## COMMONWEALTH OF KENTUCKY

## BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY

IN THE MATTER OF:

# ELECTRONIC APPLICATION OF CUMBERLAND ) COUNTY WATER DISTRICT TO ISSUE SECURITIES IN THE APPROXIMATE PRINCIPAL ) AMOUNT OF $\$ 1,570,000$ FOR THE PURPOSE ) <br> OF REFUNDING CERTAIN OUTSTANDING ) CASE NO. 2020-00188 <br> OBLIGATIONS OF THE DISTRICT PURSUANT ) TO THE PROVISIONS OF KRS 278.300 AND ) 807 KAR 5:001 <br> CASE NO. 2020-00188 

## APPLICATION

The Applicant, Cumberland County Water District (the "District"), files this Application pursuant to KRS 278.300, 807 KAR 5:001, and all other applicable laws and regulations, and requests that the Kentucky Public Service Commission (the "Commission") enter an Order authorizing the District to issue certain securities in the approximate principal amount of $\$ 1,570,000$ (subject to adjustment of up to $10 \%$ ), for the purpose of refunding certain outstanding revenue bonds of the District. In support of this Application, and in compliance with the rules and regulations of the Commission, the District states as follows:

1. The District was established in accordance with the provisions of Chapter 74 of the Kentucky Revised Statutes pursuant to an Order of the County Judge/Executive of Cumberland County, which Order is on file in the County Court Order Books in the office of the Clerk of Cumberland County, Kentucky. The District is now, and has been since its inception, regulated by
the Commission, and all records and proceedings of the Commission with reference to the District are incorporated in this Application by reference. The District does not have any Articles of Incorporation due to the fact that it is a statutory entity.
2. The governing body of the District is its Board of Commissioners which is a public body corporate, with power to make contracts in furtherance of its lawful and proper purpose as provided for in KRS 74.070 and all applicable law and regulations.
3. The mailing address and email address of the District is as follows:

Cumberland County Water District c/o Mr. Matthew Dyer, General Manager 133 Lower River Street
Burkesville, Kentucky 42717
Telephone: (270) 864-3133
Fax: (270) 864-3865
email: ccwateroffice@yahoo.com
4. A general description of the District's water system property, together with a statement of the original cost, is contained in the District's Annual Report for 2019 which is on file with the Commission. The Annual Report is incorporated herein by reference.
5. The District proposes to borrow funds from the Kentucky Rural Water Finance Corporation ("KRWFC") pursuant to an Assistance Agreement (the "KRWFC Loan"), in the estimated principal amount of $\$ 1,570,000$ (subject to adjustment of up to $10 \%$ ) for the purpose of refunding certain outstanding revenue bonds of the District designated as (i) Cumberland County Water District Water Revenue Bonds, Series 1995A (RD Loan \#02), dated November 29, 1995, in the original principal amount of $\$ 339,000$, bearing interest at the rate of $5.00 \%$ per annum (the "1995A Bonds") currently held by the United States Department of Agriculture, acting through Rural Development ("RD"); (ii) Cumberland County Water District Water Revenue Bonds, Series

1995B (RD Loan \#04), dated November 29, 1995, in the original principal amount of $\$ 73,500$, bearing interest at the rate of $5.00 \%$ per annum (the "1995B Bonds") currently held by RD; (iii) Cumberland County Water District Water Revenue Bonds, Series 1995C (RD Loan \#08), dated November 29,1995 , in the original principal amount of $\$ 315,000$, bearing interest at the rate of $5.00 \%$ per annum (the "1995C Bonds") currently held by RD; (iv) Cumberland County Water District Water Revenue Bonds, Series 1995D (RD Loan \#10), dated November 29, 1995, in the original principal amount of $\$ 115,000$, bearing interest at the rate of $5.00 \%$ per annum (the "1995D Bonds") currently held by RD; (v) Cumberland County Water District Water Revenue Bonds, Series 1995E (RD Loan \#12), dated November 29, 1995, in the original principal amount of $\$ 87,300$, bearing interest at the rate of $5.00 \%$ per annum (the "1995E Bonds") currently held by RD; (vi) Cumberland County Water District Water Revenue Bonds, Series 1995F (RD Loan \#14), dated November 29, 1995, in the original principal amount of $\$ 151,000$, bearing interest at the rate of 4.50\% per annum (the "1995F Bonds") currently held by RD; (vii) Cumberland County Water District Water Revenue Bonds, Series 1995G (RD Loan \#16), dated November 29, 1995, in the original principal amount of $\$ 133,000$, bearing interest at the rate of $4.50 \%$ per annum (the "1995G Bonds") currently held by RD; (viii) Cumberland County Water District Water Revenue Bonds, Series of 1996 (RD Loan \#17), dated September 24, 1996, in the original principal amount of $\$ 254,000$, bearing interest at the rate of $4.50 \%$ per annum (the " 1996 Bonds") currently held by RD; (ix) Cumberland County Water District Water Revenue Bonds, Series of 2001 (RD Loan \#19), dated October 23, 2001, in the original principal amount of $\$ 400,000$, bearing interest at the rate of $4.50 \%$ per annum (the "2001 Bonds") currently held by RD; (x) Cumberland County Water District Water Revenue Bonds, Series of 2005 (RD Loan \#24), dated October 26, 2005, in the original principal
amount of $\$ 456,000$, bearing interest at the rate of $4.25 \%$ per annum (the " 2005 Bonds") currently held by RD; and (xi) Cumberland County Water District Water Revenue Bonds, Series of 2009 (RD Loan \#26), dated October 15, 2009, in the original principal amount of $\$ 415,000$, bearing interest at the rate of $4.25 \%$ per annum (the "2009 Bonds") currently held by RD (hereinafter, the 1995A Bonds, the 1995B Bonds, the 1995C Bonds, the 1995D Bonds, the 1995E Bonds, the 1995F Bonds, the 1995 G Bonds, the 1996 Bonds, the 2001 Bonds, the 2005 Bonds and the 2009 Bonds shall be collectively referred to as the "Prior Bonds"); and (b) paying the costs of issuance of the KRWFC Loan.
6. The estimated debt service for the KRWFC Loan is shown in Exhibit "A", which is attached hereto and incorporated herein by reference. The debt service schedule and estimated interest rates are subject to change because of market conditions. The final terms of the KRWFC Loan vary from the present assumptions based upon market conditions and other judgment factors.
7. The KRWFC Loan will provide the District with the funds necessary to (i) refund the Prior Bonds; and (ii) pay the costs of issuance of the KRWFC Loan.
8. The Sources and Uses of Funds to be obtained from the issuance of the KRWFC Loan are detailed as Exhibit " $B$ ", which is attached hereto and incorporated herein by reference.
9. It is anticipated that the proposed refunding of the Prior Bonds will result in a net present value cash flow savings of approximately $\$ 238,553.53$. These savings are shown on the Debt Service Comparison which is attached hereto and incorporated herein by reference as Exhibit "C".
10. The final principal amount of the KRWFC Loan will be adjusted based upon final interest rates which will be known on or about the date of sale of the proposed KRWFC Loan. Final
financial figures will be submitted to the Commission in a timely manner. The Applicant will not issue the securities if interest rates in the bond market shift to a point where the Applicant will not achieve any debt service savings.
11. The Debt Service Schedules of the outstanding Prior Bonds are set forth in Exhibit "D".
12. The District represents that the KRWFC Loan is in the public interest and is intended to accomplish the purpose of strengthening the financial condition of the District by producing substantial debt service savings. This is a lawful object within the corporate purposes of the District's utility operations. The KRWFC Loan is necessary, appropriate for, and consistent with the proper performance by the District of its service to the public and will not impair its ability to perform that service.
13. The District represents that it will, as soon as reasonably possible after the closing of the KRWFC Loan, file with the Commission a statement setting forth the date of issuance of the KRWFC Loan, the price paid, the fees and expenses incurred in the issuance of the KRWFC Loan, and the terms and interest rates of the KRWFC Loan.
14. The detailed Statements of Revenues, Expenses and Changes in Fund Net Position, Statements of Net Position, and Statements of Cash Flows for the twelve month periods ending on December 31, 2018 and 2019 are attached hereto and incorporated herein by reference as Exhibit "E" respectively.
15. Pursuant to 807 KAR 5:001, Section 12 - Financial Exhibit; the District hereby responds as follows:
(i) Section 12(1)(b): The District states that it had less than $\$ 5,000,000$ in gross annual revenue in the immediate past calendar year and that no material changes to the District's financial condition have occurred since the end of the twelve (12) month period contained in the District's most recent annual report on file with the Commission.
(ii) Section 12(2)(a), (b) and (c) Stock: The District does not have any authorized, issued or outstanding stock as of the date hereof.
(iii) Section 12(2)(d) Mortgages: The District does not have any outstanding mortgages as of the date hereof.
(iv) Section 12(2)(e), (f) and (g) Indebtedness: The information concerning the outstanding indebtedness of the District is contained in the 2019 Annual Report on file with this Commission.
(v) Section 12(2)(h) Dividends: The District has no outstanding stock and therefore pays no dividends.
(vi) Section 12(2)(i) Financial Statements: See paragraph \#14 above.
16. Pursuant to 807 KAR 5:001, Section 18, the District hereby responds as follows:
(i) Section 18(1)(a): The District has complied with the requirements of 807 KAR 5:001, Section 14.
(ii) Section 18(1)(b): A general description of the District's property, its field of operation and a statement of original cost of said property and the cost to the District is contained in the District's 2019 Annual Report on file with this Commission.
(iii) Section 18(1)(c): The District is not issuing any stock as part of this financing. The information concerning the proposed KRWFC Loan is contained in this Application. The KRWFC Loan will be secured by and payable from the gross revenues of the District's water system.
(iv) Section 18(1)(d): The proceeds of the KRWFC Loan are being used to refund the outstanding Prior Bonds and pay the costs of issuance thereof.
(v) Section 18(1)(e): No property is being acquired with the proceeds of the KRWFC Loan.
(vi) Section 18(1)(f): The details of the refunding are contained in this Application and the Exhibits hereto.
(vii) Section 18(1)(g): Written notification of the proposed issuance of the KRWFC Loan is being provided to the State Local Debt Officer (see Exhibit "F" attached hereto).
(viii) Section 18(2)(a): See paragraph \#15 above.
(ix) Section 18(2)(b): The District does not have any outstanding trust deeds or mortgages.
(x) Section 18(2)(c): No property is being acquired with the proceeds of the KRWFC Loan.
17. No rate adjustment will be necessary.

