Yes" or "No". Obviously, it is desired that vendors respond with a "Yes" to all requirements; and while answering "No" may not eliminate the vendor from consideration for an award, an explanation as to why that requirement could not be met should be included with your bid response. Lee County Utilities (LCU) will review this explanation and will make a determination as to whether or not it is satisfactory enough to permit the consideration of that vendor's pricing for an award. All decisions made by Lee County Utilities (LCU) will be final.

Only those vendors who, in the sole opinion of the county, best satisfy the needs of the Lee County Utilities will have their pricing considered for an award. All decisions will be final. A site visit to the vendor's facility may be made to substantiate qualifications. Misrepresentation of qualifications or equipment necessary to properly service the County's requirements will be cause for immediate revocation of recommendation.

3. REGULAR DEALER

Bids will be considered only from firms which qualify as a "regular dealer".

A "regular dealer" means a firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials or supplies required for the performance of the contract are bought, kept in stock, and regularly sold to the public in the usual course of business. To be a regular dealer, the firm must engage in, as its principal business and in its own name, the purchase and sale of the products in question.

4. MAJOR BREAKDOWNS/NATURAL DISASTERS

Lee County requires that the awarded vendor provide the name of a contact person and phone number which will afford Lee County access twenty-four hours per day, 365 days per year, of this product or service in the event of major breakdowns or natural disasters.

Lee County reserves the right to purchase the product or service listed in this quotation elsewhere in an emergency situation.

5. COMPENSATION RATE AND FEE SCHEDULE CHANGES

The bid price shall be firm and will not vary during the first year of the agreement. However, if the awarded vendor requests a price increase during the remaining years of the contract, it will be reviewed by both the Department of Public Works (Utilities Division) and the Purchasing Division. If accepted by Lee County, the increase will only take effect after the awarded vendor receives the approval in writing from the Purchasing Division.

EXHIBIT A SCOPE OF SERVICES

6. WARRANTIES

As a minimum, the awarded vendor shall provide warranties on all work as follows:

- *On labor and materials - 12 Months,
- *On rebuilt or repaired equipment - 90 days,
- *On new equipment, manufacturer's warranty period.

7. DOCUMENTATION

The awarded vendor shall provide to LCU all installation, operation and maintenance manuals for all new equipment supplied and/or installed; as well as all warranties.

8. AUTHORIZATION TO PERFORM WORK

Upon award LCU will provide contractor a list of LCU employees empowered to authorize work.

9. INVOICING

Bidders should provide a sample invoice with their bid. At a minimum, this invoice should include the following items.

- County work order, purchase order or contract number.
- Name of facility where work was performed.
- Address or location of facility.
- Problem corrected and description of work performed.
- Identifiers for equipment worked on; e.g. lift station number, pump number, serial number, horsepower, manufacturer, etc.
- For labor; name, classification, work performed, total straight time hours worked, total premium time hours worked and extended amount.
- For repair components; item, quantity, unit price and extended amount.
- For replacement equipment supplied and/or installed; item description, manufacturer, model number, serial number, location where delivered or installed, price, mark-up and extended amount.
- For crew, premium time hours for crew, rate for crew, crane use hours, rate and extended amounts.
- For any subcontracted work; name of subcontractor, work performed, price, mark-up and extended amount.
- For Miscellaneous items, e.g. overnight freight, pick-up or delivery charges, consumables .etc.; item, cost, mark-up if any and extended amount.
- For specialty services, if any; service provided, name of provider, hours, rate and extended amount.

SECTION 1 - QUALIFICATIONS

Introduction

As stated above, Lee County is seeking the services of both a primary vendor and a secondary vendor to provide all necessary labor, materials, and equipment to service both in the field and in their shop, electric motor repair work. Such services will consist of, but not limited to, the repair and rewind of motors, field services in the removing and installing of equipment, predictive and preventive maintenance of rotating equipment, technical support, substantial inventory, panel shop capabilities and the ability to retrofit wells from existing turbine motors to submersible motors.

EXHIBIT A SCOPE OF SERVICES

The awarded vendor shall comply with NFPA 70 E codes while doing work in any facilities. Any violations of NFPA 70 E codes the vendor will be dismissed from the job site. There will be no exceptions.

Response Format

Bidders should submit three (3) copies of their submittal. The response format shall contain a letter of transmittal and the following three tabs with the stated information behind each tab. Where specified, the maximum number of pages in each section of the response shall consist of single-sided, 8-1/2" x 11" paper, using 12-point characters. Responses exceeding these limits may be considered non-responsive.

1. Report on the Firm (maximum 25 pages)

- a. The history of the firm, its corporate structure, years in business, current facility, fleet, inventory resources, and areas of expertise.
- b. Capabilities and technical background of dedicated staff.
- c. List any current or past clients for whom the firm is providing or has provided a similar service program. Include a description of the services provided, the scale of the program, and a point of contact for each. Vendor must demonstrate a proficiency for servicing a utilities infrastructure like that of Lee County.

2. Project Approach (maximum 25 pages)

Describe, in detail, the proposed strategy for providing the services as listed. Include emergency and non-emergency response times, estimates of typical repair times for motors and pumps, a sample predictive maintenance proposal, and your warranty policy.

3. Additional Information (optional) (maximum 10 pages)

Provide any additional information that may assist in the evaluation of the quotation.

VENDOR REQUIREMENTS

Lee County shall require that the vendor provide the following services in conjunction with their motor repair capabilities. Vendors must indicate below for each numbered statement whether you can comply (yes) or cannot comply (no) and should submit this page with your quotation. If your answer is no, please briefly explain why you cannot comply.

1. **Field Service Capabilities** -- provide trained personnel and service vehicles to Lee County in the removing and re-installing of all rotating equipment if required.

Yes No

2. **Predictive Maintenance** -- provide trained personnel and service vehicles to Lee County for vibration analyses, field balancing, and laser alignment of all equipment pulled out of service and reinstalled where applicable. Vendor must own and maintain an IRD Data Pac 1500 and a Fixture Laser or equivalent to perform these services. A hard copy of results will be furnished with each repair.

Yes No

 B180244GWT Electric Motor Repair & Replacement Services

EXHIBIT A SCOPE OF SERVICES

3. **U.L. 508 Control Panel Builder** – Vendor will supply to Lee County the ability to design, engineer, fabricate and install a U.L. Listed Control Panel. It is not necessary for the vendor to fabricate or engineer these panels in-house; panels not built on the vendor's premises but are built to County specifications in a U.L. 508 panel facility will be acceptable

Yes No

4. **Inventory** – Vendor will maintain a motor inventory of high efficiency motors from fractional up to and including 150HP, 460-volt, TEFC, 1800RPM at his repair facility. A copy of his current inventory will be required prior to ratifying contract.

Yes No

INSURANCE REQUIREMENTS (MINIMUM):

The company submitting the RFQ must be able to provide a copy of their current Certificate of Insurance or a letter from their insurance company evidencing the fact that the Vendor is able to be insured pertaining to Electric Motor Repair & Replacement Services as per the insurance requirements detailed in these specifications. The certificate or letter should be included with your bid response.

Yes No

1. Introduction

1.1 OVERVIEW

This Model Repair Specification lists the suggested minimum requirements for the repair and overhaul of low-voltage random-wound three-phase AC squirrel cage induction motors, which are sent for repair. It pertains to motors with anti-friction bearings (ball and roller) only

1.2 INTENT

The intent of this Model Repair Specification is to achieve a consistent, high quality diagnosis, repair and/or overhaul of a motor, and to return it to good operating condition with a minimum of delay and cost. Not all repair situations can be covered in this Model Repair Specification. In the absence of specific instructions, the requirement shall be to restore the motor to as-manufactured condition.

1.3 REFERENCE DOCUMENTS

The references to be used in conjunction with these Model Repair Specifications are the latest editions of the following:

UL UL674 Electric Motors and Generators For Use In Hazardous Locations

BASA AR100-1998 Recommended Practice For The Repair of Rotating Electrical Apparatus

IEEE IEEE Std. 43, Recommended Practice for Testing Insulation Resistance of Rotating Machinery

IEEE Std. 112, IEEE Standard Test Procedure for Polyphase Induction Motors and Generators

ISO ISO Std 1940-1, Mechanical Vibration—Balance Quality Requirements of Rigid Rotors

EXHIBIT A SCOPE OF SERVICES

NEMA NEMA Std. MG-1, Motors and Generators

ABMAANSI/ABMA Std. 7, Shaft and Housing Fits for Metric Radial Ball and Roller Bearings

Vendors should indicate for each numbered statement whether they can comply (yes) or cannot comply (no) and submit these pages with their quotation. If your answer is no, please briefly explain why you cannot comply.

1.4 HAZARDOUS LOCATIONS

Motors intended for use in hazardous locations will have a nameplate to that effect. The repair work shall be done in a facility that has been certified by the Underwriters Laboratories to meet the requirements of UL674 Qualification of Facilities Engaged in the Repair of Electric Motors and Generators for use in Hazardous Locations. Subcontracting these services will be acceptable. If the explosion-proof characteristics of the motor are not to be maintained, then the nameplate shall be altered to reflect this, and the motor will no longer be considered suitable for use in hazardous areas.

Yes No

1.5 GENERAL

1.5.1 Unavoidable Degradation

During the course of repair, if any damage is found which cannot be fully repaired, the County's approval is required before proceeding. Likewise, if any repair is indicated which may result in a permanent degradation of efficiency or other performance parameters, the County's approval is required before proceeding.

Yes No

1.5.2 Operating Environment

If this motor operates in severe environmental conditions, it will be indicated on the accompanying motor repair form. No repair methods or materials may be used which make the motor more vulnerable to these conditions than it was as originally built.

Yes No

1.5.3 If Powered by an Inverter

If "Powered by ASD" is checked on the accompanying Motor Repair Form, this motor is powered by a pulse-width-modulated inverter. The windings shall be sufficiently insulated and supported to withstand this type of power supply. Magnet wire must be of a design intended for inverter duty. The wire manufacturer and specification shall be reported to the County. Quad wire rated for inverter duty will only be accepted.

Yes No

1.5.4 Subcontracted Work

 B180244GWT Electric Motor Repair & Replacement Services

EXHIBIT A SCOPE OF SERVICES

Motor repair vendor will be responsible for performing all work. Absolutely no subcontracting of any repair work will be allowed. All winding will be performed at vendor's facility. The purchasing of form wound coils will be allowed.

Yes No

2. Repair Procedures

2.1 DOCUMENTATION

2.1.1 Repair Forms

The motor will be accompanied by a Motor Repair Form from the County which will list the perceived problems, the operating environment, the urgency of the repair, past problems where applicable, the required repair, cost constraints, missing parts and the person within the Utilities to be contacted about the repair. This form shall be used as a guide for the repair. A sample is included in Section 4 of these specifications.

During repair, actions and findings will be recorded on a Repairer's Tracking Form. It shall contain records of all the work done, problems noted, checks and measurements taken during the work, repairs carried out and the final tests conducted prior to shipping.

Requirements for the work, checks and tests are listed in the following sections.

Yes No

2.1.2 Expanded Work Scope

If tests and inspection indicate problems beyond the initial scope of the listed repair, then the designated person shall be contacted and given a description of the problems, plus an estimate of their effect on delivery and costs.

Yes No

2.1.3 File

The repairer will keep a copy of the Motor Repair Form in their file for the particular job for up to three years from the date of delivery.

Yes No

2.2 INCOMING INSPECTION

On receipt of the motor and after reading the Motor Repair Form, the repairer shall do the initial tests set out below, plus any other tests indicated by the form.

2.2.1 Intent

The intent of the initial tests shall be to determine and record the probable cause of failure, if any, to document certain pre-repair parameters, and to determine what work is required.

Yes No

EXHIBIT A SCOPE OF SERVICES

The repairer will keep a copy of the Motor Repair Form in their file for the particular job for up to three years from the date of delivery.

Yes No

2.2 INCOMING INSPECTION

On receipt of the motor and after reading the Motor Repair Form, the repairer shall do the initial tests set out below, plus any other tests indicated by the form.

2.2.1 Intent

The intent of the initial tests shall be to determine and record the probable cause of failure, if any, to document certain pre-repair parameters, and to determine what work is required.

Yes No

2.2.2 Visual

A visual inspection shall be made to assess the general condition of the outside of the motor for cracks, broken welds and missing parts.

Yes No

2.2.3 Insulation to Ground

An insulation resistance test to ground shall be performed, at a voltage suitable for the motor's voltage rating and the apparent condition of the motor. The testing shall be as follows:

- The initial test voltage shall be 500 volts DC.
- For motors where there is more than one winding, the insulation shall also be tested between windings, at the test voltage appropriate to the lower voltage winding, with other windings grounded.
- The duration of the insulation test shall be one minute. The temperature shall be recorded.

Yes No

2.2.4 Bearings

The shaft shall be manually rotated to check for any obvious problems with the bearings or shaft.

Yes No

2.2.5 No Load Run

If possible, the motor shall be run on no load, at nameplate voltage and checked for balanced currents and vibration. The readings shall be noted on the Repairer's Tracking Form.

Yes No

2.3 DISMANTLING

2.3.1 Identify Problem

After the incoming inspection, the motor shall be dismantled to the extent needed to either fully identify or repair the problem, or to do the specified overhaul.

Yes No

EXHIBIT A SCOPE OF SERVICES

2.3.2 Markings

End brackets and frames shall be clearly match-marked with numerals or letters.

Yes No

2.3.3 Parts Storage

Bolts and small parts shall be stored in dedicated containers and parts from other jobs shall not be kept with them.

Yes No

2.3.4 Insulated Bearings

If the motor has insulated bearings, note which, if any have the insulation deliberately bridged. The insulation resistance of each insulated bearing shall be at least 10-megohms with a 500-volt DC test.

Yes No

2.3.5 Dowels

If dowels or fitted bolts are used to ensure accurate fits, the location of these pieces shall be identified.

Yes No

2.3.6 Explosion Proof

Repairer or repairer's subcontractor must be certified by UL for repair of explosion-proof motors. For motors certified for hazardous locations, extra care shall be taken to ensure that joints and flame paths are not damaged during the work. If damage requiring other than normal repair is found, Utilities shall be notified before proceeding with repair.

Yes No

2.3.7 Rotor Removal

For horizontal motors where the shaft rotor assembly is too heavy to be removed easily by hand, one or two cranes shall be used to move the shaft, with a close fitting pipe installed over one end of the shaft to act as a shaft extension. Attention shall be paid to the following:

- Care shall be taken that the slings do not damage the bearing surfaces or the rotor.
- Under no circumstances shall the stator windings be touched by any of the parts being moved.

Yes No

2.4 VERTICAL MOTORS

Vertical motors shall be dismantled according to the manufacturer's instruction book. The assembly of vertical motors is critical. Particular attention shall be paid to, and records kept of:

- The amount of rotor lift (end play);
- The make and types of bearings, particularly the thrust bearings including orientation of thrust bearings;
- The arrangement of the thrust and guide bearings, including specially ground mating surfaces;
- The axial and radial clearances (fit) to the shaft and housing;
- The method of lubrication of both upper and lower bearings;
- The method of bearing insulation, if any; and

EXHIBIT A SCOPE OF SERVICES

- Any other particular features of the motor configuration.