WHEREFORE, the District respectfully requests that the Commission take the following actions:

1. Authorize the issuance of the securities requested in the Application;
2. Due to the volatility of the present bond market and in order to achieve substantial interest cost savings to the District by taking full advantage of current low interest rates, the District requests that the Commission issued its Order as soon as possible; and
3. Process this Application without a formal hearing in order to save time and expense. The District will promptly respond to any information requests by the Commission's staff.

Cumberland County Water District



Cumberland County Water District
133 Lower River Street
Burkesville, Kentucky 42717
Phone: (270) 864-3133
Fax: (270) 864-3865
Email: ccwateroffice@yahoo.com

Rubin \& Hays


## STATE OF KENTUCKY ) ) $S S$ COUNTY OF CUMBERLAND )

The affiant, Troy Norris, being first duly sworn, states: That he is the Chairman of the Cumberland County Water District, the Applicant in this case; that he has read the foregoing Application and has noted the contents thereof; that the same are true of his own knowledge and belief, except as to matters which are herein stated to be based on information or belief, and that these matters, he believes to be true and correct.

IN TESTIMONY WHEREOF, witness the signature of the undersigned on the $25^{\text {th d }}$ day of June, 2020.


SUBSCRIBED, SWORN TO AND ACKNOWLEDGED before me by Troy Norris, Chairman of the Cumberland County Water District, on this the $25^{\text {th d }}$ day of June, 2020.

My Commission expires:


## EXHIBIT A

Debt Service Schedule

## Preliminary

\$1,570,000
Cumberland County Water District
Potential Loan though the
Kentucky Rural Water Finance Corporation

## Debt Service Schedule

| Date | Principal | Coupon | Interest | Total P+1 | Fiscal Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 07/02/2020 | - | - | - | - |  |
| 02/01/2021 | - | - | 36,830.44 | 36,830.44 | - |
| 08/01/2021 | - | - | 31,720.00 | 31,720.00 |  |
| 12/31/2021 | - | - | - | - | 68,550.44 |
| 02/01/2022 | 85,000.00 | 5.200\% | 31,720.00 | 116,720.00 |  |
| 08/01/2022 | - | - | 29,510.00 | 29,510.00 | - |
| 12/31/2022 | - | - | - | - | 146,230.00 |
| 02/01/2023 | 90,000.00 | 5.200\% | 29,510.00 | 119,510.00 | , |
| 08/01/2023 | - | - | 27,170.00 | 27,170.00 | - |
| 12/31/2023 | - - | - | - | - | 146,680.00 |
| 02/01/2024 | 100,000.00 | 5.200\% | 27,170.00 | 127,170.00 |  |
| 08/01/2024 | - | - | 24,570.00 | 24,570.00 | - |
| 12/31/2024 | - | - | - | - | 151,740.00 |
| 02/01/2025 | 100,000.00 | 5.200\% | 24,570.00 | 124,570.00 | - |
| 08/01/2025 | - | - | 21,970.00 | 21,970.00 | . |
| 12/31/2025 | - | - | - | - | 146,540.00 |
| 02/01/2026 | 85,000.00 | 5.200\% | 21,970.00 | 106,970.00 | - |
| 08/01/2026 | - | - | 19,760.00 | 19,760.00 | - |
| 12/31/2026 | - | - | - | - | 126,730.00 |
| 02/01/2027 | 70,000.00 | 5.200\% | 19,760.00 | 89,760.00 | - |
| 08/01/2027 | - | - | 17,940.00 | 17,940.00 |  |
| 12/31/2027 | - | - | - | - | 107,700.00 |
| 02/01/2028 | 65,000.00 | 5.200\% | 17,940.00 | 82,940.00 | - |
| 08/01/2028 | - | - | 16,250.00 | 16,250.00 | - |
| 12/31/2028 | - | - | - | - | 99,190.00 |
| 02/01/2029 | 65,000.00 | 4.200\% | 16,250.00 | 81,250.00 | - |
| 08/01/2029 | - | - | 14,885.00 | 14,885.00 | - |
| 12/31/2029 | - | - | - | - | 96,135.00 |
| 02/01/2030 | 65,000.00 | 4.200\% | 14,885.00 | 79,885.00 | - |
| 08/01/2030 | - | - | 13,520.00 | 13,520.00 | - |
| 12/31/2030 | - | - | - | - | 93,405.00 |
| 02/01/2031 | 65,000.00 | 3.200\% | 13,520.00 | 78,520.00 | - |
| 08/01/2031 | . | . | 12,480.00 | 12,480.00 | - |
| 12/31/2031 | - | - | - | - | 91,000.00 |
| 02/01/2032 | 65,000.00 | 3.200\% | 12,480.00 | 77,480.00 | - |
| 08/01/2032 | - | - | 11,440.00 | 11,440.00 | - |
| 12/31/2032 | - | - | - | , | 88,920.00 |
| 02/01/2033 | 70,000.00 | 3.200\% | 11,440.00 | 81,440.00 | - |
| 08/01/2033 | - | - | 10,320.00 | 10,320.00 | - |
| 12/31/2033 | - | - | - | - | 91,760.00 |
| 02/01/2034 | 70,000.00 | 3.200\% | 10,320.00 | 80,320.00 | - |
| 08/01/2034 | - | - | 9,200.00 | 9,200.00 | - |
| 12/31/2034 | - | - | - | - | 89,520.00 |
| 02/01/2035 | 75,000.00 | 3.200\% | 9,200.00 | 84,200.00 | 8,520.00 |
| 08/01/2035 | - | . | 8,000.00 | 8,000.00 | . |
| 12/31/2035 | - | - | - | - | 92,200.00 |
| 02/01/2036 | 60,000.00 | 3.200\% | 8,000.00 | 68,000.00 | 92,20. |
| 08/01/2036 | - | - | 7,040.00 | 7,040.00 | - |
| 12/31/2036 | - | - | - | - | 75,040.00 |
| 02/01/2037 | 45,000.00 | 3.200\% | 7,040.00 | 52,040.00 | . |
| 08/01/2037 | - | - | 6,320.00 | 6,320.00 | - |
| 12/31/2037 | - | - | - | - | 58,360.00 |
| 02/01/2038 | 50,000.00 | 3.200\% | 6,320.00 | 56,320.00 | - |
| 08/01/2038 | - | - | 5,520.00 | 5,520.00 | - |
| 12/31/2038 | - | - | - |  | 61,840.00 |
| 02/01/2039 | 50,000.00 | 3.200\% | 5,520.00 | 55,520.00 | - |
| 08/01/2039 |  |  | 4,720.00 | 4,720.00 | - |


| 12/31/2039 | $\cdot$ | - | - | - | 60,240.00 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 02/01/2040 | 50,000.00 | 3.200\% | 4,720.00 | 54,720.00 | - |
| 08/01/2040 | - | - | 3,920.00 | 3,920.00 |  |
| 12/31/2040 | - | - | - |  | 58,640.00 |
| 02/01/2041 | 55,000.00 | 3.200\% | 3,920.00 | 58,920.00 | - |
| 08/01/2041 | - | - | 3,040.00 | 3,040.00 | - |
| 12/31/2041 | - | - | - | - | 61,960.00 |
| 02/01/2042 | 35,000.00 | 3.200\% | 3,040.00 | 38,040.00 |  |
| 08/01/2042 | - | - | 2,480.00 | 2,480.00 | - |
| 12/31/2042 | - | - | - | - | 40,520.00 |
| 02/01/2043 | 35,000.00 | 3.200\% | 2,480.00 | 37,480.00 | - |
| 08/01/2043 | - | - | 1,920.00 | 1,920.00 | - |
| 12/31/2043 | - | - | - | - | 39,400.00 |
| 02/01/2044 | 35,000.00 | 3.200\% | 1,920.00 | 36,920.00 |  |
| 08/01/2044 | - | - | 1,360.00 | 1,360.00 | - |
| 12/31/2044 | - | - | . |  | 38,280.00 |
| 02/01/2045 | 35,000.00 | 3.200\% | 1,360.00 | 36,360.00 | - |
| 08/01/2045 | - | - | 800.00 | 800.00 | - |
| 12/31/2045 | - | - | - | - | 37,160.00 |
| 02/01/2046 | 10,000.00 | 3.200\% | 800.00 | 10,800.00 |  |
| 08/01/2046 | . | - | 640.00 | 640.00 | - |
| 12/31/2046 | - | - | - | - | 11,440.00 |
| 02/01/2047 | 15,000.00 | 3.200\% | 640.00 | 15,640.00 | - |
| 08/01/2047 | - | - | 400.00 | 400.00 | - |
| 12/31/2047 | - | - | - | - | 16,040.00 |
| 02/01/2048 | 10,000.00 | 3.200\% | 400.00 | 10,400.00 | . |
| 08/01/2048 | - | - | 240.00 | 240.00 | - |
| 12/31/2048 | - | - | - | - | 10,640.00 |
| 02/01/2049 | 15,000.00 | 3.200\% | 240.00 | 15,240.00 | - |
| 12/31/2049 | - | - | - | - | 15,240.00 |
| Total | \$1,570,000.00 | - | \$651,100.44 | \$2,221,100.44 | - |

Yield Statistics

| Bond Year Dollars | \$18,346.47 |
| :---: | :---: |
| Average Life | 11.686 Years |
| Average Coupon | 3.5489136\% |
| Net Interest Cost (NIC) | 3.0682964\% |
| True Interest Cost (TIC) | 2.9945989\% |
| Bond Yield for Arbitrage Purposes | 2.8133244\% |
| All Inclusive Cost (AIC) | 3.2468582\% |
| IRS Form 8038 |  |
| Net Interest Cost | $2.8038359 \%$ |
| Weighted Average Maturity | 11.329 Years |

## Raymond James

## EXHIBIT B

## Total Sources and Uses

Preliminary
\$1,570,000
Cumberland County Water District
Potential Loan though the
Kentucky Rural Water Finance Corporation

## Sources \& Uses

## Dated 07/02/2020| Delivered 07/02/2020

## Sources Of Funds

| Par Amount of Bonds | $\$ 1,570,000.00$ |
| :--- | ---: |
| Reoffering Premium | $115,651.30$ |
| Transfers from Prior Issue Debt Service Funds | $78,689.13$ |
|  |  |
| Total Sources | $\$ 1,764,340.43$ |

Uses Of Funds

| Total Underwriter's Discount (1.750\%) | $\mathbf{2 7 , 4 7 5 . 0 0}$ |
| :--- | ---: |
| Costs of Issuance | $28,620.00$ |
| Deposit to Current Refunding Fund | $1,704,346.58$ |
| Rounding Amount | $3,898.85$ |
|  | $\mathbf{\$ 1 , 7 6 4 , 3 4 0 . 4 3}$ |