Yes No

2.5 WINDING REMOVAL

2.5.1 General

For motors that are to be rewound, the core shall be stripped, cleaned, tested and repaired.

Yes No

2.5.2 Take Data

Winding data shall be recorded so as to permit replicating original configuration.

Yes No

2.5.3 Core Loss

A core loss test shall be done on all stators both before and after stripping and iron repair, to check for damaged interlaminar insulation. The tests shall be done at a flux density of 85,000 lines per square inch rms. Exciting current and watts loss shall be recorded each time, as well as a physical check carried out for hot spots. If data from previous tests are available, the results shall be compared. Testing at other flux densities may be done if previous data is available.

If hot spots exceed 15°C above the average temperature after 10 minutes, or losses are excessive overall either before or after stripping, the situation shall be discussed with Utilities before proceeding further. For a core without any hot spots, the losses after stripping shall not be more than 10% higher than the pre-strip losses. To avoid misleading results, the second core loss test should not be done until the core has been cleaned and dried.

Vendor will own and maintain a core loss tester equivalent to or better than a Phenix Core Loss Tester.

Yes No

2.5.4 Burn Out

The winding shall be burned out in a controlled temperature burnout oven where the part temperature is limited by means of fuel control and supplementary (water spray) cooling to 3600C (6800F) for organic (C3) or 4000C (7500F) for inorganic (CS) interlaminar insulation. If a higher temperature is deemed necessary, repairer shall reference communication or documentation from the motor manufacturer indicating that the core iron can safely withstand the temperature.

Yes No

2.5.5 Aluminum Frame

Frames may be chemically stripped if burnout facilities are not available. Other methods of stripping may only be used with Utilities' approval.

Yes No

2.6 CORE PREPARATION

EXHIBIT A SCOPE OF SERVICES

2.6.1 Cleaning

The stripped core shall be cleaned of all foreign material, such as insulation debris, and dried.

Yes No

2.6.2 Iron Damage

All obvious iron damage, plus any problems indicated by the core loss tests, and significant frame damage, shall be reported to Utilities before proceeding further.

Yes No

2.6.3 Method of Repair

The method of repair to damaged cores shall be discussed with Utilities and shall be chosen from the following:

- Grinding. Selective grinding with a small sharp power tool.
- Spray between laminates. Separating laminations and re-insulating with spray-on inter-laminar insulation.
- Mica between laminations. Inserting split mica between the laminations.
- Restacking. Restacking, with deburred laminations and new interlaminar insulation.

Yes No

2.6.4 Core Loss Test

A final core loss test shall be done as described in sub-section 2.5.3.

2.7 REWINDS

Yes No

2.7.1 Winding Details

The total cross sectional area of a turn, the turns per coil, the span and connection of the coils shall not be changed without authorization from Utilities.

Yes No

2.7.2 Thermal Class

Class II or higher system materials shall be used throughout. Windings which were originally Class F or lower shall be rewound with Class H magnet wire and materials.

Yes No

2.7.3 Sensors

Temperature sensing devices shall be replaced with devices comparable to those previously used.

Yes No

2.7.4 Explosion Proof

If the temperature class of the insulation of an explosion-proof motor has been increased, a temperature sensor shall be installed to monitor and limit the motor surface temperature to the original maximum external temperature. The motor shall be tagged with a warning to the operator that to maintain the hazardous area classification, the sensor must be connected to shut down the motor.

EXHIBIT A SCOPE OF SERVICES

Yes No

2.7.5 Insulation Materials

Insulation shall include, as a minimum, the following components:

- Turn insulation. Multiple build coating turn insulation of polyamide, polyimide or a combination of both over polyester, or equivalent;
- Slot Liner. Slot liner extending at least one-quarter inch past each end of the slot;
- Separator. Center strip or separator between the top and bottom coil sides in a slot;
- Wedge. A top piece to hold the coils in the slot (where needed, a bottom filling piece shall be used to make up any extra space in the slot); and,
- Phase Barriers. Phase barriers between end turns of different phases (these shall be trimmed to permit clear airflow).

Yes No

2.7.6 End Turns

The end turns shall be fully compacted so that there are no loose wires. Both sets of end turns, plus leads and jumpers, shall be laced tightly together so that each coil is tied securely to the two adjacent coils.

Yes No

2.7.7 Connections

All connections shall be brazed with materials that will not be subject to corrosion in the specified operating environment. They shall have no sharp edges and shall be insulated.

Yes No

2.7.8 Winding Test

Before impregnation, the winding shall be tested to verify that there are no wrong connections or shorted turns. This will include a surge comparison test, a high potential test, and winding resistance test using a Baker D12000 Hi-Pot and a Baker DLRO Tester or equivalent. Voltage used shall be as indicated in EASA Recommended Practices for the Repair of Rotating Electrical Apparatus or other standards approved by Utilities. Any defects shall be corrected and retested before impregnating. Test results shall be recorded in the Repairer's Tracking Form.

Yes No

2.7.9 Impregnation

The rewound stator shall be impregnated in one of the following ways:

Dip-and-Bake. Double dip-and-bake cycle using resin or varnish and a temperature controlled bake oven (baking times and temperatures shall be recorded in the Repairer's Tracking Form.)

Trickle. A trickle epoxy or polyester treatment where the resin is poured into the end turns and slots of a vertically inclined stator, which has been heated with controlled electric current to assist in curing the resin.

Yes No

2.8 ROUTINE OVERHAULS

EXHIBIT A SCOPE OF SERVICES

2.8.1 Testing

After dismantling, the following procedure shall be followed:

- Winding and cooling ducts shall be cleaned, dried and inspected.
- Winding insulation resistance shall be tested at 500 volts DC.
- The duration of the test shall be one minute. The minimum acceptable level after one minute, corrected to a 400C reference temperature per IEEE 43, is 20 megohms. Levels less than 20 megohms shall be discussed with Utilities.
- If satisfactory levels are not attained, the winding shall be re-cleaned and dried thoroughly at a temperature not exceeding 900C (1950F), and then retested.
- After successful insulation resistance to ground has been achieved, the winding shall be given a high potential or surge comparison test. Voltage level used shall be as indicated in EASA Recommended Practice for the Repair of Rotating Electrical Apparatus or other standards approved by Utilities.

Yes No

2.8.2 Cleaning

The components, including the stator windings, shall be cleaned with hot water and a suitable detergent after heavy deposits of dirt and grease have been removed by scraping and wiping.

If necessary, brushes shall be used to clean small passages in components.

Solvents shall not be used to clean insulation, but may be used on mechanical components of the motor.

All components shall be thoroughly dried at a temperature less than 900C (1950F), for as long as it takes to remove all signs of moisture. For windings, this will be indicated by the insulation resistance stabilizing after some hours of drying.

Yes No

2.8.3 Repairs

After satisfactory insulation resistance has been attained, all loose or damaged wedges, slot sticks, coil supports etc., shall be replaced or repaired.

The winding shall then be given a minimum of two dip-and-bakes using a Class II or higher- grade varnish. Immersion and baking times shall be sufficient to penetrate any cracks and give a sealed durable finish to the insulation. The repairer shall notify Utilities if a dip-and- bake is undesirable.

Yes No

2.8.4 Other

The routine overhaul of other parts of the motor shall return the parts to good condition.

Yes No

2.8.5 Reassembly

The assembly of the motor after overhaul is covered in sub-section 2.15.

Yes No

2.9 ROTOR TEST AND REPAIR

2.9.1 Testing

EXHIBIT A SCOPE OF SERVICES

All rotors shall be given a test for damaged bars, whether the motor is suspect in this area or not. This test shall apply a stable single-phase voltage to the stator of the assembled motor while the shaft is slowly turned through at least one revolution. Any fluctuations of stator current in excess of 3 percent shall be investigated further. Other methods may be used if the stator winding is faulty and it can be shown that they have a good record of detecting faults.

For motors where electrical or mechanical problems with the rotor are suspected, more sophisticated tests shall be used. These include one or more of the following:

- Growler tests;
- Current analysis or vibration analysis of a loaded motor;
- Physical examination;
- Ultrasonic examination of the bars and end rings; and,
- Core loss tests (axial current thorough shaft).

Yes No

2.9.2 Fabricated Cage Repair

Since repair of squirrel cages can be expensive, no work shall be done in this area without Utilities' approval.

Yes No

2.9.3 Cage Replacement

For cage replacement, the conductive, metallurgical and strength characteristics of both the bar and end ring materials shall be determined and duplicated. Since changing the rotor resistance or density has major effects on the motor performance, no change in these is permitted without Utilities' approval.

Any parts that are to be reused shall be cleaned and examined for defects.

Yes No

2.9.4 Testing

After fabrication, the joints shall be examined and tested by ultrasonic or comparable means.

Yes No

2.9.5 Balance

The rotor shall be dynamically balanced to the tolerances listed in sub-section 2.14 of these specifications.

Yes No

2.9.6 Cast Rotor Repair

A defective cast cage shall not be repaired without prior authorization from Utilities.

The method of repair shall be to remove the old cage by chemical means, without damaging the laminations, followed by re-barring with extruded, aluminum bars and duplicate cast aluminum end rings to give the same cage resistance as before.

Yes No

2.9.7 Iron Repairs

EXHIBIT A SCOPE OF SERVICES

Because of the costs involved, this work shall not be done without prior approval from Utilities. If tests or observation indicate that the laminations have been damaged, they shall be repaired or replaced with new laminations. Care shall be taken to ensure a consistent air gap.

Yes No

2.10 SHAFT REPAIR

2.10.1 General

If information on the Motor Repair Form or any tests indicates that there may be a shaft problem, it shall be tested and repaired or replaced. If there is any risk or uncertainty in the proposed repair method, this shall be discussed with Utilities prior to proceeding.

Yes No

2.10.2 Requirements

When the work is completed, the shaft shall meet the following criteria:

- Total Indicated Runout. It shall be straight, with a Total Indicated Runout (TIR) when measured in V blocks, of no more than 0.051 mm (0.002 inch) for up to 41.3 mm (1.625 inch) shaft diameter and no more than 0.003 inch for larger diameters.
- No Cracks. The shaft shall have no cracks. If ultrasonic, magnetic particle, dye penetrant or other testing methods are needed to verify this; they shall be documented in repair records.
- Straightness. The shaft shall be straight, parallel and undamaged at the bearing areas. If any measurable but acceptable deviation from this is noted, it shall be documented in repair records.
- Journal Repairs. Make journal repairs by welding or plating, followed by machining and grinding, with fit as specified in section 2.11.4.
- Fit To Rotor. The shaft shall be a tight fit to the rotor iron. If there is looseness, the shaft shall be built up and turned for proper interference fit, or shall be replaced.
- Shaft Material. New shafts shall be machined from AISI Gr. C1045 hot rolled steel or better. For special applications, the service center shall consult with the manufacturer and report recommendations to Utilities.
- Tolerances. Shaft extension dimension tolerances shall be within the limits specified in NEMA MG-1, Motors and Generators sections.

Yes No

2.11 ANTI-FRICTION BEARINGS

2.11.1 New Bearings

Anti-friction bearings shall always be replaced. New bearings shall be SKF brand, unless otherwise approved by Utilities. If the bearing type, size, sealing, shielding or configuration is changed, this shall be noted on a supplemental nameplate. If the original bearing race showed pitting from shaft current, the causes and remedy for this shall be discussed with Utilities.

Yes No

2.11.2 Shielding, Sealing

If the method of shielding, sealing or lubricating is to be changed, it shall be approved by Utilities.

B180244GWT Electric Motor Repair & Replacement Services

EXHIBIT A
SCOPE OF SERVICES

Yes No

2.11.3 Clearance

Unless otherwise specified by the manufacturer or Utilities, C3 clearance bearings shall be used for all bearings.

Yes No

2.11.4 Tolerances

Fitting tolerances to the journals and housings shall be per manufacturer's specifications. Out of tolerance fits shall be restored. (Reference ANSI/ABMA Std. 7-1995 as a guide.)

Yes No

2.11.5 Heating

The bearing shall be heated, without use of direct flame, to approximately 940C (2000F) to permit it to be slid easily onto the shaft up to the shoulder. Bearings with bores under 45mm may be press fit.

Yes No

2.11.6 Grease

Greasable bearings shall be lubricated as specified in the EASA Recommended Practice for the Repair of Rotating Electrical Apparatus or other standards approved by Utilities.

Lubrication shall be in accordance with the motor manufacturer's recommendations if available. Otherwise fill the cavity to 1/3 capacity. The lubricant shall be compatible with both Utilities' lubricant and the lubricant packed by the bearing manufacturer.

Yes No

2.11.7 Insulated Bearings

Insulated bearing resistance shall be at least 10 megohms. Voltage applied from the megohmmeter should not exceed 500 VDC. Alternately a 1 15VAC test lamp may be used. No light should be visible from the lamp filament. (Reference IEEE 112-1996, section 9.4.3, or EASA AR100-1998)

Yes No

2.12 End Brackets

2.12.1 Requirements

End brackets shall fit snugly to the stator frame. Worn dowel holes and rabbet fits shall be repaired.

Yes No

2.12.2 Tolerances

See section 2.11.4 for the fit of the outer diameter of anti-friction bearings to housings.

Yes No

2.12.3 Repairs

EXHIBIT A SCOPE OF SERVICES

Repairs to end bracket-bearing housings shall be by building up the metal and machining to size. Welding, plating and sleeving are the accepted methods.
Epoxies and other compounds shall not be used for locking bearings.

Yes No

2.13 OTHER DEVICES

2.13.1 Fans

Fans shall be checked for cracks and fit to the shaft or rotor.

Fans shall be firmly fixed to the shaft or rotor by the original factory method, unless there has been corrosion between dissimilar metals, in which case a new method shall be proposed to Utilities. Welding to the shaft is not permitted.

Repairs to fans shall only be done after discussion with Utilities.

New fans shall be as supplied by the original manufacturer if available.

Fans used in motors for use in hazardous locations shall be made of material that will not cause sparking; either by impact or by build-up of static electricity.

Yes No

2.13.2 Temperature Sensors

Temperature sensors shall be installed in the motor as originally found or as otherwise specified by Utilities.

- Bearing. Bearing sensors shall be of the same type as those removed and shall be located to sense, as nearly as possible, the highest bearing temperature. If the original bearing sensor was insulated, the replacement shall also be insulated.

- Winding. Sensor type shall be the same as the original and will usually be located in the end turns.

Yes No

2.13.3 Leads

Leads shall be flexible and multi-stranded, and have at least the same cross sectional area as the original leads. Temperature class must be the same as original or better.

Main power and accessory leads shall be indelibly marked using the same marking systems as the incoming motor. If this is illegible, then the system described in NEMA MG-1, Motors and Generators, Section 2 shall be used and a notice describing the system attached to the terminal box. Every effort shall be made to keep the original direction of rotation.

Lugs, if used, shall be suited for the application and have all cable strands in the lug. No cable strands may be cut off or bent back to facilitate insertion in the lug.

If crimp lugs are used, the correct make and style of die shall be used for the particular lug, and the correct compression applied.