## EXHIBIT C

## Debt Service Comparison

## Preliminary

\$1,570,000

## Cumberland County Water District

Potential Loan though the
Kentucky Rural Water Finance Corporation

## Debt Service Comparison

| Date | Total P+I | Expenses | Net New D/S | Old Net D/S | Savings |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12/31/2020 | - | - | - | - |  |
| 12/31/2021 | 68,550.44 | 450.00 | 69,000.44 | 157,378.25 | 88,377.81 |
| 12/31/2022 | 146,230.00 | 450.00 | 146,680.00 | 157,078.00 | 10,398.00 |
| 12/31/2023 | 146,680.00 | 450.00 | 147,130.00 | 156,406.50 | 9,276.50 |
| 12/31/2024 | 151,740.00 | 450.00 | 152,190.00 | 158,473.75 | 6,283.75 |
| 12/31/2025 | 146,540.00 | 450.00 | 146,990.00 | 156,744.75 | 9,754.75 |
| 12/31/2026 | 126,730.00 | 450.00 | 127,180.00 | 134,385.00 | 7,205.00 |
| 12/31/2027 | 107,700.00 | 450.00 | 108,150.00 | 116,319.50 | 8,169.50 |
| 12/31/2028 | 99,190.00 | 450.00 | 99,640.00 | 108,284.00 | 8,644.00 |
| 12/31/2029 | 96,135.00 | 450.00 | 96,585.00 | 102,408.25 | 5,823.25 |
| 12/31/2030 | 93,405.00 | 450.00 | 93,855.00 | 102,499.25 | 8,644.25 |
| 12/31/2031 | 91,000.00 | 450.00 | 91,450.00 | 97,972.50 | 6,522.50 |
| 12/31/2032 | 88,920.00 | 450.00 | 89,370.00 | 98,648.00 | 9,278.00 |
| 12/31/2033 | 91,760.00 | 450.00 | 92,210.00 | 98,677.50 | 6,467.50 |
| 12/31/2034 | 89,520.00 | 450.00 | 89,970.00 | 98,084.75 | 8,114.75 |
| 12/31/2035 | 92,200.00 | 450.00 | 92,650.00 | 98,489.75 | 5,839.75 |
| 12/31/2036 | 75,040.00 | 450.00 | 75,490.00 | 82,845.50 | 7,355.50 |
| 12/31/2037 | 58,360.00 | 450.00 | 58,810.00 | 69,366.25 | 10,556.25 |
| 12/31/2038 | 61,840.00 | 450.00 | 62,290.00 | 68,281.25 | 5,991.25 |
| 12/31/2039 | 60,240.00 | 450.00 | 60,690.00 | 69,152.50 | 8,462.50 |
| 12/31/2040 | 58,640.00 | 450.00 | 59,090.00 | 69,893.75 | 10,803.75 |
| 12/31/2041 | 61,960.00 | 450.00 | 62,410.00 | 68,505.00 | 6,095.00 |
| 12/31/2042 | 40,520.00 | 450.00 | 40,970.00 | 47,072.50 | 6,102.50 |
| 12/31/2043 | 39,400.00 | 450.00 | 39,850.00 | 47,500.00 | 7,650.00 |
| 12/31/2044 | 38,280.00 | 450.00 | 38,730.00 | 46,342.50 | 7,612.50 |
| 12/31/2045 | 37,160.00 | 450.00 | 37,610.00 | 46,663.75 | 9,053.75 |
| 12/31/2046 | 11,440.00 | 450.00 | 11,890.00 | 22,400.00 | 10,510.00 |
| 12/31/2047 | 16,040.00 | 450.00 | 16,490.00 | 22,592.50 | 6,102.50 |
| 12/31/2048 | 10,640.00 | 450.00 | 11,090.00 | 21,742.50 | 10,652.50 |
| 12/31/2049 | 15,240.00 | 450.00 | 15,690.00 | 21,892.50 | 6,202.50 |
| TOTAL | \$2,221,100.44 | \$13,050.00 | \$2,234,150.44 | \$2,546,100.25 | \$311,949.81 |

PV Analysis Summary (Net to Net)

| Gross PV Debt Service Savings | $247,012.49$ |
| :--- | ---: |
| Effects of changes in Expenses | $(8,458.96)$ |
| Net PV Cashflow Savings @ $3.247 \%$ (AIC) | $238,553.53$ |
| Transfers from Prior Issue Debt Service Fund | $(78,689.13)$ |
| Contingency or Rounding Amount | $3,898.85$ |
| Net Benefit | $237,159.53$ |
|  |  |
| Net Present Value Benefit | $\$ 163,763.25$ |
| Net PV Benefit / \$1,666,800 Refunded Principal | $9.825 \%$ |
| Net PV Benefit/ \$1,570,000 Refunding Principal | $10.431 \%$ |
| Refunding Bond Information |  |
| Refunding Dated Date | $7 / 02 / 2020$ |
| Refunding Delivery Date | $7 / 02 / 2020$ |
| Cumberland Co WD / SINGLE PURPOSE \| 5/18/2020 | 12:42 PM |  |

## EXHIBIT D

## Prior Bonds Debt Service

## Cumberland County Water District

Series 1995 A 91-02

## Debt Service To Maturity And To Call

| Date | Refunded <br> Bonds | Refunded <br> Interest | D/S To <br> Call | Principal | Coupon | Interest | Refunded <br> D/S |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $07 / 02 / 2020$ | $93,000.00$ | $2,337.92$ | $95,337.92$ | - | - | - | - |
| $01 / 01 / 2021$ | - | - | - | $16,800.00$ | $5.000 \%$ | $4,650.00$ | $21,450.00$ |
| $01 / 1 / 1 / 2022$ | - | - | - | $17,700.00$ | $5.000 \%$ | $3,810.00$ | $21,510.00$ |
| $01 / 1 / 2023$ | - | - | - | $18,500.00$ | $5.000 \%$ | $2,925.00$ | $21,425.00$ |
| $01 / 01 / 2024$ | - | - | - | $19,500.00$ | $5.000 \%$ | $2,000.00$ | $21,500.00$ |
| $01 / 01 / 2025$ | - | - | - | $20,500.00$ | $5.000 \%$ | $1,025.00$ | $21,525.00$ |
| Total | $\$ 93,000.00$ | $\$ 2,337.92$ | $\$ 95,337.92$ | $\$ 93,000.00$ | - | $\$ 14,410.00$ | $\$ \mathbf{1 0 7 , 4 1 0 . 0 0}$ |

Yield Statistics

| Base date for Avg. Life \& Avg. Coupon Calculation | $7 / 02 / 2020$ |
| :--- | ---: |
| Average Life | 2.596 Years |
| Average Coupon | $4.9999986 \%$ |
| Weighted Average Maturity (Par Basis) | 2.596 Years |
| Weighted Average Maturity (Original Price Basis) | 2.596 Years |

## Refunding Bond Information

| Refunding Dated Date | 7/02/2020 |
| :--- | :---: |
| Refunding Delivery Date | $7 / 02 / 2020$ |

## Cumberland County Water District

Series 91-04

## Debt Service To Maturity And To Call

| Date | Refunded Bonds | Refunded Interest | D/S To Call | Principal | Coupon | Interest | Refunded D/S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 07/02/2020 | 34,000.00 | 854.72 | 34,854.72 | - |  | - |  |
| 01/01/2021 | - | - | - | 3,000.00 | 5.000\% | 1,700.00 | 4,700.00 |
| 01/01/2022 | - | - | - | 3,000.00 | 5.000\% | 1,550.00 | 4,550.00 |
| 01/01/2023 | - | - | - | 3,000.00 | 5.000\% | 1,400.00 | 4,400.00 |
| 01/01/2024 | - | - | - | 3,000.00 | 5.000\% | 1,250.00 | 4,250.00 |
| 01/01/2025 | - | - | - | 3,000.00 | 5.000\% | 1,100.00 | 4,100.00 |
| 01/01/2026 | - | - | - | 3,000.00 | 5.000\% | 950.00 | 3,950.00 |
| 01/01/2027 | - | - | - | 4,000.00 | 5.000\% | 800.00 | 4,800.00 |
| 01/01/2028 | - | - | - | 4,000.00 | 5.000\% | 600.00 | 4,600.00 |
| 01/01/2029 | - | - | - | 4,000.00 | 5.000\% | 400.00 | 4,400.00 |
| 01/01/2030 | - | - | - | 4,000.00 | 5.000\% | 200.00 | 4,200.00 |
| Total | \$34,000.00 | \$854.72 | \$34,854.72 | \$34,000.00 | - | \$9,950.00 | \$43,950.00 |

Yield Statistics

| Base date for Avg. Life \& Avg. Coupon Calculation | $7 / 02 / 2020$ |
| :--- | ---: |
| Average Life | 5.350 Years |
| Average Coupon | $5.0000012 \%$ |
| Weighted Average Maturity (Par Basis) | 5.350 Years |
| Weighted Average Maturity (Original Price Basis) | 5.350 Years |
| Refunding Bond Information |  |


| Refunding Dated Date | 7/02/2020 |
| :--- | :--- |
| Refunding Delivery Date | $7 / 02 / 2020$ |

Preliminary
\$103,000

## Cumberland County Water District

91-08

## Debt Service To Maturity And To Call

| Date | Refunded <br> Bonds | Refunded <br> Interest | D/S To Call | Principal | Coupon | Interest | Refunded <br> D/S |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $07 / 02 / 2020$ | $103,000.00$ | $2,589.31$ | $105,589.31$ | - | - | - | - |
| $01 / 01 / 2021$ | - | - | - | $15,000.00$ | $5.000 \%$ | $5,150.00$ | $20,150.00$ |
| $01 / 101 / 2022$ | - | - | - | $16,000.00$ | $5.000 \%$ | $4,400.00$ | $20,400.00$ |
| $01 / 1 / 2023$ | - | - | - | $17,000.00$ | $5.000 \%$ | $3,600.00$ | $20,600.00$ |
| $01 / 01 / 2024$ | - | - | - | $18,000.00$ | $5.000 \%$ | $2,750.00$ | $20,750.00$ |
| $01 / 01 / 2025$ | - | - | - | $18,000.00$ | $5.000 \%$ | $1,850.00$ | $19,850.00$ |
| $01 / 01 / 2026$ | - | - | - | $19,000.00$ | $5.000 \%$ | 950.00 | $19,950.00$ |
| Total | $\$ 103,000.00$ | $\$ 2,589.31$ | $\$ 105,589.31$ | $\$ 103,000.00$ | - | $\$ 18,700.00$ | $\$ 121,700.00$ |

Yield Statistics

| Base date for Avg. Life \& Avg. Coupon Calculation | $7 / 02 / 2020$ |
| :--- | ---: |
| Average Life | 3.128 Years |
| Average Coupon | $4.9999986 \%$ |
| Weighted Average Maturity (Par Basis) | 3.128 Years |
| Weighted Average Maturity (Original Price Basis) | 3.128 Years |
|  |  |
| Refunding Bond Information | $7 / 02 / 2020$ |
|  | $7 / 02 / 2020$ |
| Refunding Dated Date |  |
| Refunding Delivery Date |  |

## Debt Service To Maturity And To Call

| Date | Refunded <br> Bonds | Refunded <br> Interest | D/S To <br> Call | Principal | Coupon | Interest | Refunded <br> D/S |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $07 / 02 / 2020$ | $40,000.00$ | $1,005.56$ | $41,005.56$ | - | - | - | - |
| $01 / 01 / 2021$ | - | - | - | $5,000.00$ | $5.000 \%$ | $2,000.00$ | $7,000.00$ |
| $01 / 01 / 2022$ | - | - | - | $5,000.00$ | $5.000 \%$ | $1,750.00$ | $6,750.00$ |
| $01 / 01 / 2023$ | - | - | - | $5,000.00$ | $5.000 \%$ | $1,500.00$ | $6,500.00$ |
| $01 / 01 / 2024$ | - | - | - | $6,000.00$ | $5.000 \%$ | $1,250.00$ | $7,250.00$ |
| $01 / 01 / 2025$ | - | - | - | $6,000.00$ | $5.000 \%$ | 950.00 | $6,950.00$ |
| $01 / 01 / 2026$ | - | - | - | $6,000.00$ | $5.000 \%$ | 650.00 | $6,650.00$ |
| $01 / 01 / 2027$ | - | - | - | $7,000.00$ | $5.000 \%$ | 350.00 | $7,350.00$ |
| Total | $\$ 40,000.00$ | $\$ 1,005.56$ | $\$ 41,005.56$ | $\$ 40,000.00$ | - | $\$ 8,450.00$ | $\$ 48,450.00$ |

Yield Statistics

| Base date for Avg. Life \& Avg. Coupon Calculation | $7 / 02 / 2020$ |
| :--- | ---: |
| Average Life | 3.722 Years |
| Average Coupon | $4.9999970 \%$ |
| Weighted Average Maturity (Par Basis) | 3.722 Years |
| Weighted Average Maturity (Original Price Basis) | 3.722 Years |
| Refunding Bond Information |  |
|  | $7 / 02 / 2020$ |
| Refunding Dated Date | $7 / 02 / 2020$ |

Cumberland County Water District
91-12

## Debt Service To Maturity And To Call

| Date | Refunded <br> Bonds | Refunded <br> Interest | D/S To <br> Call | Principal | Coupon | Interest | Refunded <br> D/S |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $07 / 02 / 2020$ | $\mathbf{3 5 , 2 0 0 . 0 0}$ | 884.89 | $36,084.89$ |  | - | - | - |
| $01 / 01 / 2021$ | - | - | - | $3,700.00$ | $5.000 \%$ | $1,760.00$ | $5,460.00$ |
| $01 / 01 / 2022$ | - | - | - | $3,900.00$ | $5.000 \%$ | $1,575.00$ | $5,475.00$ |
| $01 / 01 / 2023$ | - | - | - | $4,000.00$ | $5.000 \%$ | $1,380.00$ | $5,380.00$ |
| $01 / 01 / 2024$ | - | - | - | $4,300.00$ | $5.000 \%$ | $1,180.00$ | $5,480.00$ |
| $01 / 01 / 2025$ | - | - | - | $4,500.00$ | $5.000 \%$ | 965.00 | $5,465.00$ |
| $01 / 01 / 2026$ | - | - | - | $4,700.00$ | $5.000 \%$ | 740.00 | $5,440.00$ |
| $01 / 01 / 2027$ | - | - | - | $4,900.00$ | $5.000 \%$ | 505.00 | $5,405.00$ |
| $01 / 01 / 2028$ | - | - | - | $5,200.00$ | $5.000 \%$ | 260.00 | $5,460.00$ |
| Total | $\mathbf{\$ 3 5 , 2 0 0 . 0 0}$ | $\$ 884.89$ | $\mathbf{\$ 3 6 , 0 8 4 . 8 9}$ | $\mathbf{\$ 3 5 , 2 0 0 . 0 0}$ | - | $\$ 8,365.00$ | $\$ 43,565.00$ |

Yield Statistics

| Base date for Avg. Life \& Avg. Coupon Calculation | $7 / 02 / 2020$ |
| :--- | ---: |
| Average Life | 4.250 Years |
| Average Coupon | $4.9999993 \%$ |
| Weighted Average Maturity (Par Basis) | 4.250 Years |
| Weighted Average Maturity (Original Price Basis) | 4.250 Years |
| Refunding Bond Information |  |
| Refunding Dated Date | $7 / 02 / 2020$ |
| Refunding Delivery Date | $7 / 02 / 2020$ |