Yes No

2.13.4 Terminal Boxes

Terminal boxes shall be returned to original condition. In particular, the following items must be confirmed.

- Missing bolts and gaskets for both the cover and the motor-to-box joint shall be replaced.

- On motors certified for hazardous environments, the junction boxes shall be sealed off from the main body of the motor by a sealing compound approved by UL for this application.

31 B180244GWT Electric Motor Repair & Replacement Services

EXHIBIT A SCOPE OF SERVICES

• Damaged flanges shall be repaired. No paint or gaskets shall be left on the flanges of boxes for explosion-proof motors.

Yes No

2.13.5 Space Heaters

Space heaters shall be tested for insulation resistance for one minute at 500 volts. A 10- megohm minimum resistance is acceptable.

They shall be tested for correct functioning.

Yes No

2.13.6 Vibration Sensors

Vibration sensors shall be replaced in their original locations.

Yes No

2.14 Balancing

The motor rotor shall be dynamically balanced in a balance stand before assembly of the motor. An IRD 5000 pound dynamic balancer or equal will be used for every motor repair and recorded on repairer's tracking card. Balance criteria include the following:

- Half key. It shall be balanced with a half key in the keyway.
- Tolerance G2.5 (ISO 1940-1). Generally, the permitted total imbalance is $15W/N/2 = \text{oz in/plane}$ where W is weight of rotor in pounds and N is operating speed in RPM. (426 W/N/2 gin. in/plane)
- Tolerance G1.0 (ISO 1940-1). Two Pole rotors should be balanced to $6W/n/2 = \text{oz.in./plane}$. (170.4 W/n/2 gin. in/plane)
- Material removal. If material is removed, structural integrity and fan capacity shall be maintained.
- Added material. Added material shall be able to withstand the centrifugal forces and be positioned either in the manufacturer's designated positions and locked in place, or positioned in a location where centrifugal force will tend to keep the material in place. Weights may be attached to metallic parts only.

Yes No

2.15 REASSEMBLY

The assembly of the motor is the reverse of the disassembly process and the following points shall be observed:

- Match marks shall line up.
- On reinsertion of the rotor, take care not to damage the journals or the stator windings. Cranes, slings and extension pipes shall be used on heavy rotors. Check axial alignment of stator and rotor cores.
- Dowels and fitted bolts shall go back into the same holes that they came from.
- Where they can be measured, all air gaps shall be within 10 percent of the average.
- On motors with insulated bearings, the insulation shall be checked and noted. (See 2.11.7)
- On vertical motors, the lift on the shaft shall be the same as the original manufacturer's setting, unless Utilities and the repairer agree that a modified setting would give better performance.
- Motors for use in hazardous environments shall have all the explosion-proof features maintained and verified in accord with UL674.

Yes No

EXHIBIT A SCOPE OF SERVICES

2.16 FINAL TESTS

2.16.1 Insulation

Prior to running, the motor shall be given an insulation resistance test to ground in the following manner: For rewound motors, a DC high potential test shall be conducted at 1700 VDC for motors to be powered by less than 250VAC service voltage. Motors to be powered between 250VAC and 600VAC service voltage shall be tested at 1700VDC plus 3.4 times the machine's voltage rating, e.g. 3264VDC for a 460VAC machine. Readings corrected to 400C, which are less than 20 megohms, shall be discussed with Utilities. Vendor will own and maintain a Baker D12000 Hi-Pot Tester or equivalent to perform these tests and shall print out results and attach to each job tracker.

Yes No

2.16.2 Running Test

After the insulation tests, the motor shall be run at no load at full terminal voltage, with either a half key or a half coupling, on the shaft. If the motor uses an external oil supply and removal system in normal use, a similar system shall be arranged for the test. The test shall determine that:

- No Load Amps. No load current unbalance at balanced rated voltage shall be less than 2 percent.
- Vibration. Horizontal, vertical and axial readings shall be taken at each bearing and results recorded for Utilities' review. Repairer shall record vibration of motor with motor bolted down to an isolated test stand installed in repairer's shop for accurate readings.
- Temperature Rise. Temperature rise after levels stabilize shall be within normal limits on the frame and bearings.
- Shipment. At the completion of the test, the motor shall be painted as specified by the Utilities, and prepared for shipment. Any lubricant and coolant inlets and outlets shall be plugged and masked before painting and shipping. Any special precautions or preparations that should be noted before powering the motor shall be indicated on a tag.
- Testing of all motors shall be done with a Hubbell Hiptronics Motor Tester or equivalent and be capable of printing out no-load running amps, voltage, vibration, and bearing temperature for each motor repair. Tester shall be able to run AC motors up to 4160-volts and DC up to 600-volts.

Yes No

3. Quality Control

3.1 MEASURING INSTRUMENTS

3.1.1 Calibration

All measuring instruments shall be calibrated regularly. The calibration records shall be available for Utilities' inspection. Minimum frequency of calibration shall be annually, except:

- Insulation Testers. Insulation resistance testers—every six months to a known resistance;
- Dimension Meters. Micrometers, vernier calipers and other dimension measuring devices—every six months against a minimum grade AA gauge block set; and,
- Bore Gauges. Bore gauges shall be calibrated to a certified standard before and after each use.

Yes No

3.1.2 Storage

31 B180244GWT Electric Motor Repair & Replacement Services

EXHIBIT A SCOPE OF SERVICES

All measuring equipment shall be stored in a clean dry environment.

Yes No

3.2 MATERIALS

3.2.1 Anti-Friction Bearings

Anti-friction bearings shall be replaced with new SKF brand or equal, upon authorization from Utilities department. Bearings shall be stored in their factory packaging in a clean, dry, location. The location shall be isolated from any vibration strong enough to be felt by hand.

Yes No

3.2.2 Solid Insulation

Insulating materials such as slot liners, tapes and phase insulation shall be used and shall meet or exceed the temperature class H rating and shall be compatible with the resins used.

Specifications for the materials shall be obtained from the material supplier and kept for checking their suitability for the application.

Yes No

3.2.3 Resins and Varnishes

The manufacturer's material specifications for resins and varnishes shall be kept on file, to permit checking for correct storage, handling and usage.

A sample shall have been taken and analyzed to be satisfactory within three months of its being used on a motor.

Yes No

3.2.4 Other Materials

Other materials shall be new and of good quality. In particular the following shall be confirmed:

- Lead Wires. Lead wires shall be multi-stranded and flexible with insulation meeting or exceeding the temperature and voltage class of the motor.
- Magnet Wire. Magnet wire for random-wound motors shall be compatible with the other insulation system components and shall be insulated with a polyamide, polyimide or a combination of both, over a polyester base coat, or equivalent. Any wire damaged in storage or working shall be replaced. The manufacturer's specifications for the insulation shall be kept on file for reference. Inverter grade wire rated 1600-volts shall be used on all motors regardless if the motor is run off of a variable frequency drive or not.

Yes No

3.3 TESTS AND INSPECTION DURING WORK

3.3.1 Records

Records shall be kept of all tests and inspections carried out during the work. Signed copies of these records shall be shipped in original form, at the same time as the motor, to the designated contact person. Vendor shall keep all records for a period of not less than 3 years from date of repair.

Yes No

EXHIBIT A SCOPE OF SERVICES

3.3.2 Access

Lee County Personnel shall have access to the repair facilities at all times that work is being done, for the purposes of checking progress and inspecting the work. Due to emergency response time and the need for shop inspections, vendor's repair facility shall be no more than 90 miles from Detar Warehouse at 5180 Tice Street, Fort Myers, FL. NO EXHPTIONS.

Yes No

3.4 FINAL INSPECTION AND TEST

For all motors over 100 HP, or when Utilities specifies, Utilities shall be informed when the final inspection and testing of the motor is to take place. Utilities shall have the right to be present for tests on any motors. In emergency cases, tests will not be held up waiting for Utilities representatives, but every effort shall be made to keep Utilities informed so that they can be present if possible.

All final inspection and test results shall be sent, in their original form, to the designated contact person

Yes No

4. Motor Repair Form

| | | | | |
|------------------------------------|-----------------|--------------------------------|-----------------------|--------------------------|
| <i>Repairer:</i> | | | <i>Date:</i> | |
| <i>Motor</i> | <i>Facility</i> | <i>Dept.</i> | <i>Process</i> | <i>Description</i> |
| <i>Destination:</i> | | | | |
| <i>Manufacturer:</i> | <i>Type</i> | <i>Speed:</i> | <i>Power:</i> | <i>Frame:</i> |
| <i>Volts:</i> | <i>Amperes:</i> | <i>Ben</i> | <i>rings:</i> | <i>Lubricant Grade:</i> |
| <i>Serial #:</i> | <i>Rep</i> | <i>by (</i> | <i>face w/bearing</i> | |
| | | <i>mfg):</i> | | |
| <i>Other:</i> | | | | |
| <i>Service:</i> | | | <i>Powered by ASD</i> | <i>Contamination</i> |
| <i>Explain:</i> | | | <i>High Altitude</i> | <i>High Ambient Temp</i> |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| <i>Reason sent for repair:</i> | | | | |
| | | | | |
| <i>Required work:</i> | | | | |
| <i>Past problems with machine:</i> | | | | |
| <i>Missing parts:</i> | | | | |
| <i>Urgency: (check one)</i> | | <i>Cost limitations:</i> | | |
| Rush, full O.T. | | Contact with price before work | | |
| Rush, limited O.T. | | Go ahead, advise price | | |
| ASAP, no O.T. | | Other | | |
| Routine (specify time) | | | | |
| Hold parts if required | | | | |
| <i>Special instructions</i> | | | | |
| | | | | |
| <i>Contact:</i> | | | <i>Phone:</i> | |
| <i>Reference:</i> | | | | |

B180244GWT Electric Motor Repair & Replacement Services

**EXHIBIT A
SCOPE OF SERVICES**



Procurement Management Department
1500 Monroe Street 4th Floor
Fort Myers, FL 33901
Main Line: (239) 533-8881
Fax Line: (239) 485-8383
www.leegov.com/procurement

Posted Date: June 12, 2018

Solicitation No.: B180244GWT

Solicitation Name: Annual Electric Motor Repair and Replacement Services

Subject: Addendum Number 1

The following represents clarification, additions, deletions, and/or modifications to the above referenced bid. This addendum shall hereafter be regarded as part of the solicitation. Items not referenced herein remain unchanged, including the response date. Words, phrases or sentences with a strikethrough represent deletions to the original solicitation. Underlined words and bolded, phrases or sentences represent additions to the original solicitation.

- 1. Bid Opening Date Change** **From: June 18, 2018 at 2:30 P.M.**
To: June 20, 2018 at 2:30 P.M.

2. Questions

| | |
|--------|---|
| 1. | What is the estimated annual budget? |
| Answer | Please see section 13 Confidentiality, sub section 13.3 in the solicitation in regards to the County's policy in providing the estimated annual budget. |
| 2. | Are you going to require the secondary vendor to always keep a stock of motors? |
| Answer | No. |
| 3. | Will vendors have provide the same exact IRD data pack 15 or can they provide and equivalent? |
| Answer | The vendor can provide an equivalent as long as the equivalent meets the requirements and standards of an IRD data pack 15. |
| 4. | May I see the previous bid tabulation? |
| Answer | Yes. The previous bid tabulation is on the Lee County website under the procurement department's annual bids. Under annual bids, there is a project labeled B-130513- Electric Motor Repair and Replacement Services and inside that project, you will see the previous bid tabulation. |
| 5. | Are the previous year's invoices available? |

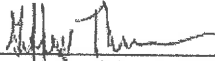
**EXHIBIT A
SCOPE OF SERVICES**

| | |
|---------------|--|
| Answer | Visit the Lee County Website main page and select the Public Records Request Tab. The Public Records Request Tab will give you the information needed to request the previous year's invoices. |
| 6. | What are the exact size fractional motors you are requesting? |
| Answer | ¼ HP to 500 HP. |
| 7. | Are these fractional motors all 460-volts? Some Fractional motors are not rated 460-volts. TEFC. |
| Answer | No. |
| 8. | Are all the motors three phase? Small fractional motors are single phase only. |
| Answer | No. |
| 9. | Are all the motors T-frame motors? Fractional motors are not rated as T-frame motors. |
| Answer | No. |
| 10. | Are all motors horizontal motors? |
| Answer | No. |
| 11. | You mention all the motors must be high efficiency motors. Can you provide what the minimum efficiency rating that each motor needs to be? |
| Answer | Motors are to be VFD rated inverter duty. |
| 12. | Can the primary vendor utilize their manufacturer's warehouse in Tampa to stock all these motors and more? Why does a motor shop have to have these motors sitting in inventory when they are all stocked in Tampa with 24/7 access. |
| Answer | No, common usage motors must be stocked by the vendor; however, proprietary motors do not need to be stocked and can be stocked at the manufacturer's warehouse. |
| 13. | How will Lee County be awarding the contract? |
| Answer | Lee County will be awarding to a Primary and Secondary vendor. |

BIDDER/PROPOSER IS ADVISED, YOU ARE REQUIRED TO ACKNOWLEDGE RECEIPT OF THIS ADDENDUM WHEN SUBMITTING A BID/PROPOSAL. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY RESULT IN THE BIDDER/PROPOSER BEING CONSIDERED NON-RESPONSIVE.

**EXHIBIT A
SCOPE OF SERVICES**

**ALL OTHER TERMS AND CONDITIONS OF THE SOLICITATION DOCUMENTS ARE
AND SHALL REMAIN THE SAME.**



Procurement Analyst
Lee County Procurement Management

**EXHIBIT B
FEE SCHEDULE**

| Hourly Rates - Personnel Type - One (1) Hour Response Time | |
|--|------------------------------|
| Classification | Hourly Rate |
| Inhouse Shop Technicians | \$30.00/hr. |
| Machinists, Lathe Operators | \$28.00/hr. |
| Field Service Technicians | \$10.00/hr. |
| Welder | \$10.00/hr. |
| Hourly Rates - Equipment and Crew Type - One (1) Hour Response Time | |
| Item/Classification | Hourly Rate |
| Crane - 20 Ton with 75-Foot Reach | \$85.00/hr. |
| Two Man Crane Crew | \$40.00/hr. |
| Markups | |
| Repair Components | 12% Markup |
| New Equipment | 10% Markup |
| Miscellaneous Items: e.g. Overnight Freight on Special Parts, Consumables, etc. | Cost Plus a 0% Markup |
| Overtime Hourly Rates - Personnel Type | |
| Classification | Hourly Rate |
| Inhouse Shop Technicians | \$45.00/hr. |
| Machinists, Lathe Operators | \$40.00/hr. |
| Field Service Technicians | \$15.00/hr. |
| Welder | \$15.00/hr. |
| Overtime Hourly Rates - Equipment and Crew Type | |
| Item/Classification | Hourly Rate |
| Crane - 20 Ton with 75-Foot Reach | \$85.00/hr. |
| Two Man Crane Crew | \$60.00/hr. |
| Hourly Rate for Specialty Service Classification | |
| Classification | Hourly Rate |
| Laser Alignment, Vibration Analysis or Other Similar Specialty Services | \$150.00/hr. |

EXHIBIT C INSURANCE REQUIREMENTS



Lee County Insurance Requirements

INSURANCE GUIDE

Minimum Insurance Requirements: *Risk Management in no way represents that the insurance required is sufficient or adequate to protect the vendors' interest or liabilities. The following are the required minimums the vendor must maintain throughout the duration of this contract. The County reserves the right to request additional documentation regarding insurance provided*

- a. **Commercial General Liability** - Coverage shall apply to premises and/or operations, products and completed operations, independent contractors, contractual liability exposures with minimum limits of:

\$1,000,000 per occurrence
\$2,000,000 general aggregate
\$1,000,000 products and completed operations
\$1,000,000 personal and advertising injury

- b. **Business Auto Liability** - The following Automobile Liability will be required and coverage shall apply to all owned, hired and non-owned vehicles use with minimum limits of:

\$1,000,000 combined single limit (CSL)
\$500,000 bodily injury per person
\$1,000,000 bodily injury per accident
\$500,000 property damage per accident

- c. **Workers' Compensation** - Statutory benefits as defined by FS 440 encompassing all operations contemplated by this contract or agreement to apply to all owners, officers, and employees regardless of the number of employees. Workers Compensation exemptions may be accepted with written proof of the State of Florida's approval of such exemption. Employers' liability will have minimum limits of:

\$500,000 per accident
\$500,000 disease limit
\$500,000 disease - policy limit

"The required minimum limit of liability shown in a. and b. may be provided in the form of "Excess Insurance" or "Commercial Umbrella Policies." In which case, a "Following Form Endorsement" will be required on the "Excess Insurance Policy" or "Commercial Umbrella Policy."

EXHIBIT C INSURANCE REQUIREMENTS

Verification of Coverage:

1. Coverage shall be in place prior to the commencement of any work and throughout the duration of the contract. A certificate of insurance will be provided to the Risk Manager for review and approval. The certificate shall provide for the following:

a. The certificate holder shall read as follows:

Lee County Board of County Commissioners
P.O. Box 398
Fort Myers, Florida 33902

b. *“Lee County, a political subdivision and Charter County of the State of Florida, its agents, employees, and public officials”* will be named as an “Additional Insured” on the General Liability policy, including Products and Completed Operations coverage.

Special Requirements:

1. An appropriate “Indemnification” clause shall be made a provision of the contract.
2. It is the responsibility of the general contractor to insure that all subcontractors comply with all insurance requirements.

End of Insurance Guide Section

B180244GWT Electric Motor Repair & Replacement Services

BOARD AGENDA ITEM SUMMARY

6c

MEETING DATE REQUESTED: August 4, 2022

SUBJECT: RFB 2022-131 Supply of Liquid Chlorine

CATEGORY: Consent

Discussion

Action

CONTACT PERSON: **Lisa Hawkins/Bee Wheaton**

DEPT.: **Admin**

ITEM: **RFB 2022-131 Supply of Liquid Chlorine Contract Award**

PURPOSE / JUSTIFICATION: **The sealed bid procurement process was followed with response from only one bidder; Brenntag Mid-South, Inc. The only other supplier in the area, Allied Universal Corporation submitted a no-bid statement due to lack of product. This is for a 6-month fixed pricing contract from October 1, 2022 to March 31, 2023 at \$2,263/ton of liquid chlorine. Funding pending FY2023 budget approval.**

FISCAL IMPACT: N/A

Budget Resolution Required: yes no

MOTION: **To approve the award for RFB 2022-131 Supply of Liquid Chlorine to Brenntag Mid-South, Inc.**

Prepared By: **Teresa Herzog**

Date: **July 22, 2022**

Approvals:




Administrator



Finance

Technical Support



Water Operations

Wastewater Operations

ACTION TAKEN BY BOARD: Denied Approved / Resolution No: _____

ATTACHMENTS: **Bid Tabulation and Notice of Intent to Award Letter**



ENGLEWOOD WATER DISTRICT BID OPENING

July 21, 2022 @ 2:30 p.m.

**Initial Bid Tabulation
RFB 2022-131 Supply of Liquid Chlorine**

| VENDOR | DATE & TIME RECEIVED | 1 YEAR FIXED UNIT PRICE (\$)/TON CYLINDER | 6 MO. FIXED UNIT PRICE (\$)/TON CYLINDER | 4 MO. FIXED UNIT PRICE (\$)/TON CYLINDER |
|--------------------------|--------------------------|--|---|---|
| Univar Solutions | NO BID | | | |
| Allied Universal Corp. | NO BID | | | |
| Brenntag Mid South, Inc. | July 21, 2022 @ 12:39 PM | NO BID | 2,263.00 | 1,963.00 |



NOTICE OF INTENT TO AWARD

DATE: July 22, 2022
SOLICITATION ID: RFB 2022-131
DESCRIPTION: Supply of Liquid Chlorine

Staff recommends that the District's Board of Supervisors award RFB 2022-131 Supply of Liquid Chlorine at \$2,263.00 per ton, to **Brenntag Mid-South** as the Bidder meeting the overall specifications of the District.

Final award is subject to review, for compliance with purchasing procedures, funding availability, insurance coverage, and approval of the Board of Supervisors at the next scheduled Board meeting on **August 4, 2022**.

Bee Ling Wheaton
Purchasing Manager
Englewood Water District

BOARD AGENDA ITEM SUMMARY

6d

MEETING DATE: **August 4, 2022**

SUBJECT: **V-1 Vacuum Station Rehab AirVac Materials Direct Purchase**

CATEGORY: Consent

Discussion

Action

CONTACT PERSON: **Ray Burroughs**

DEPT: **Technical Support**

ITEM: **V-1 Vacuum Station Rehab AirVac Materials Direct Purchase**

PURPOSE / JUSTIFICATION: **As part of the V-1 rehab project, the V-1 station will be updated with all new equipment inside. Staff has received the Scope of Supply and Pricing Proposal from AirVac for the direct purchase of materials for the rehab of the V-1 Vacuum Station. This scope of supply is only for the equipment inside the vacuum station and does not include the temporary system. The scope includes a new collection tank and associated piping, a new sewage pump skid with two vertical mounted sewage pumps, a vacuum pump skid with vacuum pumps and a new pump control panel with VFD's for all of the pumps. The proposal also includes an optional platform. While it would be nice to have, staff believes it would be best to use that money elsewhere. Current lead times for this equipment package is 40-44 weeks.**

FISCAL IMPACT:

Budget Resolution Required: yes no

Funds in Account: 625651-600-250 (CIP – V-1 Station Rehab)

| | | |
|---------------------------|----|---------------------|
| Amount Budgeted | \$ | 2,050,000.00 |
| Year to Date Expenditures | \$ | (25,290.00) |
| Open Purchase Orders | \$ | (210,895.00) |
| Expenditure Required | \$ | (600,000.00) |
| Remaining in Budget | \$ | <u>1,213,815.00</u> |

MOTION: **To authorize the Administrator to sign a purchase order for the V-1 Station Rehab AirVac materials direct purchase in the amount of \$600,000.00. Funds to come from the CIP Budget.**


Prepared By: **Teresa Herzog**

Date: **July 22, 2022**

Approvals:



Administrator



Finance

Technical Support



Water Operations

Wastewater Operations

ACTION TAKEN BY BOARD: Denied Approved / Resolution No: _____

ATTACHMENTS: **Pricing Cover Letter and Scope of Supply**



Airvac

Discover Better.

PROJECT PROPOSAL

V1 Vacuum Station Rehab – Englewood, FL

PREPARED FOR:

Keith R. Ledford, JR., P.E.
Technical Support Manager

Englewood Water District

201 Selma Avenue

Englewood, FL 34223



PRICING

Airvac is pleased to offer the following products for the above referenced project.

Our scope letter describing these products was provided on July 12th and is part of this offer.

Prices for these products are as follows:

| Description | Qty | Unit Price | Total Price |
|----------------------------------|-----|------------------------|---------------------|
| Vacuum Station Equipment Package | 1 | \$600,000 LS | \$600,000 |
| Optional Platform | 1 | \$23,000 LS | \$23,000 |
| Total | | | \$623,000 |

TERMS AND CONDITIONS and other important information

Airvac Terms and Conditions and other important information regarding shipments, warranty, submittal drawings, lead times, etc. are contained in the Scope of Supply document.

The above pricing is valid if the following conditions are met:

- A purchase order is received no later than October 3, 2022
AND
- The equipment is released into production no later than by November 3, 2022.

Any orders/shipments of equipment after these dates will be at the price in effect at the time of the order/shipment.

AIRVAC EXPERIENCE / QUALITY ASSURANCE

Airvac has been providing vacuum system product and equipment as well as technical assistance since 1972. There are approximately 330 Airvac vacuum systems in operation in the U.S. Additionally there are 650+ Airvac systems in operation in 35 foreign countries, bring the total number of Airvac vacuum systems to nearly 1000 worldwide.

Airvac has years of experience in the manufacture of vacuum systems, at least ten (10) US installations where the system has at least 150 vacuum valves and has been in operation for at least 5 years. We have 45 years of experience in the manufacture of vacuum systems and approximately 150 systems that meet the 150 valve/5 year requirement.



Airvac

CONTACT

If you have any questions regarding this offer, please feel free to call me at 574-223-3980, EXT 3861.
Our Regional Manager, Mr. Dave Elias can be reached at 813-245-0488.

Ron White
Project Manager

Justin Zimmer, P.E.
Project Engineering Manager

cc: Dave Elias
Clint Hawn
Jerry Gala



Airvac

Discover Better.

SCOPE OF SUPPLY

V1 STATION REHAB – ENGLEWOOD, FL



Airvac

Airvac's scope of supply includes the following items which are described in detail in this document.

Equipment Package for Vacuum Station

Collection Tank

- One (1) - 4,500 gallon, 6'-6" diameter, fiberglass tank. The vacuum collection tank will have all nozzles and openings as shown on the drawings.
- Two (2) - 8" flanged cast iron eccentric plug valves with gear operators, chain-wheel and 9 ft of chain. Shipped loose. *Contractor responsible for installation on the collection tank nozzle and then to the 8" incoming vacuum mains.*
- Two (2) - 10" flanged cast iron eccentric plug valves with gear operators, chain-wheel and 9 ft of chain. Shipped loose. *Contractor responsible for installation on the collection tank nozzle and then to the 10" incoming vacuum mains.*
- One (1) - 4" flanged cast iron eccentric plug valve with gear operator, chain-wheel and 9 ft of chain. Shipped loose. *Contractor responsible for installation on the emergency vacuum connection on top of the tank. All related pipe and supports shall be by the contractor.*
- One (1) - 4" flanged cast iron eccentric plug valve with 2" square nut for collection tank drain line mounted on the side of the collection tank at the bottom.
- One (1) - 8" butterfly valve, cast iron body, stainless steel stem, stainless steel disc and electric actuator with spring return upon power failure, factory installed on top of the collection tank. Wiring for the electric actuator motor shall terminate at the junction box mounted on the tank. *The contractor will furnish and install wire from the junction box to the Pump Control Panel on the upper level.*
- Six (6) - 4 1/2" diameter 0-30" hg vacuum gauges fitted with stainless steel bourdon tube and socket, phenolic case, 1/2" lower connection. Four (4) gauges will be installed on the gauge panel, One (1) gauge will be mounted on the tank. The sixth is a spare for the owner. 3/8" tubing will be supplied by AIRVAC for final installation by the contractor. *This tubing will need to connect the gauge on the panel to a 3/8" barb installed by the contractor on the vacuum main, downstream of the isolation valve mounted on the collection tank nozzle. The Contractor is responsible to mount the gauge panel as shown on the plan drawings.*
- As Required - 1/2" stainless steel lever operated ball valves to be used as gauge cocks in factory supplied piping.
- As Required - 1" PVC ball valves factory installed on air admission nozzles and drain lines.
- One (1) - Clear PVC sight glass complete with fittings, factory installed on the collection tank.



Airvac

Equipment Package for Vacuum Station

Collection Tank

- The collection tank package includes a continuous level measurement device. Radar type. Airvac will wire the device to the junction box on the collection tank. *The Contractor will furnish and install the conduit and wire from the junction box to the Pump Control Panel on the upper level.*
- One (1) - back up float ball for emergency high level lockout condition. Installed in the tank at the factory. Airvac will wire the device to the junction box on the collection tank. *The Contractor will furnish and install the conduit and wire from the junction box to the Pump Control Panel on the upper level.*
- One (1) - 4/20 ma vacuum transmitter factory installed on the collection tank. AIRVAC will wire the transmitter to the junction box on the tank. *The contractor is responsible to provide conduit and wire from this junction box the Pump Control Panel on the upper level.*

Sewage Pump skid

- One (1) - 4'- 0" x 7'- 8", painted carbon steel deck assembly.
- Two (2) - 600 GPM, @ 125' TDH, Cornell vertical frame mounted sewage pumps, 40 HP, 480V inverter duty rated TEFC motor. AIRVAC will wire the motors to local disconnect switches in a junction box on the skid. *The contractor will furnish the wire and conduit from this junction box to the Pump Control Panel on the upper level.*
- Airvac will provide all piping between the collection tank and the inlet side of the sewage pumps. Airvac will also provide the piping on the discharge side of the sewage pumps through to the flow meter in the common force main. *The contractor is responsible for providing the piping beyond the limit of the Airvac supply. Some disassembly may be required for shipment. The contractor will be responsible for re-assembly in the field where required.*
- Two (2) - 8" flanged cast iron plug valves with gear operators and hand wheels factory installed in the sewage pump inlet piping.
- Two (2) - 6" vibration isolators factory installed on the sewage pump inlet piping
- Two (2) - 6" flanged cast iron plug valves with gear operators and hand wheels factory installed in the sewage pump discharge piping.
- Two (2) - 6" flanged cast iron check valves with a soft rubber seat, external lever/weight factory installed in the sewage pump discharge piping.
- One (1) - 6" flanged cast iron check valve with a soft rubber seat, external lever/weight factory installed in the common force main discharge piping.