## Cumberland County Water District

Series 91-14

## Debt Service To Maturity And To Call

| Date | Refunded <br> Bonds | Refunded <br> Interest | D/S To <br> Call | Principal | Coupon | Interest | Refunded <br> D/S |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $07 / 02 / 2020$ | $86,500.00$ | $1,957.06$ | $88,457.06$ | - | - | - | - |
| $01 / 01 / 2021$ | - | - | - | $4,000.00$ | $4.500 \%$ | $3,892.50$ | $7,892.50$ |
| $01 / 01 / 2022$ | - | - | - | $4,500.00$ | $4.500 \%$ | $3,712.50$ | $8,212.50$ |
| $01 / 01 / 2023$ | - | - | - | $4,500.00$ | $4.500 \%$ | $3,510.00$ | $8,010.00$ |
| $01 / 01 / 2024$ | - | - | - | $5,000.00$ | $4.500 \%$ | $3,307.50$ | $8,307.50$ |
| $01 / 01 / 2025$ | - | - | - | $5,000.00$ | $4.500 \%$ | $3,082.50$ | $8,082.50$ |
| $01 / 01 / 2026$ | - | - | - | $5,000.00$ | $4.500 \%$ | $2,857.50$ | $7,857.50$ |
| $01 / 01 / 2027$ | - | - | - | $5,500.00$ | $4.500 \%$ | $2,632.50$ | $8,132.50$ |
| $01 / 01 / 2028$ | - | - | - | $5,500.00$ | $4.500 \%$ | $2,385.00$ | $7,885.00$ |
| $01 / 01 / 2029$ | - | - | - | $6,000.00$ | $4.500 \%$ | $2,137.50$ | $8,137.50$ |
| $01 / 01 / 2030$ | - | - | - | $6,000.00$ | $4.500 \%$ | $1,867.50$ | $7,867.50$ |
| $01 / 01 / 2031$ | - | - | - | $6,500.00$ | $4.500 \%$ | $1,597.50$ | $8,097.50$ |
| $01 / 01 / 2032$ | - | - | - | $7,000.00$ | $4.500 \%$ | $1,305.00$ | $8,305.00$ |
| $01 / 01 / 2033$ | - | - | - | $7,000.00$ | $4.500 \%$ | 9900 | $7,990.00$ |
| $01 / 01 / 2034$ | - | - | - | $7,500.00$ | $4.500 \%$ | 675.00 | $8,175.00$ |
| $01 / 01 / 2035$ | - | - | $7,500.00$ | $4.500 \%$ | 337.50 | $7,837.50$ |  |
| Total | $\$ 86,500.00$ | $\$ 1,957.06$ | $\$ 88,457.06$ | $\$ 86,500.00$ |  | - | $\$ 34,290.00$ |

## Yield Statistics

| Base date for Avg. Life \& Avg. Coupon Calculation | $7 / 02 / 2020$ |
| :--- | ---: |
| Average Life | 8.306 Years |
| Average Coupon | $4.5000003 \%$ |
| Weighted Average Maturity (Par Basis) | 8.306 Years |
| Weighted Average Maturity (Original Price Basis) | 8.306 Years |
| Refunding Bond Information |  |


| Refunding Dated Date | 7/02/2020 |
| :--- | :--- |
| Refunding Delivery Date | $7 / 02 / 2020$ |

## \$78,200

## Cumberland County Water District

## Series 91-16

## Debt Service To Maturity And To Call

| Date | Refunded Bonds | Refunded Interest | D/S To Call | Principal | Coupon | Interest | Refunded D/S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 07/02/2020 | 78,200.00 | 1,769.28 | 79,969.28 |  |  |  |  |
| 01/01/2021 | - | - | - | 3,800.00 | 4.500\% | 3,519.00 | 7,319.00 |
| 01/01/2022 | - | - | - | 3,900.00 | 4.500\% | 3,348.00 | 7,248.00 |
| 01/01/2023 | - | - | - | 4,100.00 | 4.500\% | 3,172.50 | 7,272.50 |
| 01/01/2024 | - | - | - | 4,300.00 | 4.500\% | 2,988.00 | 7,288.00 |
| 01/01/2025 | - | - | - | 4,500.00 | 4.500\% | 2,794.50 | 7,294.50 |
| 01/01/2026 | - | - | - | 4,700.00 | 4.500\% | 2,592.00 | 7,292.00 |
| 01/01/2027 | - | - | - | 4,900.00 | 4.500\% | 2,380.50 | 7,280.50 |
| 01/01/2028 | - | - | - | 5,100.00 | 4.500\% | 2,160.00 | 7,260.00 |
| 01/01/2029 | - | - | - | 5,300.00 | 4.500\% | 1,930.50 | 7,230.50 |
| 01/01/2030 | - | - | - | 5,600.00 | 4.500\% | 1,692.00 | 7,292.00 |
| 01/01/2031 | - | - | - | 5,800.00 | 4.500\% | 1,440.00 | 7,240.00 |
| 01/01/2032 | - | - | - | 6,100.00 | 4.500\% | 1,179.00 | 7,279.00 |
| 01/01/2033 | - | - |  | 6,400.00 | 4.500\% | 904.50 | 7,304.50 |
| 01/01/2034 | - | - | - | 6,700.00 | 4.500\% | 616.50 | 7,316.50 |
| 01/01/2035 | - | - | - | 7,000.00 | 4.500\% | 315.00 | 7,315.00 |
| Total | \$78,200.00 | \$1,769.28 | \$79,969.28 | \$78,200.00 | - | \$31,032.00 | \$109,232.00 |

Yield Statistics

| Base date for Avg. Life \& Avg. Coupon Calculation | $7 / 02 / 2020$ |
| :--- | ---: |
| Average Life | 8.316 Years |
| Average Coupon | $4.5000008 \%$ |
| Weighted Average Maturity (Par Basis) | 8.316 Years |
| Weighted Average Maturity (Original Price Basis) | 8.316 Years |

## Refunding Bond Information

| Refunding Dated Date | 7/02/2020 |
| :--- | :--- |
| Refunding Delivery Date | $7 / 02 / 2020$ |

## Debt Service To Maturity And To Call

| Date | Refunded <br> Bonds | Refunded <br> Interest | D/S To Call | Principal | Coupon | Interest | Refunded <br> D/S |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $07 / 02 / 2020$ | $157,900.00$ | $3,572.49$ | $161,472.49$ | - | - | - | - |
| $01 / 01 / 2021$ | - | - | - | $6,900.00$ | $4.500 \%$ | $7,105.50$ | $14,005.50$ |
| $01 / 01 / 2022$ | - | - | - | $7,300.00$ | $4.500 \%$ | $6,795.00$ | $14,095.00$ |
| $01 / 01 / 2023$ | - | - | - | $7,600.00$ | $4.500 \%$ | $6,466.50$ | $14,066.50$ |
| $01 / 01 / 2024$ | - | - | - | $7,900.00$ | $4.500 \%$ | $6,124.50$ | $14,024.50$ |
| $01 / 01 / 2025$ | - | - | - | $8,300.00$ | $4.500 \%$ | $5,769.00$ | $14,069.00$ |
| $01 / 01 / 2026$ | - | - | - | $8,700.00$ | $4.500 \%$ | $5,395.50$ | $14,095.50$ |
| $01 / 01 / 2027$ | - | - | - | $9,000.00$ | $4.500 \%$ | $5,004.00$ | $14,004.00$ |
| $01 / 01 / 2028$ | - | - | - | $9,500.00$ | $4.500 \%$ | $4,599.00$ | $14,099.00$ |
| $01 / 01 / 2029$ | - | - | - | $9,900.00$ | $4.500 \%$ | $4,171.50$ | $14,071.50$ |
| $01 / 01 / 2030$ | - | - | - | $10,300.00$ | $4.500 \%$ | $3,726.00$ | $14,026.00$ |
| $01 / 01 / 2031$ | - | - | - | $10,800.00$ | $4.500 \%$ | $3,262.50$ | $14,062.50$ |
| $01 / 01 / 2032$ | - | - | - | $11,300.00$ | $4.500 \%$ | $2,776.50$ | $14,076.50$ |
| $01 / 01 / 2033$ | - | - | - | $11,800.00$ | $4.500 \%$ | $2,268.00$ | $14,068.00$ |
| $01 / 01 / 2034$ | - | - | - | $12,300.00$ | $4.500 \%$ | $1,737.00$ | $14,037.00$ |
| $01 / 01 / 2035$ | - | - | - | $12,900.00$ | $4.500 \%$ | $1,183.50$ | $14,083.50$ |
| $01 / 01 / 2036$ |  | - | - | $13,400.00$ | $4.500 \%$ | 603.00 | $14,003.00$ |
| Total | $\$ 157,900.00$ | $\$ 3,572.49$ | $\$ 161,472.49$ | $\$ 157,900.00$ | - | $\$ 66,987.00$ | $\$ 224,887.00$ |

Yield Statistics

| Base date for Avg. Life \& Avg. Coupon Calculation | $7 / 02 / 2020$ |
| :--- | ---: |
| Average Life | 8.925 Years |
| Average Coupon | $4.4999998 \%$ |
| Weighted Average Maturity (Par Basis) | 8.925 Years |
| Weighted Average Maturity (Original Price Basis) | 8.925 Years |
| Refunding Bond Information |  |


| Refunding Dated Date | $7 / 02 / 2020$ |
| :--- | :--- |
| Refunding Delivery Date | $7 / 02 / 2020$ |

## Cumberland County Water District

Series 91-19

## Debt Service To Maturity And To Call

| Date | Refunded Bonds | Refunded Interest | D/S To Call | Principal | Coupon | Interest | Refunded D/S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 07/02/2020 | 297,500.00 | 6,730.94 | 304,230.94 | - |  | - | - |
| 01/01/2021 | - | - | - | 9,000.00 | 4.500\% | 13,387.50 | 22,387.50 |
| 01/01/2022 | - | - | - | 9,000.00 | 4.500\% | 12,982.50 | 21,982.50 |
| 01/01/2023 | - | - | - | 9,500.00 | 4.500\% | 12,577.50 | 22,077.50 |
| 01/01/2024 | - | - | - | 10,000.00 | 4.500\% | 12,150.00 | 22,150.00 |
| 01/01/2025 | - | - | - | 10,500.00 | 4.500\% | 11,700.00 | 22,200.00 |
| 01/01/2026 | - | - | - | 11,000.00 | 4.500\% | 11,227.50 | 22,227.50 |
| 01/01/2027 | - | - | - | 11,500.00 | 4.500\% | 10,732.50 | 22,232.50 |
| 01/01/2028 | - | - | - | 12,000.00 | 4.500\% | 10,215.00 | 22,215.00 |
| 01/01/2029 | - | - | - | 12,500.00 | 4.500\% | 9,675.00 | 22,175.00 |
| 01/01/2030 | - | - | - | 13,000.00 | 4.500\% | 9,112.50 | 22,112.50 |
| 01/01/2031 | - | - | - | 13,500.00 | 4.500\% | 8,527.50 | 22,027.50 |
| 01/01/2032 | - | - | - | 14,500.00 | 4.500\% | 7,920.00 | 22,420.00 |
| 01/01/2033 | - | - | - | 15,000.00 | 4.500\% | 7,267.50 | 22,267.50 |
| 01/01/2034 | - | - | - | 15,500.00 | 4.500\% | 6,592.50 | 22,092.50 |
| 01/01/2035 | - | - | - | 16,500.00 | 4.500\% | 5,895.00 | 22,395.00 |
| 01/01/2036 | - | - | - | 17,000.00 | 4.500\% | 5,152.50 | 22,152.50 |
| 01/01/2037 | - | - | - | 18,000.00 | 4.500\% | 4,387.50 | 22,387.50 |
| 01/01/2038 | - | - | - | 18,500.00 | 4.500\% | 3,577.50 | 22,077.50 |
| 01/01/2039 | - | - | - | 19,500.00 | 4.500\% | 2,745.00 | 22,245.00 |
| 01/01/2040 | - | - | - | 20,500.00 | 4.500\% | 1,867.50 | 22,367.50 |
| 01/01/2041 | - | - | - | 21,000.00 | 4.500\% | 945.00 | 21,945.00 |
| Total | \$297,500.00 | \$6,730.94 | \$304,230.94 | \$297,500.00 | - | \$168,637.50 | \$466,137.50 |

## Yield Statistics

| Base date for Avg. Life \& Avg. Coupon Calculation | $7 / 02 / 2020$ |
| :--- | ---: |
| Average Life | 12.094 Years |
| Average Coupon | $4.4999999 \%$ |
| Weighted Average Maturity (Par Basis) | 12.094 Years |
| Weighted Average Maturity (Original Price Basis) | 12.094 Years |
| Refunding Bond Information |  |
| Refunding Dated Date | $7 / 02 / 2020$ |
| Refunding Delivery Date | $7 / 02 / 2020$ |

## Cumberland County Water District

Series 91-24

## Debt Service To Maturity And To Call

| Date | Refunded Bonds | Refunded Interest | D/S To Call | Principal | Coupon | Interest | Refunded D/S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 07/02/2020 | 375,500.00 | 8,023.70 | 383,523.70 | - | - | - |  |
| 01/01/2021 | - | - | - | 8,500.00 | 4.250\% | 15,958.75 | 24,458.75 |
| 01/01/2022 | - | - | - | 9,000.00 | 4.250\% | 15,597.50 | 24,597.50 |
| 01/01/2023 | - | - | - | 9,500.00 | 4.250\% | 15,215.00 | 24,715.00 |
| 01/01/2024 | - | - | - | 10,000.00 | 4.250\% | 14,811.25 | 24,811.25 |
| 01/01/2025 | - | - |  | 10,500.00 | 4.250\% | 14,386.25 | 24,886.25 |
| 01/01/2026 | - | - | - | 11,000.00 | 4.250\% | 13,940.00 | 24,940.00 |
| 01/01/2027 | - | - | - | 11,000.00 | 4.250\% | 13,472.50 | 24,472.50 |
| 01/01/2028 | - | - | - | 11,500.00 | 4.250\% | 13,005.00 | 24,505.00 |
| 01/01/2029 | - | - | - | 12,000.00 | 4.250\% | 12,516.25 | 24,516.25 |
| 01/01/2030 | - | - | - | 12,500.00 | 4.250\% | 12,006.25 | 24,506.25 |
| 01/01/2031 | - | - | - | 13,000.00 | 4.250\% | 11,475.00 | 24,475.00 |
| 01/01/2032 | - | - | - | 14,000.00 | 4.250\% | 10,922.50 | 24,922.50 |
| 01/01/2033 | - | - | - | 14,500.00 | 4.250\% | 10,327.50 | 24,827.50 |
| 01/01/2034 | - | - | - | 15.000.00 | 4.250\% | 9,711.25 | 24,711.25 |
| 01/01/2035 | - | - | - | 15,500.00 | 4.250\% | 9,073.75 | 24,573.75 |
| 01/01/2036 | - | - | - | 16,500.00 | 4.250\% | 8,415.00 | 24,915.00 |
| 01/01/2037 | - | - | - | 17,000.00 | 4.250\% | 7,713.75 | 24,713.75 |
| 01/01/2038 | - | . | - | 17,500.00 | 4.250\% | 6,991.25 | 24,491.25 |
| 01/01/2039 | - | - | - | 18,500.00 | 4.250\% | 6,247.50 | 24,747.50 |
| 01/01/2040 | - | - | - | 19,500.00 | 4.250\% | 5,461.25 | 24,961.25 |
| 01/01/2041 | - | - | - | 20,000.00 | 4.250\% | 4,632.50 | 24,632.50 |
| 01/01/2042 | - | - | - | 21,000.00 | 4.250\% | 3,782.50 | 24,782.50 |
| 01/01/2043 | - | - | - | 22,000.00 | 4.250\% | 2,890.00 | 24,890.00 |
| 01/01/2044 | - | - | - | 22,500.00 | 4.250\% | 1,955.00 | 24,455.00 |
| 01/01/2045 | - | - | - | 23,500.00 | 4.250\% | 998.75 | 24,498.75 |
| Total | \$375,500.00 | \$8,023.70 | \$383,523.70 | \$375,500.00 | . | \$241,506.25 | \$617,006.25 |