Equipment Package for Vacuum Station

Sewage Pump skid

- One (1) - 6" flanged cast iron plug valve with gear operator, chain-wheel and 9' of chain factory installed in the common force main discharge piping.
- One (1) - 6" Flow Meter with 6" spool pieces each side of the flow meter. Shipped loose. *Contractor is responsible to install the Flow Meter. The contractor is responsible to furnish and install the conduit and wire to the Pump Control Panel on the upper level.*
- One (1) - 4/20 ma gauge pressure transmitter to monitor force main pressure. Airvac will provide the pipe saddle, 1" pipe nipples and 1" PVC isolation valve (shipped loose). *The contractor is responsible to mount the pressure transmitter to the force main and to furnish and install the wiring between the transmitter and the Pump Control Panel on the upper level.*
- Two (2) - Clear 1" PVC equalizing lines. These will be removed for shipping. *The Contractor is responsible to reinstall these.*
- As Required - 1" PVC ball valves factory installed on equalizing lines and drain lines

Vacuum Pump Skid

- One (1) - 7'- 6" x 18'- 6" painted carbon steel deck assembly.
- Five (5) - Vacuum pumps, Busch 970000004 as modified for Airvac Inc. The pumps shall be a non-contacting claw vacuum pumps and have a nominal pumping speed of 3600 RPM and produce 353 ACFM. Pumps to be Aqua coated on internal parts, complete with 15 HP motors and moister separators. AIRVAC will wire the motors to local junction box on the skid. *The contractor is responsible to furnish and install the conduit and wire to the Pump Control Panel.*
- Five (5) - 3" butterfly valves, cast iron body, stainless steel stem, Stainless Steel disc, complete with levers factory installed on the vacuum pump inlet piping.
- Five (5) - 3" flanged cast iron check valves fitted with 20 durometer rubber flappers; factory installed on the vacuum pump inlet piping.
- Five (5) - 2" in-line 316 SS check valves, factory installed in the vacuum pump exhaust piping.
- Each vacuum pump will be terminated at the vacuum pump exhaust at the end of the 2" in-line check valve. *The contractor will furnish the balance of the piping from the check valve to the exterior of the building as shown on the plan drawings.*



Equipment Package for Vacuum Station

Vacuum Pump Skid

- We are building a common 6" 304 SS exhaust pipe that is to be installed underneath the mezzanine. This will be built during assembly of our vacuum pump skid so that attaching the associated pipes can be done in the field without issue. It will be shipped in (4) four 10 feet long pieces just a few weeks prior to completion of skid assembly. There will be (5) 2" 304SS riser pipes needed to connect our vacuum pump exhaust to this header. The contractor will need to provide these pipes.
- The inlet piping for the vacuum pumps will be provided and combined into a common 8 inch, Sch 80 PVC manifold. The Airvac supply will terminate at the tee on the manifold. *The Contractor will furnish and install the Sch 80 PVC pipe and fittings between the header to the collection tank. The contractor is to furnish and install all pipe hangers.*
- One (1) manual 4" PVC vacuum pump condensate assembly. All vacuum pump exhaust drainage and moister separator drainage will be connected to this assembly. *The Contractor is responsible to furnish the 1" PVC SCH 80 material and to connect the 1" drain line from the collection assembly to the collection tank in the basement.*

Pump Control Panel

- One (1) - Complete NEMA 12 Enclosure with floor stand. (VCP) Controls will use PLC logic, a 6" Panel view screen will be included, with VFD's for the vacuum pump and VFD's for sewage pump motors. This enclosure will include a side disconnect switch - 250 AMP - sized for (5) -15 HP and (2) - 40 HP motors. Airvac will program the PLC. The VFD's will be controlled by the flow meter.
- *The contractor is required to furnish all associated conduit and wire from the main power distribution panel to the Pump Control Panel. Contractor also to furnish and install all alarm wiring between the Pump Control Panel and the SCADA system (provided by others). He shall connect the generator to the control panel where required. The contractor shall furnish and install all conduit and wire as needed between the junction boxes (JB1, JB2, JB3), the flow meter, the pressure transmitter on the force main, the vacuum transmitter on the collection tank, the level control radar, the float ball and the electric butterfly valve on the collection tank to the Pump Control Panel.*

Airvac Interface valve – vacuum station sump

- One (1) - 2" bolted ball valve to isolate interface valve. Mounted on the collection tank.
- One (1) - AIRVAC 2" 'D' model valve, tubing, 2" AIRVAC check valve, sensor cap and 2- 2" no-hub couplings for use with the station sump. Shipped loose for installation by the contractor. *The contractor is responsible to furnish and install the associated pipe and hanging brackets for field assembly to the collection tank.*



Equipment Package for Vacuum Station

General notes

- Warranty on equipment shall be per Airvac Inc. standard warranty document.
- Airvac will perform factory testing and provide the test results.
- Operation and Maintenance manuals (2) two hard copies in binders and (3) three electronic copies in PDF format will be provided (4) four weeks after station start-up.
- Airvac will provide services as follows:
 - One Week of on-site start up and adjustments.
- Airvac will provide the following spare parts:
 - Vacuum Pumps: No spare parts are needed with the Mink pumps.
 - Sewage Pumps: (1) motor/pump coupling, (1) mechanical seal, (1) gasket set.
 - Pump Control Panel: (1) selector switch.
 - 0-30" Vacuum Gauge: (1)
- The vacuum pumps and the sewage pumps will be mounted to skids. This skid will be painted with Rust-Oleum, Epoxy Finish. (#9186 Navy Gray). The Vacuum pumps and Sewage pumps will not be painted. They will be provided as per the pump manufacturer's standard paint.
- The collection tank will not be painted. A translucent protective coating with ultraviolet inhibitors will be applied by the tank manufacturer.
- All pipe, fittings and valves will be painted (#9186 Navy Gray). Stainless steel items will not be painted.
- Airvac will provide Sch 80 PVC pipe and fittings on the vacuum header and cement lined ductile iron pipe and fittings on the sewage pump force main piping (to the limit of our supply).
- Airvac will provide 304 SS pipe and fittings from the vacuum pump header to the inlet of the vacuum pumps and through to the exhaust side of the vacuum pumps (to the limit of our supply).
- Airvac will provide all nuts, bolts and washers made from zinc coated carbon steel.



Equipment Package for Vacuum Station

Additional Work by Contractor not previously described

Collection tank

- Set the Collection Tank into the building.
- Furnish and install all anchor bolts where required.
- Furnish and install the piping beyond the limit of Airvac's supply from the isolation valves for the incoming vacuum line and tank drain to the exterior of the building.
- Furnish and install the 8" Sch 80 PVC header piping from the top of the collection tank to the vacuum pump header on the vacuum pump skid. The contractor is responsible for all pipe hangers/supports.

Sewage Pump skid

- Set the Sewage Pump Skid into the building.
- Furnish and install all anchor bolts where required.

Vacuum Pump skid

- Set the Vacuum Pump skid into the building.
- Furnish and install all anchor bolts when required.

Pump Control Panel

- Set the Pump Control Panel into the building.
- Furnish and install all anchor bolts when required.
- Furnish and install the electrical wire and conduit between the power distribution panel and the Pump Control Panel.
- Furnish and install wire and conduit from the Pump Control Panel to the junction boxes.
- Connect the transfer switch to our Control Panel where required.
- Connect SCADA equipment to our Control Panel where required.
- Airvac will coordinate with the contractor's "I&C" Contractor.



Airvac

Equipment Package for Vacuum Station

Additional Work by Contractor not previously described

Miscellaneous

- Provide touch up painting as needed. (Touch up paint will be provided by Airvac)
- Install the 2" station sump valve as indicated on the plan drawings.

OPTIONAL – PLATFORM

- We can provide a platform mounted to the top of the collection tank.
- Please include this with your purchase order if wanted.

SUBMITTAL DRAWINGS & LEAD TIMES – ALL AIRVAC SUPPLY

- Anticipated submittal drawing lead time Station and building structure – (4-5) weeks after receipt of purchase order.
- Anticipated Station equipment package and building structure lead time: (36-38) weeks from time of shop drawing approval.
- Submittals must be approved and returned prior to release of equipment into production with vendors.

DELIVERY

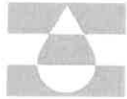
The Contactor is responsible for all labor and equipment to offload all materials at the job-site.

The following product shipments are anticipated:

- (1) Shipment of station equipment package. Shipped from the Airvac factory in Indiana.

Note that the above shipments are based on "full-load quantities" and that Airvac product pricing was a based on this. The cost for additional shipments that result from a request to ship less than full loads quantities will be the responsibility of the contractor.

Trailer demurrage charges assessed by the carrier because of delays in unloading the trailer will be the responsibility of the contractor. Estimated time to unload is 4 hours.



Airvac

TERMS AND CONDITIONS

Payment terms and conditions form part of this offer and are attached. Any order submitted pursuant to this quotation will not result in a contract until it is accepted and acknowledged in writing by Airvac Inc.

Airvac Inc. standard Terms and Conditions apply (100% of the invoiced amount, net 30 days from date of shipment; no retainage allowed). Additional provisions follow:

- Our price for the equipment package is C.I.P. Factory, Freight and Insurance prepaid.
- Any damage must be noted on the Bill of Lading upon receipt of goods.
- Any special shipping arrangements will require additional freight cost.
- We have not included any type of sales tax.
- Any deletion of items listed will increase the price of the balance of our package.
- A 20% restocking fee will be charged for any item returned.
- The purchaser is responsible for all freight charges for items being returned.

TO ESTABLISH AND OPEN ACCOUNT

Airvac Inc. will require, as a minimum, the following information to enable us to review your credit history and decide if an open account will be granted:

- Credit references.
- Banking information.
- Signed copy of the payment bond.
- Terms and Conditions form signed and returned.

WARRANTY

- Warranty on the equipment provided for the station shall be 1 year after Start-up on site.
- Warranty on equipment provided for the station shall not exceed 18 months from the date of shipment.

PATENTS

As a matter of importance, Airvac Inc. uses a two-phase, plug-less vacuum sewerage transport system and certain of its components are protected by United States patents. The patented system and components may not be used or sold without authorization by Airvac Inc. Purchase of an equipment package from Airvac Inc. and use according to the Airvac specifications is an authorized use.

EXCEPTIONS / CLARIFICATION TO THE CONTRACT DOCUMENTS

- No exceptions are being taken at this time.



Airvac

O & M MANUALS

Station - Operation and Maintenance manuals (2) two hard copies in binders and (3) three electronic copies in PDF format will be provided (4) four weeks after station start-up.

BOARD AGENDA ITEM SUMMARY 6e

MEETING DATE: **August 4, 2022**

SUBJECT: **Warehouse Inventory of Water Meters**

CATEGORY: Consent Discussion Action

CONTACT PERSON: **Dewey Futch**

DEPT: **Water Operations Manager**

ITEM: **Purchase of additional water meters**

PURPOSE / JUSTIFICATION: **To seek Board approval for the purchase of Neptune water meters and parts to increase inventory. The purchased amount will exceed the Administrator's authority of \$25,000.**

FISCAL IMPACT:

Increase inventory account 141001-100-101

Budget Resolution Required: No

Expenditure Required: **\$71,669.41**

MOTION: **To authorize the purchase of additional Neptune water meters and parts up to \$71,669.41 for the remainder of FY 2022 through sole source procurement with Ferguson Waterworks. The vendor is the sole authorized distributor of Neptune meter and parts in Florida. Funds to come from water revenue.**

Prepared By: **Teresa Herzog**

Date: **July 28, 2022**

Approvals:



Administrator



Finance

Technical Support



Water Operations

Wastewater Operations

ACTION TAKEN BY BOARD: Denied Approved / Resolution No: _____

Attachments : **Neptune Quotes**
Sole Source Procurement Letter



FEL-TAMPA, FL WATERWORKS #044
 8008 E. SLIGH AVE.
 TAMPA, FL 33610-0000

Phone: 813-627-1240
 Fax: 813-627-1299

| |
|---|
| Deliver To: From: Tyler Stargel Comments: |
|---|

16:02:20 JUL 22 2022

Page 1 of 1

FEL-TAMPA, FL WATERWORKS #044
 Price Quotation
 Phone: 813-627-1240
 Fax: 813-627-1299

Bid No: B512295
Bid Date: 07/22/22
Quoted By: TDS

Cust Phone: 941-460-1014
Terms: NET 30 DAYS

Customer: ENGLEWOOD WATER DISTRICT
 201 SELMA AVENUE
 ENGLEWOOD, FL 34223

Ship To: ENGLEWOOD WATER DISTRICT
 201 SELMA AVENUE
 ENGLEWOOD, FL 34223

Cust PO#:

Job Name: 7.22 RFQ

| Item | Description | Quantity | Net Price | UM | Total |
|-------------------|-----------------------------------|----------|-----------|----|------------|
| NRW2G13 | REG 5/8 T10 V4 R900I USG PIT | 120 | 180.500 | EA | 21660.00 |
| NED2H11RWG3 | LF 1-1/2 T10 MTR V4 R900I USG PIT | 4 | 686.670 | EA | 2746.68 |
| Net Total: | | | | | \$24406.68 |
| Tax: | | | | | \$0.00 |
| Freight: | | | | | \$0.00 |
| Total: | | | | | \$24406.68 |

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

CONTACT YOUR SALES REPRESENTATIVE IMMEDIATELY FOR ASSISTANCE WITH DBE/MBE/WBE/SMALL BUSINESS REQUIREMENTS.

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at <https://www.ferguson.com/content/website-info/terms-of-sale>
 Govt Buyers: All items are open market unless noted otherwise.

LEAD LAW WARNING: It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with *NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.
 COVID-19 ORDER: ANY REFERENCE TO OR INCORPORATION OF EXECUTIVE ORDER 14042 AND/OR THE EO-IMPLEMENTING FEDERAL CLAUSES (FAR 52.223-99 AND/OR DFARS 252.223-7999) IS EXPRESSLY REJECTED BY SELLER AND SHALL NOT APPLY AS SELLER IS A MATERIALS SUPPLIER AND THEREFORE EXEMPT UNDER THE EXECUTIVE ORDER.



HOW ARE WE DOING? WE WANT YOUR FEEDBACK!

Scan the QR code or use the link below to complete a survey about your bids:

<https://survey.medallia.com/?bidsorder&fc=44&on=62668>



FEL-TAMPA, FL WATERWORKS #044
 8008 E. SLIGH AVE.
 TAMPA, FL 33610-0000

Phone: 813-627-1240
 Fax: 813-627-1299

| |
|----------------------------|
| Deliver To: |
| From: Tyler Stargel |
| Comments: |

10:32:37 JUL 28 2022

FEL-TAMPA, FL WATERWORKS #044
 Price Quotation
 Phone: 813-627-1240
 Fax: 813-627-1299

Bid No: B512671
Bid Date: 07/28/22
Quoted By: TDS

Cust Phone: 941-460-1014
Terms: NET 30 DAYS

Customer: ENGLEWOOD WATER DISTRICT
 201 SELMA AVENUE
 ENGLEWOOD, FL 34223

Ship To: ENGLEWOOD WATER DISTRICT
 201 SELMA AVENUE
 ENGLEWOOD, FL 34223

Cust PO#:

Job Name: 7.28 RFQ

| Item | Description | Quantity | Net Price | UM | Total |
|-------------------|------------------------------------|----------|-----------|----|------------|
| NED2B31RWG3 | 5/8X3/4 T10 MTR R900I USG PLAS PIT | 96 | 228.570 | EA | 21942.72 |
| NED2H11RWG3 | LF 1-1/2 T10 MTR V4 R900I USG PIT | 3 | 686.670 | EA | 2060.01 |
| N12527000 | R900 F/ V3/V2 ANTENNA ASSY COMP | 50 | 32.000 | EA | 1600.00 |
| Net Total: | | | | | \$25602.73 |
| Tax: | | | | | \$0.00 |
| Freight: | | | | | \$0.00 |
| Total: | | | | | \$25602.73 |

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

CONTACT YOUR SALES REPRESENTATIVE IMMEDIATELY FOR ASSISTANCE WITH DBE/MBE/WBE/SMALL BUSINESS REQUIREMENTS.

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at <https://www.ferguson.com/content/website-info/terms-of-sale>
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<https://survey.medallia.com/?bidsorder&fc=44&on=62668>

| ITEM | QTY | UNIT PRICE (\$) | EXTENDED PRICE (\$) | EWD PART |
|---|-----|-----------------|---------------------|----------|
| RW2G13 5/8" R900i V4 Pit Gallon Register | 120 | 180.50 | 21660.00 | MT37 |
| 1 -1/2" Ecoder Meter (ED2H11RWG3) | 7 | 686.67 | 4806.69 | MT24 |
| 5/8" Neptune T-10 PLS 302 E-Coder (ED2B31RWG3SG100) Meter | 96 | 228.57 | 21942.72 | MT21 |
| ANTENNA ASS F/R900 V2 & V3 W/24" WIRE | 50 | 32.00 | 1600.00 | MT52 |
| RW2G13 5/8" R900i V4 Pit Gallon Register (purchase anticipated in Sept, 2022) | 120 | 180.50 | 21660.00 | MT37 |
| AMOUNT TO BE APPROVED (\$) | | | 71669.41 | |



NEPTUNE
TECHNOLOGY GROUP

December 10, 2021

Bee Ling Wheaton
Purchasing Manager
Englewood Water District
201 Selma Ave
Englewood, FL 34223

Dear Bee Ling,

Please note that Ferguson Waterworks is the sole authorized Neptune Distributor with a resell supply agreement in the State of Florida.

The geographical area of responsibility assigned to them includes all Counties within the State of Florida.

Types: Classes of customers exclusively assigned are: Municipalities, private water companies, contractors, and plumbers.

Hence, our Distributor(s) are required to maintain a sufficient inventory of Neptune Water Metering Products, including parts, to provide customer field servicing.

Thank you in advance for your cooperation.

Sincerely,

Terry D. Gullett

Terry D. Gullett
Senior Territory Manager
Neptune Technology Group, Inc.

STATUS REPORT
For Board Meeting August 4, 2022

New Task Orders Assigned:

1. **Atkins-22-004** – Atkins will be replacing and relocating the staff gauges used to monitor wetlands required by EWD's Water Use Permit.

CIP/In-house Projects:

1. **South WRF Drying Bed** – The 90% plans have been received and was reviewed by staff. Kimley Horn will not proceed with finalizing the drawings in preparation for bidding.
2. **South WRF – New Headworks** – The 90% plans have been received and was reviewed by staff. Kimley Horn will not proceed with finalizing the drawings in preparation for bidding. The WRF Minor Revision Permit Application has been submitted to FDEP.
3. **V-1 Station Rehab** – GWE is working on the design for the project. We have received the proposal from AirVac for the Vacuum Station equipment which is being presented at the August Board meeting for approval. AirVac is still working on the proposal for the temporary system and staff hopes to bring that one to the September Board meeting for approval.
4. * **EBCO FM Replacement** – Staff still needs to grout the existing pipe and abandon it in place before the project is complete.
5. * **Elevated Tank Rehab** – Staff is working to finalize the bid package and plans to put this project out to bid.
6. * **LS #114 Improvements – Brook to Bay** – The plans and permit application has been submitted to FDEP for approval. The lift station equipment has been purchased from Flygt and the wet-well package should be delivered later this month. DeJonge Excavating plans to start the installation of the lift station and associated collection piping in August. Staff will perform the required electrical installation and other required work.
7. * **LS 121 Rehab** – The materials needed to plumb the bypass pump has been ordered and mostly received. Once the additional items are received, staff will install the required piping. Once installed and operating correctly, staff will begin the rehab work which will include, concrete repair inside the lift station, new liner from GML, new HDPE piping, and electrical modifications to allow for larger pumps to be installed as the flow increases.
8. * **North WRF Phase 1** – Staff met with Wellen Park and Kimley Horn on April 27, 2022, to further discuss the site for the North WRF. Wellen Park has agreed to begin drafting the agreement for the purchase of the land required for the new plant. They hope to have a draft agreement to us for review towards the end of May.
9. * **South WRF Generator Replacement** – Staff has reviewed and signed off on the generator submittal. Delivery should be approximately 26-30 weeks. The estimated delivery date is September 2022.
10. * **V-4 Generator Replacement** – A PO has been issued to Mid Florida Diesel on February 10, 2022, for the purchase of a new 200kW Blue Star Generator. The estimated delivery date is September 2022.
11. * **Vacuum Monitoring System (V-1)** – Legends continues to work on getting the remaining controllers installed and make improvements to the programming and battery source.

Developments/Projects:

1. **Beachwalk by Manasota Key Phase 1** – Phases 1A, 1B and 1E are completed. Phase 1C has been completed and FDEP application to place the system into service have been submitted. Testing on Phase 1D is scheduled to start within the next two weeks. Phase 1F will follow.

STATUS REPORT

2. **Beachwalk by Manasota Key Phase 3** – Kimley-Horn submitted plans for Phase 3 of the Beachwalk project. Staff is reviewing the plans.
3. **Englewood United Methodist Church – Helping Hands** – The start-up for the lift station took place on July 19, 2022.
4. **Park Forest Phase 7A** – Testing for Phase 7A has begun.
5. **River Road Storage** – Formally the location of MTI, the property located at 830 S. River Rd has been demolished in preparation of a new 100,000 sf storage facility. Campo Engineering, Inc. has submitted utility plans for the storage building which will include a new fire hydrant and fire line. Plans have been approved and awaiting a signed Developer's Agreement prior to signing the FDEP applications.
6. **Sarasota County Dearborn Improvements** – Construction continues. The new irrigation services were installed by Distribution this past month.
7. * **Beachwalk by Manasota Key Phase 1 Amenity Center** – Construction has begun on the Amenity Center and the required utility connections.
8. * **Beachwalk by Manasota Key Phase 2** – Phase 2A is under construction. Staff is still working with Kimley-Horn to finalize the plans for the offsite FM work which includes the relocation of Gran Paradiso's reuse meter. An upsizing agreement and reuse agreement will be needed prior to approving the plans.
9. * **Boca Royale 17** – Construction of the utilities is nearing completion. The required taps on the water and sewer mains were performed on November 18, 2021.
10. * **Boca Royale Unit 18** – Morris Engineering submitted plans for Unit 18 on July 5, 2022. Staff is currently reviewing.
11. * **Charlotte County – N. Beach Rd Sidewalk & Lighting** – Charlotte County is starting the process of hiring a consultant to begin the design of the sidewalk & lighting on N. Beach Rd starting at the north end of the beach parking lot to the Sarasota County Line. Construction is not anticipated until FY23.
12. * **Coco Bay (FKA Island Lake Estates)** – FDEP permits have been issued for both water and sewer. A pre-construction meeting was scheduled for Wednesday, June 8, 2022, with the developer, engineer, and contractor.
13. * **Englewood Multifamily** – A Neighborhood Workshop Meeting was held on May 26, 2022. Attempting to rezone property from Open Use Estate (OUE) to Residential Multi-Family (RMF-3). Proposing 252 apartment units with 1 bed, 2 bed, and 3-bedroom options.
14. * **Englewood Storage Facility (Phase 2)** – KG Engineering, LLC has submitted construction plans for Phase 2 of the Englewood Storage Facility at 540 N. Indiana Ave. The second building will be an additional 31,500 sf of conditioned storage. Comments have been returned with revised plans expected within a week. No FDEP permits or Developer's Agreement are needed as no additional services will be added.
15. * **Fairway Vistas at Myakka Pines** – Staff met with the developers of the Myakka Pine Golf Course to discuss future development plans for the property surrounding the golf course. Current plans include, 877 single/multi-family units, a fire station, three neighborhood amenity centers, and a commercial center.
16. * **FDOT – Charlotte County Line to Tangerine Woods** – Green line mark-ups have been provided to Element Engineering Group.
17. * **Frontier Communications** – Frontier notified staff that they will be installing fiber duct bank along FL-776 from Dearborn St. to Sunnybrook. They have requested our utility data so that they can incorporate it within their design.

STATUS REPORT

18. * **Gateway Court** – Cavoli Engineering resubmitted utility plans for the Gateway Court project, located south of the intersection of Old Englewood Rd and SR 776. Staff submitted additional comments on June 22, 2022.
19. * **Guardian Storage** – Formally known as Storage Depot 776, the property located at 351 N. Indiana Ave. is now under new ownership. DMK resubmitted utility plans for Guardian Storage. Staff has reviewed and provided a list of corrections needed to approve. Site has been cleared but does not have an FDEP permit yet for the required water main extension.
20. * **Lake Emily** – Banks Engineering submitted revised plans on June 23, 2022. Staff has reviewed and provided additional comments on July 7, 2022.
21. * **Medical Twins** – Heidt Design is working on plans for two parcels located on Medical Boulevard adjacent to the Hospital and the YMCA. Preliminary plans indicate there will be 148 single family dwellings, 150 paired villas, and amenity center.
22. * **Park Forest Phase 7B** – AM Engineering submitted plans for Phase 7B, Tract A. It will consist of 13 single family homes. Staff has reviewed the plans and has returned comments of requested changes.
23. * **Placida Storage** – The buildings have begun to be erected but the project now requires a fire line. Sitti Engineering has resubmitted plans for review. Staff provided comments on June 21, 2022.
24. * **San Casa Multi-Family** – The utilities have been installed and have passed pressure testing. The contractor is planning on performing the chlorination and bacteriological testing the week after Thanksgiving.
25. * **Sarasota County Manasota Beach Rd Intersection Improvements** – Kimley-Horn has been selected to design the Manasota Beach Road improvements which includes milling and resurfacing of the intersection of Manasota Beach Road and Englewood Road as well as the addition of a right turn lane for westbound traffic. Kimley-Horn has requested marked up plans showing the utilities in the area by March 18, 2022.
26. * **Sarasota County S. McCall Road Improvements** – EWD's draft Utility Work Schedule (UWS) was submitted to Kimley-Horn on April 20, 2022, for review. While there are quite a few items on the list, most of them will only require EWD to observe and protect our assets during the storm construction and boring of the lighting conduit. There will be a few pits and water services that may need to be replaced depending on the conflicts and final grade elevations.
27. * **Sure Safe Storage** – Construction has begun on the new 30,000 sf storage facility. The new building will require a new fire line.
28. * **Suncoast Humane Society** – Florida Engineering & Surveying, LLC has submitted utility plans for the new Humane Society that will be located on San Casa between Worth Ave and Avenues of Americas. Staff had a meeting on April 26, 2022, with the engineer to discuss the changes that need to be made.



Sanitary Sewer Utility Capacity Report

Please complete and return this form by the 5th of each month to:

Laura Tefft, Senior Planner, Community Development, 18400 Murdock Circle, Port Charlotte, FL 33948

Phone: 941.764.4934 Email: Laura.Tefft@charlottecountyfl.gov

| Utility Information | |
|---|---|
| Utility Name: Englewood Water District | Month/Year Reporting: June 2022 |
| Preparer's Name: Keith R. Ledford Jr., P.E. | Phone: 941-460-1020 |
| Utility Address: 201 Selma Avenue | Email: Kledford@ewdfl.com |
| City: Englewood, FL | Zip code: 34223 |

| Permit and Treatment Plant Information | |
|---|--|
| DEP Permit Number: FLA014126 | |
| Permitted Disposal Capacity (AADF): 3.0 MGD | |
| Plant Peak Design Capacity: 4.2 MGD | |

| Monthly Flow Data (For Reported Month Only) | |
|---|--|
| Month's Average Daily Flow: 1.503 MGD | |
| Month's Peak Daily Flow: 1.636 MGD | |

| Sanitary Sewer Connection Information (In ERCs) | | |
|---|------------|-------------|
| | ERCs (MGD) | Connections |
| Total ERCs Permitted: | 3.0 MGD | |
| Total ERCs Served: | 19,854 | 16,297 |
| Single Family: | 15,173 | 15,163 |
| Multi-Family: | 2,745 | 310 |
| Commercial: | 1,936 | 824 |
| Industrial: | | |
| Other: | | |
| Calculated Total Flows: | 1.5 | |
| Remaining ERCs Available: | 1.5 | |

| Bulk Sewer Purchase Agreement Information | |
|---|--------------------------|
| Utility Purchased From: | Englewood Water District |
| Utility Sold To: | Sandalhaven Utilities |
| Maximum Purchase Amount: | 300,000 GPD |
| Actual Purchased Amount: | 1,540,754 Gallons |

| Bulk Sewer Purchase Agreement Information | |
|---|---|
| Utility Purchased From: | Englewood Water District |
| Utility Sold To: | Charlotte County Utilities |
| Maximum Purchase Amount: | 100,000 GPD |
| Actual Purchased Amount: | 411,872 Gallons 12 Month Estimated Amount |

| Emergency Interconnect Information | |
|------------------------------------|-----|
| Interconnected Utility: | N/A |
| Amount Transferred: | |
| Reason for Emergency Transfer: | |



Sanitary Sewer Utility Capacity Report

Please complete and return this form by the 5th of each month to:

Laura Tefft, Senior Planner, Community Development, 18400 Murdock Circle, Port Charlotte, FL 33948

Phone: 941.764.4934 Email: Laura.Tefft@charlottecountyfl.gov

| Utility Information | |
|--|---|
| Utility Name: Englewood Water District | Month/Year Reporting: June 2022 |
| Preparer's Name: Keith R. Ledford Jr., P.E. | Phone: 941-460-1020 |
| Utility Address: 201 Selma Avenue | Email: Kledford@ewdf.com |
| City: Englewood, FL | Zip code: 34223 |
| Permit and Treatment Plant Information | |
| DEP Permit Number: FLA014126 | |
| Permitted Disposal Capacity (AADF): 3.0 MGD | |
| Plant Peak Design Capacity: 4.2 MGD | |
| Monthly Flow Data (For Reported Month Only) | |
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| Month's Peak Daily Flow: 1.636 MGD | |
| Sanitary Sewer Connection Information (In ERCs) | |
| ERCs (MGD) | Connections |
| Total ERCs Permitted: 3.0 MGD | |
| Total ERCs Served: 19,854 | 16,297 |
| Single Family: 15,173 | 15,163 |
| Multi-Family: 2,745 | 310 |
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| Other: | |
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| Bulk Sewer Purchase Agreement Information | |
| Utility Purchased From: Englewood Water District | |
| Utility Sold To: Charlotte County Utilities | |
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| Emergency Interconnect Information | |
| Interconnected Utility: N/A | |
| Amount Transferred: | |
| Reason for Emergency Transfer: | |

ENGLEWOOD WATER DISTRICT
SEPTEMBER 30, 2021, YTD FY22 JUNE 2022
BALANCE SHEET

| | <u>FY2021</u> | <u>YTD FY 2022</u> |
|---|-----------------------|-----------------------|
| <u>ASSETS</u> | | |
| Current Assets | | |
| Cash & Equivalents | \$ 7,881,804 | \$ 2,880,679 |
| Accounts Receivable | 1,887,212 | 2,059,373 |
| Accrued Interest Receivable | - | - |
| Inventory | 1,284,316 | 1,653,920 |
| Prepays | (247,481) | (120,073) |
| Total Current Assets | <u>10,805,850</u> | <u>6,473,899</u> |
| Noncurrent Assets | | |
| Restricted Cash and Cash Equivalents | - | - |
| Restricted Assets: Investments | 3,507,859 | 5,319,671 |
| Investments | 11,028,130 | 14,575,663 |
| Connection Fees - Assessment Rec | 1,709,667 | 1,593,282 |
| Capital Assets (net) | 89,451,389 | 93,241,689 |
| Total Noncurrent Assets | <u>105,697,045</u> | <u>114,730,305</u> |
| Total Assets | <u>116,502,895</u> | <u>121,204,204</u> |
| Deferred Outflow of Resources | | |
| Accumulated Decreases in Fair Value of Hedging Derivatives | 282,127 | 282,127 |
| Accumulated Costs Associated with Refunding of Debt | 101,813 | 101,813 |
| Deferred Amounts on Pensions | 726,348 | 726,348 |
| Total Deferred Outflow of Resources | <u>1,110,288</u> | <u>1,110,288</u> |
| <u>LIABILITIES AND NET POSITION</u> | | |
| Current Liabilities | | |
| Accounts Payable | 394,806 | 353,258 |
| Accrued Liabilities | 535,574 | 427,546 |
| Total Current Liabilities | <u>930,380</u> | <u>780,804</u> |
| Current Liabilities Payable from Restricted Assets | | |
| Contracts Payable | - | - |
| Retainage Payable | 30,901 | (0) |
| Accrued Interest | 83,417 | 83,417 |
| Current Portion of Bonds and Notes Payable | 2,299,678 | 243,795 |
| Total Current Liabilities Payable from Restricted Assets | <u>2,413,996</u> | <u>327,212</u> |
| Noncurrent Liabilities | | |
| Compensated Absences | 714,843 | 694,759 |
| Net OPEB Obligation | 1,125,458 | 1,125,458 |
| Derivative Instruments - Rate Swap | 282,127 | 282,127 |
| Bonds and Notes Payable, Net | 4,224,921 | 4,224,921 |
| Net Pension Liability | 929,852 | 929,852 |
| Total Noncurrent Liabilities | <u>7,277,202</u> | <u>7,257,117</u> |
| Total Liabilities | <u>10,621,578</u> | <u>8,365,133</u> |
| Deferred Inflow of Resources | | |
| Deferred Amount on Pensions | 3,913,291 | 3,913,291 |
| | <u>3,913,291</u> | <u>3,913,291</u> |
| Net Position | | |
| Net Investment in Capital Assets | 82,895,888 | 88,772,973 |
| Unrestricted | 20,182,426 | 21,263,096 |
| Total Net Position | <u>\$ 103,078,314</u> | <u>\$ 110,036,068</u> |

**ENGLEWOOD WATER DISTRICT
INCOME STATEMENT**

YE FY21, JUNE 2021, FY22 BUDGET, YTD FY22 JUNE 2022

| | YEAR END FY21 | YTD FY21 JUNE 2021 | FY22 APPROVED BUDGET | YTD FY22 2022 | JUNE 2022 | Over (Under) Budget |
|--|-----------------------|-----------------------|-------------------------|-----------------------|--------------------|------------------------|
| Operating Revenues | | | | | | |
| Water Services | \$ 7,954,654 | \$ 6,069,893 | \$ 8,625,318 | \$ 6,478,137 | \$ (2,147,181) | |
| Water Treatment | 9,122,546 | 6,962,078 | 9,893,112 | 7,372,298 | (2,520,814) | |
| Accrued Guaranteed Revenue Fees | 364,333 | 183,346 | 272,700 | 218,879 | (53,821) | |
| Other | 261,404 | 200,636 | 681,667 | 253,703 | (427,965) | |
| Total Operating Revenues | 17,702,937 | 13,415,953 | 19,472,797 | 14,323,016 | (5,149,781) | |
| Operating Expenses | | | | | | |
| Water Treatment | 2,772,293 | 1,726,092 | 2,817,291 | 2,044,801 | (772,490) | |
| Water Distribution | 2,148,022 | 1,131,994 | 1,915,473 | 1,389,619 | (525,854) | |
| Waste Treatment | 3,287,465 | 1,679,612 | 2,552,252 | 1,791,446 | (760,806) | |
| Waste Collection | 4,366,688 | 2,037,800 | 3,345,836 | 2,322,979 | (1,022,858) | |
| Laboratory | 214,542 | 173,536 | 307,332 | 184,257 | (123,075) | |
| General & Administrative | 3,194,466 | 2,404,856 | 4,011,550 | 2,633,458 | (1,378,091) | |
| Total Operating Expenses | 15,983,477 | 9,153,890 | 14,949,735 | 10,366,560 | (4,583,175) | |
| Operating Income (Loss) | 1,719,460 | 4,262,063 | 4,523,062 | 3,956,457 | (566,606) | |
| Non-Operating Revenues (Expenses) | | | | | | |
| Interest Income | 290,574 | 214,276 | 130,000 | 219,701 | 89,701 | |
| Net Increase (Decrease) in Fair Value of Investment | (246,661) | (141,414) | - | (740,911) | (740,911) | |
| Assessment Revenue | 102,615 | 8,358 | - | 2,703 | 2,703 | |
| Interest Expense | (345,424) | (299,631) | (217,015) | (202,327) | (14,688) | |
| Other Revenues | 291,472 | 91,472 | - | - | - | |
| Gain (loss) on Disposal of Capital Assets | 34,506 | 34,506 | - | 34,440 | 34,440 | |
| Total Non-Operating Expenses | 127,082 | (92,433) | (87,015) | (686,395) | (628,755) | |
| Income (Loss) Before Contributions | 1,846,542 | 4,169,630 | 4,436,047 | 3,270,062 | (1,195,361) | |
| Capital Contributions | | | | | | |
| Cash | 2,391,962 | 1,379,074 | 1,526,925 | 1,381,934 | (144,991) | |
| Non Cash | - | (165) | - | 2,305,759 | 2,305,759 | |
| Total Capital Contributions | 2,391,962 | 1,378,909 | 1,526,925 | 3,687,693 | 2,160,768 | |
| Change in Net Position | 4,238,505 | 5,548,539 | 5,962,972 | 6,957,754 | (599,441) | |
| Total Net Position - beginning of year, as restated | 98,839,809 | 98,839,809 | 103,078,314 | 103,078,314 | | |
| Total Net Position - end of year | \$ 103,078,314 | \$ 104,388,348 | \$ 109,041,286 | \$ 110,036,068 | | |

Englewood Water District
RBC Investment Report
06/30/2022

| Security Description | Investment Type | Cusip | Cost | Coupon Rate | Trade Date | CD Date | Maturity Date | Par Value | Current Market Value | Estimated Yield | Duration (In Years) |
|---------------------------------------|------------------|-----------|------------|-------------|------------|------------|---------------|------------|----------------------|-----------------|---------------------|
| ISRAEL STATE | US GOVT GTD NOTE | 465139PR8 | 252,052.25 | floating | 12/3/2019 | 1/21/1997 | 11/15/2024 | 273,000.00 | 251,203.68 | | 4.96 |
| GOLDMAN SACHS BANK US NEW YORK NY | CD | 38148PLD7 | 131,007.97 | 2.200% | 7/6/2017 | 7/5/2017 | 7/5/2022 | 130,000.00 | 130,009.10 | 2.130% | 5.00 |
| MEDALLION BANK | CD | 58404DEQ0 | 201,791.12 | 2.000% | 10/15/2019 | 7/17/2019 | 7/18/2022 | 200,000.00 | 200,030.00 | 1.940% | 2.76 |
| KS STATE BANK | CD | 50116CBD0 | 81,125.43 | 2.100% | 12/3/2019 | 7/31/2017 | 7/29/2022 | 80,000.00 | 80,025.60 | 2.040% | 2.65 |
| TIAA FSB | CD | 87270LCM3 | 247,511.25 | 2.100% | 9/6/2019 | 7/29/2019 | 7/29/2022 | 245,000.00 | 245,075.95 | 2.040% | 2.90 |
| DISCOVER BANK GREENWOOD DE | CD | 2546726Y9 | 99,943.60 | 2.300% | 5/10/2019 | 8/2/2017 | 8/2/2022 | 100,000.00 | 100,053.00 | 2.220% | 3.23 |
| COMENITY CAPITAL BANK | CD | 20033AF27 | 115,000.00 | 3.150% | 9/4/2018 | 9/14/2018 | 9/14/2022 | 115,000.00 | 115,318.55 | 3.000% | 4.00 |
| BARCLAYS BK DE US | CD | 06740KLD7 | 149,759.48 | 2.300% | 1/2/2018 | 10/18/2017 | 10/18/2022 | 150,000.00 | 150,195.00 | 2.220% | 4.79 |
| BUSINESS BK OF ST LOUIS | CD | 12325EHX3 | 109,000.00 | 2.150% | 9/6/2019 | 10/26/2017 | 10/26/2022 | 109,000.00 | 109,091.56 | 2.080% | 3.14 |
| FLAGSTAR BANK FSB | CD | 33847E2W6 | 251,562.50 | 1.750% | 1/7/2020 | 11/15/2019 | 11/15/2022 | 250,000.00 | 249,802.50 | 1.700% | 2.86 |
| BANK OF NEW ENGLAND | CD | 06426KBG2 | 130,000.00 | 2.100% | 7/10/2019 | 7/19/2019 | 11/21/2022 | 130,000.00 | 130,063.70 | 2.030% | 3.35 |
| WELLS FARGO BANK NA SIOUX FALL SC | CD | 949763LR5 | 245,000.00 | 2.500% | 12/6/2017 | 12/8/2017 | 12/8/2022 | 245,000.00 | 245,504.70 | 2.390% | 5.00 |
| AMERICAN EXPR BANK FSC SALT LAKE CITY | CD | 02587CHK9 | 170,000.00 | 2.500% | 1/2/2018 | 12/12/2017 | 12/12/2022 | 170,000.00 | 170,351.90 | 2.400% | 4.95 |
| VYSTAR CREDIT UNION | CD | 92891CCD2 | 263,355.00 | 3.500% | 10/16/2019 | 12/11/2018 | 12/12/2022 | 250,000.00 | 251,642.50 | 3.300% | 3.16 |
| CAPITAL ONE BANK USA NA GLEN ALLEN VA | CD | 1404206Y1 | 165,000.00 | 2.500% | 12/5/2017 | 12/13/2017 | 12/13/2022 | 165,000.00 | 165,341.55 | 2.390% | 5.00 |
| CAPITAL ONE NA MCLEAN VA | CD | 14042RKU4 | 58,000.00 | 2.500% | 12/5/2017 | 12/13/2017 | 12/13/2022 | 58,000.00 | 58,120.06 | 2.390% | 5.00 |
| SALLIE MAE BANK SALT LAKE CITY UT | CD | 795450G82 | 135,000.00 | 2.500% | 1/2/2018 | 12/13/2017 | 12/13/2022 | 135,000.00 | 135,279.45 | 2.390% | 4.95 |
| STEARNS BANK NA ST CLOUD MN | CD | 857894VP1 | 150,000.00 | 2.250% | 1/2/2018 | 12/15/2017 | 12/15/2022 | 150,000.00 | 150,136.50 | 2.160% | 4.95 |
| VIRGINIA PARTNERS BANK | CD | 928066BA6 | 250,000.00 | 1.700% | 12/3/2019 | 12/30/2019 | 12/30/2022 | 250,000.00 | 249,502.50 | 1.650% | 3.00 |
| MORGAN STANLEY BANK NA SALT LAKE CITY | CD | 61690UCY4 | 250,000.00 | 3.200% | 1/2/2019 | 1/10/2019 | 1/10/2023 | 250,000.00 | 251,382.50 | 3.020% | 4.00 |
| WELLS FARGO NATL BANK WEST | CD | 949495AQ8 | 250,000.00 | 1.900% | 1/7/2020 | 1/17/2020 | 1/17/2023 | 250,000.00 | 249,640.00 | 1.830% | 3.00 |
| LIVE OAK BKG CO | CD | 538036HL1 | 250,000.00 | 1.700% | 1/7/2020 | 1/24/2020 | 1/25/2023 | 250,000.00 | 249,302.50 | 1.650% | 3.01 |
| MORGAN STANLEY BANK NA SALT LAKE CITY | CD | 61747MJ77 | 250,000.00 | 2.650% | 2/1/2018 | 2/8/2018 | 2/8/2023 | 250,000.00 | 250,607.50 | 2.520% | 5.00 |
| CAPITAL BK LITTLE ROCK ARK | CD | 139797GN8 | 250,000.00 | 2.550% | 2/1/2018 | 2/16/2018 | 2/16/2023 | 250,000.00 | 250,432.50 | 2.430% | 5.00 |
| CITIBANK NA | CD | 17312Q3R8 | 261,730.58 | 2.750% | 6/4/2019 | 4/2/2019 | 4/3/2023 | 258,000.00 | 258,583.08 | 2.600% | 3.83 |
| BMW BANK NORTH AMERICA | CD | 05580AWK6 | 102,905.00 | 1.450% | 11/19/2020 | 4/14/2020 | 4/14/2023 | 100,000.00 | 99,179.00 | 1.410% | 2.40 |
| BMW BANK NORTH AMERICA | CD | 05580AMJ0 | 104,238.88 | 3.000% | 1/2/2020 | 4/20/2018 | 4/20/2023 | 100,000.00 | 100,375.00 | 2.820% | 3.30 |
| CROSSFIRST BANK | CD | 22766ABJ3 | 194,458.60 | 2.150% | 3/3/2020 | 6/28/2017 | 6/28/2023 | 190,000.00 | 188,687.10 | 2.050% | 3.32 |
| MERRICK BANK SOUTH JOURDAN UT CD | CD | 59013KBQ8 | 177,666.00 | 2.150% | 8/29/2019 | 7/23/2019 | 7/24/2023 | 175,000.00 | 173,635.00 | 2.050% | 3.90 |
| BMW BANK NORTH AMERICA | CD | 05580AWV2 | 50,000.00 | 0.300% | 8/18/2020 | 8/21/2020 | 8/21/2023 | 50,000.00 | 48,532.00 | 0.290% | 3.00 |
| DISCOVER BANK GREENWOOD DE | CD | 254673TE6 | 62,162.70 | 3.250% | 6/13/2019 | 8/22/2018 | 8/22/2023 | 60,000.00 | 60,214.80 | 3.010% | 4.19 |
| WCF FINANCIAL BANK | CD | 92941EAF5 | 100,000.00 | 0.200% | 8/18/2020 | 8/26/2020 | 8/25/2023 | 100,000.00 | 96,900.00 | 0.200% | 3.00 |
| BANK OF BARODA | CD | 06062R4E9 | 260,650.52 | 3.300% | 8/1/2019 | 9/28/2018 | 9/28/2023 | 248,000.00 | 248,982.08 | 3.050% | 4.16 |
| FIRST TECHNOLOGY FCU | CD | 33715LCM0 | 259,657.22 | 3.400% | 7/23/2019 | 10/17/2018 | 10/17/2023 | 249,000.00 | 250,282.35 | 3.130% | 4.24 |
| BANK OF BARODA | CD | 06063HBA0 | 62,253.50 | 3.500% | 3/3/2020 | 12/28/2018 | 12/28/2023 | 58,000.00 | 58,354.38 | 3.200% | 3.82 |
| MEDALLION BANK | CD | 58404DDB4 | 54,592.91 | 3.300% | 6/9/2020 | 1/3/2019 | 1/3/2024 | 50,000.00 | 50,156.00 | 3.030% | 3.57 |
| SYNCHRONY BANK | CD | 87164YTC8 | 89,961.75 | 2.600% | 6/13/2019 | 1/12/2018 | 1/12/2024 | 89,000.00 | 88,339.62 | 2.430% | 4.59 |
| BANK HAPOALIM BM N NY US | CD | 06251AV80 | 37,097.10 | 3.200% | 4/1/2020 | 1/23/2019 | 1/23/2024 | 35,000.00 | 35,046.20 | 2.940% | 3.81 |
| BANK OF THE WEST | CD | 06426XZP8 | 200,000.00 | floating | 7/10/2019 | 7/30/2019 | 1/30/2024 | 200,000.00 | 199,960.00 | | 4.51 |
| GOLDMAN SACHS BANK USA | CD | 38148P4W4 | 106,237.00 | 3.150% | 3/3/2020 | 2/6/2019 | 2/6/2024 | 100,000.00 | 100,032.00 | 2.890% | 3.93 |
| EAST BOSTON SVGS BANK | CD | 27113PDL2 | 250,000.00 | 0.300% | 8/5/2020 | 8/12/2020 | 2/12/2024 | 250,000.00 | 238,890.00 | 0.290% | 3.50 |
| CIT BANK SALT LAKE CITY | CD | 17284CXH2 | 64,197.72 | 3.300% | 4/8/2020 | 2/20/2014 | 2/20/2024 | 60,000.00 | 60,145.80 | 3.020% | 3.87 |
| MORGAN STANLEY PVT BANK | CD | 61760AWH8 | 62,222.00 | 3.000% | 7/2/2019 | 2/22/2019 | 2/21/2024 | 60,000.00 | 59,859.00 | 2.760% | 4.64 |
| BANK HAPOALIM BM N NY US | CD | 06251AW30 | 150,442.33 | 3.050% | 3/16/2021 | 3/18/2021 | 3/6/2024 | 150,297.00 | 139,739.60 | 2.820% | 2.98 |
| GE CAP BK INC RETAIL | CD | 36163CLZ1 | 81,271.13 | 3.300% | 6/9/2020 | 3/14/2014 | 3/14/2024 | 74,000.00 | 73,909.72 | 3.030% | 3.76 |
| BANK HAPOALIM BM N NY US | CD | 06251AW48 | 79,269.46 | 2.900% | 4/8/2020 | 3/25/2019 | 3/25/2024 | 75,000.00 | 74,638.50 | 2.670% | 3.96 |
| UBS BANK USA | CD | 90348JJQ4 | 271,267.50 | 2.900% | 11/18/2020 | 4/3/2019 | 4/3/2024 | 250,000.00 | 248,740.00 | 2.670% | 3.38 |
| GE CAP BK INC RETAIL | CD | 36163CMZ0 | 68,201.27 | 3.300% | 3/16/2021 | 3/18/2021 | 4/4/2024 | 67,271.42 | 61,895.84 | 3.040% | 3.05 |
| GE CAP RETAIL BANK DRAPER UTAH | CD | 36160KG82 | 56,153.19 | 3.300% | 3/16/2021 | 3/18/2021 | 4/17/2024 | 55,447.37 | 50,943.39 | 3.040% | 3.09 |
| ENERBANK USA | CD | 29278TNY2 | 253,062.50 | 1.150% | 5/5/2020 | 4/29/2020 | 4/29/2024 | 250,000.00 | 240,785.00 | 1.110% | 3.99 |
| CIT BANK SALT LAKE CITY | CD | 17284CA61 | 81,113.06 | 3.350% | 7/2/2019 | 4/30/2014 | 4/30/2024 | 77,000.00 | 77,164.78 | 3.040% | 4.83 |

Englewood Water District
RBC Investment Report
06/30/2022

| Security Description | Investment Type | Cusip | Cost | Coupon Rate | Trade Date | CD Date | Maturity Date | Par Value | Current Market Value | Estimated Yield | Duration (In Years) |
|---|------------------|-----------|----------------------|-------------|------------|---------------------|---------------------|----------------------|----------------------|-----------------|---------------------|
| COMENITY CAPITAL BANK | CD | 20033AW85 | 30,738.70 | 2.700% | 7/2/2019 | 5/15/2019 | 5/15/2024 | 30,000.00 | 29,702.70 | 2.500% | 4.87 |
| GE CAP RETAIL BANK DRAPER UTAH | CD | 36157QZE0 | 147,205.87 | 3.300% | 7/2/2019 | 5/16/2014 | 5/16/2024 | 140,000.00 | 139,650.00 | 3.020% | 4.88 |
| BANK OF NEW ENGLAND | CD | 06426KBD9 | 115,339.50 | 2.600% | 6/13/2019 | 5/23/2019 | 5/23/2024 | 114,000.00 | 112,628.58 | 2.410% | 4.95 |
| GE CAP RETAIL BANK DRAPER UTAH | CD | 36160NT90 | 55,017.09 | 3.300% | 3/16/2021 | 3/18/2021 | 5/30/2024 | 54,523.92 | 49,848.50 | 3.030% | 3.21 |
| DISCOVER BANK CD | CD | 254671V31 | 77,829.25 | 3.250% | 3/16/2021 | 3/18/2021 | 6/11/2024 | 77,211.07 | 70,762.86 | 2.990% | 3.24 |
| DISCOVER BANK CD | CD | 254671Y20 | 54,846.62 | 3.250% | 3/16/2021 | 3/18/2021 | 6/25/2024 | 54,472.15 | 49,814.00 | 2.980% | 3.28 |
| LIVE OAK BKG CO | CD | 538036HN7 | 252,687.50 | 1.850% | 1/29/2020 | 1/24/2020 | 7/24/2024 | 250,000.00 | 242,735.00 | 1.750% | 4.49 |
| INDUSTRIAL & COML BK CHINA | CD | 45581EAJ0 | 53,227.23 | 2.500% | 4/29/2020 | 7/28/2017 | 7/26/2024 | 50,000.00 | 49,193.00 | 2.320% | 4.24 |
| RAYMOND JAMES BANK NA | CD | 75472RAE1 | 110,516.45 | 2.000% | 5/14/2020 | 8/23/2019 | 8/23/2024 | 105,000.00 | 102,156.60 | 1.880% | 4.28 |
| CAPITAL ONE BANK USA NA | CD | 14042CD7 | 89,963.90 | 1.900% | 10/13/2020 | 8/28/2019 | 8/28/2024 | 85,000.00 | 82,505.25 | 1.790% | 3.88 |
| STATE BANK OF INDIA | CD | 8562842T0 | 101,577.10 | 3.250% | 4/1/2020 | 10/17/2014 | 10/17/2024 | 95,000.00 | 94,123.15 | 2.970% | 4.55 |
| RAYMOND JAMES BANK NA | CD | 75472RAK7 | 248,801.54 | 1.800% | 1/7/2020 | 11/8/2019 | 11/8/2024 | 248,000.00 | 239,406.80 | 1.700% | 4.84 |
| STATE BANK OF INDIA | CD | 8562843C6 | 89,573.36 | 3.200% | 4/1/2020 | 12/5/2014 | 12/5/2024 | 84,000.00 | 83,622.00 | 2.890% | 4.68 |
| MERRICK BANK SOUTH JOURDAN UT CD | CD | 59013KEY8 | 77,873.75 | 1.750% | 4/29/2020 | 1/17/2020 | 1/17/2025 | 75,000.00 | 72,065.25 | 1.650% | 4.72 |
| STATE BANK OF INDIA | CD | 856285SM4 | 73,461.70 | 1.950% | 6/9/2020 | 1/22/2020 | 1/22/2025 | 70,000.00 | 67,602.50 | 1.830% | 4.62 |
| INDUSTRIAL & COML BK CHINA | CD | 45581ECD1 | 200,000.00 | 0.350% | 2/3/2021 | 2/11/2021 | 2/11/2025 | 200,000.00 | 185,032.00 | 0.350% | 4.00 |
| BELL STATE B&T | CD | 07815AAZ0 | 257,151.12 | 1.600% | 7/1/2020 | 2/27/2020 | 2/27/2025 | 245,000.00 | 234,011.75 | 1.520% | 4.66 |
| AMERICAN EXPRESS NATL BANK | CD | 02589AB68 | 245,401.17 | 1.550% | 6/9/2020 | 3/31/2020 | 3/31/2025 | 237,000.00 | 225,704.58 | 1.470% | 4.81 |
| INSTITUTION FOR SVGS | CD | 45780PBL8 | 250,000.00 | 3.100% | 5/10/2022 | 5/20/2022 | 5/20/2025 | 250,000.00 | 248,030.00 | 3.100% | 3.00 |
| HADDON SVGS BANK | CD | 404730CR2 | 164,589.25 | 0.750% | 6/24/2020 | 5/26/2020 | 5/27/2025 | 163,000.00 | 151,141.75 | 0.740% | 4.93 |
| TEXAS BANK FINL | CD | 882213AF8 | 108,999.00 | 0.700% | 6/24/2020 | 5/28/2020 | 5/28/2025 | 108,000.00 | 99,985.32 | 0.690% | 4.93 |
| STATE BANK OF INDIA | CD | 856283N77 | 253,187.50 | 0.900% | 7/14/2020 | 6/26/2020 | 6/26/2025 | 250,000.00 | 230,917.50 | 0.890% | 4.95 |
| FIRST CAROLINA BANK | CD | 31944MBB0 | 250,000.00 | 0.450% | 8/5/2020 | 8/20/2020 | 8/20/2025 | 250,000.00 | 228,125.00 | 0.450% | 5.00 |
| TEXAS EXCHANGE BANK | CD | 88241TJJ0 | 250,000.00 | 0.600% | 10/13/2020 | 10/23/2020 | 10/23/2025 | 250,000.00 | 226,877.50 | 0.600% | 5.00 |
| JP MORGAN CHASE BK | CD | 48128UQP7 | 246,379.95 | 0.550% | 4/8/2021 | 10/30/2020 | 1/30/2026 | 250,000.00 | 226,290.00 | 0.550% | 4.82 |
| BMO HARRIS BK NATL ASSN | CD | 05600XBY5 | 250,000.00 | 0.550% | 2/11/2021 | 2/18/2021 | 2/18/2026 | 250,000.00 | 226,010.00 | 0.200% | 5.00 |
| SUNWEST BK IRVINE CALIF | CD | 86804DCR7 | 250,000.00 | 0.450% | 2/11/2021 | 2/26/2021 | 2/26/2026 | 250,000.00 | 224,975.00 | 0.450% | 5.00 |
| TOYOTA FINL SVGS BK | CD | 89235MLC3 | 252,795.19 | 0.950% | 8/17/2021 | 7/15/2021 | 7/15/2026 | 250,000.00 | 227,492.50 | 0.950% | 5.00 |
| Subtotal | | | 12,048,235.82 | | | 3,349,998.00 | 3,487,662.00 | 11,848,222.93 | 12,042,492.13 | | |
| US TREASURY SECURITIES | Bonds | 912828Y79 | 274,526.43 | 2.875% | 8/24/2021 | 8/25/2021 | 7/31/2025 | 250,000.00 | 249,112.50 | 0.408% | 3.93 |
| TENNESSEE VALLEY AUTH STRIP GENERIC INT PMT | zero coupon bond | 88059EHQ0 | 174,293.70 | 0.000% | 11/18/2020 | 11/3/1995 | 11/1/2025 | 178,000.00 | 159,763.90 | | 4.96 |
| TENNESSEE VALLEY AUTH | Bonds | 880591CJ9 | 68,156.95 | 6.750% | 11/18/2020 | 11/1/1995 | 11/1/2025 | 52,000.00 | 58,024.20 | 6.750% | 4.96 |
| US TREASURY SECURITIES | zero coupon bond | 912833LX6 | 419,934.35 | 0.000% | 6/1/2021 | 6/2/2021 | 11/15/2025 | 430,000.00 | 389,485.40 | | 4.46 |
| FEDERAL HOME LOAN BANK | Bonds | 3130ARLC3 | 400,000.00 | 2.625% | 3/30/2022 | 4/25/2022 | 4/25/2024 | 400,000.00 | 397,240.00 | 2.625% | 2.00 |
| UNITED STATES TREASURY NOTE | Treasury note | 912828L57 | 1,303,435.50 | 1.750% | 4/6/2022 | 9/30/2015 | 9/30/2022 | 1,300,000.00 | 1,299,792.00 | 1.308% | 0.48 |
| UNITED STATES TREASURY NOTE | Treasury note | 912828S92 | 1,486,407.59 | 1.250% | 4/6/2022 | 8/1/2016 | 7/31/2023 | 1,500,000.00 | 1,473,570.00 | 1.950% | 1.32 |
| UNITED STATES TREASURY NOTE | Treasury note | 912828WE6 | 1,008,182.65 | 2.750% | 4/6/2022 | 11/15/2013 | 11/15/2023 | 1,000,000.00 | 997,540.00 | 2.200% | 1.61 |
| UNITED STATES TREASURY NOTE | Treasury note | 91282CAT8 | 459,625.75 | 0.250% | 5/10/2022 | 11/2/2020 | 10/31/2025 | 500,000.00 | 456,155.00 | 2.704% | 3.48 |
| FEDERAL FARM CREDIT BANK | Bonds | 3133ENUZ1 | 249,756.00 | 3.090% | 5/10/2022 | 4/20/2022 | 10/20/2025 | 250,000.00 | 247,712.50 | 3.120% | 3.45 |
| UNITED STATES TREASURY NOTE | Treasury note | 912828T91 | 491,709.63 | 1.625% | 6/10/2022 | 10/31/2016 | 10/31/2023 | 500,000.00 | 491,600.00 | 2.867% | 1.39 |
| UNITED STATES TREASURY NOTE | Treasury note | 9128285K2 | 500,064.71 | 2.875% | 6/16/2022 | 10/31/2018 | 10/31/2023 | 500,000.00 | 499,745.00 | 2.864% | 1.38 |
| UNITED STATES TREASURY NOTE | Treasury note | 91282CDM0 | 483,011.03 | 0.500% | 6/16/2022 | 11/30/2021 | 11/30/2023 | 500,000.00 | 483,340.00 | 2.904% | 1.46 |
| FEDERAL FARM CREDIT BANK | Bonds | 3133ENZE3 | 500,000.00 | 3.490% | 6/16/2022 | 6/22/2022 | 12/22/2023 | 500,000.00 | 500,230.00 | 3.490% | 1.52 |
| UNITED STATES TREASURY NOTE | Treasury note | 9128285U0 | 149,387.63 | 2.625% | 6/16/2022 | 12/31/2018 | 12/31/2023 | 150,000.00 | 149,338.50 | 2.898% | 1.54 |
| Subtotal | | | 7,968,491.92 | | | | | 8,010,000.00 | 7,852,649.00 | | |
| Cash Balance | | | | | | | | | 330,518.99 | | |
| Subtotal Cash | | | | | | | | | 330,518.99 | | 360.10 |
| Average % and Duration in Years | | | | | | | | | | 2.016% | 3.87 |