Yield Statistics

| Base date for Avg. Life \& Avg. Coupon Calculation | $7 / 02 / 2020$ |
| :--- | ---: |
| Average Life | 14.630 Years |
| Average Coupon | $4.2500001 \%$ |
| Weighted Average Maturity (Par Basis) | 14.630 Years |
| Weighted Average Maturity (Original Price Basis) | 14.630 Years |
| Refunding Bond Information |  |
|  |  |
| Refunding Dated Date | $7 / 02 / 2020$ |
| Refunding Delivery Date | $7 / 02 / 2020$ |

Raymond James

## Cumberland County Water District

Series 91-26

## Debt Service To Maturity And To Call

| Date | Refunded Bonds | Refunded Interest | D/S To Call | Principal | Coupon | Interest | Refunded D/S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 07/02/2020 | 366,000.00 | 7,820.71 | 373,820.71 | - | - | - |  |
| 01/01/2021 | - | - | - | 7,000.00 | 4.250\% | 15,555.00 | 22,555.00 |
| 01/01/2022 | - | - | - | 7,000.00 | 4.250\% | 15,257.50 | 22,257.50 |
| 01/01/2023 | - | . | - | 7,000.00 | 4.250\% | 14,960.00 | 21,960.00 |
| 01/01/2024 | - | - | - | 8,000.00 | 4.250\% | 14,662.50 | 22,662.50 |
| 01/01/2025 | - | - | - | 8,000.00 | 4.250\% | 14,322.50 | 22,322.50 |
| 01/01/2026 | - | - | - | 8,000.00 | 4.250\% | 13,982.50 | 21,982.50 |
| 01/01/2027 | - | - | - | 9,000.00 | 4.250\% | 13,642.50 | 22,642.50 |
| 01/01/2028 | - | - | - | 9,000.00 | 4.250\% | 13,260.00 | 22,260.00 |
| 01/01/2029 | - | - | - | 9,000.00 | 4.250\% | 12,877.50 | 21,877.50 |
| 01/01/2030 | - | - | - | 10,000.00 | 4.250\% | 12,495.00 | 22,495.00 |
| 01/01/2031 | - | - | - | 10,000.00 | 4.250\% | 12,070.00 | 22,070.00 |
| 01/01/2032 | - | - | - | 10,000.00 | 4.250\% | 11,645.00 | 21,645.00 |
| 01/01/2033 | . | - | - | 11,000.00 | 4.250\% | 11,220.00 | 22,220.00 |
| 01/01/2034 | - | - | - | 11,000.00 | 4.250\% | 10,752.50 | 21,752.50 |
| 01/01/2035 | - | - | - | 12,000.00 | 4.250\% | 10,285.00 | 22,285.00 |
| 01/01/2036 | - | - | - | 12,000.00 | 4.250\% | 9,775.00 | 21,775.00 |
| 01/01/2037 | - | - | - | 13,000.00 | 4.250\% | 9,265.00 | 22,265.00 |
| 01/01/2038 | - | - | - | 13,000.00 | 4.250\% | 8,712.50 | 21,712.50 |
| 01/01/2039 | - | - | - | 14,000.00 | 4.250\% | 8,160.00 | 22,160.00 |
| 01/01/2040 | - | - | - | 15,000.00 | 4.250\% | 7,565.00 | 22,565.00 |
| 01/01/2041 | - | - | - | 15,000.00 | 4.250\% | 6,927.50 | 21,927.50 |
| 01/01/2042 | - | - | - | 16,000.00 | 4.250\% | 6,290.00 | 22,290.00 |
| 01/01/2043 | - | - | - | 17,000.00 | 4.250\% | 5,610.00 | 22,610.00 |
| 01/01/2044 | - | - | - | 17,000.00 | 4.250\% | 4,887.50 | 21,887.50 |
| 01/01/2045 | - | - | - | 18,000.00 | 4.250\% | 4,165.00 | 22,165.00 |
| 01/01/2046 | - | - | - | 19,000.00 | 4.250\% | 3,400.00 | 22,400.00 |
| 01/01/2047 | - | - | - | 20,000.00 | 4.250\% | 2,592.50 | 22,592.50 |
| 01/01/2048 | - | - | - | 20,000.00 | 4.250\% | 1,742.50 | 21,742.50 |
| 01/01/2049 | - | - | - | 21,000.00 | 4.250\% | 892.50 | 21,892.50 |
| Total | \$366,000.00 | \$7,820.71 | \$373,820.71 | \$366,000.00 | . | \$276,972.50 | \$642,972.50 |

Yield Statistics

| Base date for Avg. Life \& Avg. Coupon Calculation | $7 / 02 / 2020$ |
| :--- | ---: |
| Average Life | 17.303 Years |
| Average Coupon | $4.2500000 \%$ |
| Weighted Average Maturity (Par Basis) | 17.303 Years |
| Weighted Average Maturity (Original Price Basis) | 17.303 Years |
| Refunding Bond Information |  |
|  |  |
| Refunding Dated Date | $7 / 02 / 2020$ |
| Refunding Delivery Date | $7 / 02 / 2020$ |

Raymond James

## EXHIBIT E

## Financial Statements

## Cumberland County Water District Statements of Net Position December 31, 2019 and 2018

| Assets | $\underline{2019}$ |  | $\underline{2018}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| Current Assets |  |  |  |  |
| Cash and cash equivalents | \$ | 169,242 | \$ | 80,034 |
| Receivable, less allowance for doubtful |  |  |  |  |
| Unbilled accounts receivable |  | 49,114 |  | 43,557 |
| Inventories |  | 48,730 |  | 47,486 |
| Prepaid expenses |  | 7,323 |  | 8,997 |
| Total Current Assets |  | 365,175 |  | 280,855 |
| Noncurrent Assets |  |  |  |  |
| Restricted Assets |  |  |  |  |
| Customer deposits |  | 13,287 |  | 10,650 |
| Depreciation reserves |  | 297,437 |  | 231,832 |
| Debt and interest funds |  | 154,969 |  | 272,821 |
| Total Restricted Assets |  | 465,693 |  | 515,303 |
| Capital Assets |  |  |  |  |
| Land and improvements |  | 55,313 |  | 55,313 |
| Buildings and improvements |  | 233,837 |  | 204,437 |
| Equipment |  | 341,500 |  | 341,500 |
| Other water system assets |  | 10,421,775 |  | 0,421,775 |
| Transportation |  | 314,373 |  | 298,973 |
| Office furniture and equipment |  | 62,445 |  | 62,445 |
| Construction in progress |  | 149,244 |  | - |
| Less: accumulated depreciation |  | $(4,263,541)$ |  | $(3,937,482)$ |
| Net Capital Assets |  | 7,314,946 |  | 7,446,961 |
| Total Noncurrent Assets |  | 7,780,639 |  | 7,962,264 |
| Total Assets |  | 8,145,814 | \$ | 8,243,119 |


|  |  | $\underline{2019}$ |  | 2018 |
| :---: | :---: | :---: | :---: | :---: |
| Liabilities |  |  |  |  |
| Current Liabilities |  |  |  |  |
| Current portion of long-term debt | \$ | 165,833 | \$ | 160,718 |
| Accounts payable |  | 75,702 |  | 19,826 |
| Accrued interest payable |  | 78,360 |  | 78,910 |
| Accrued salaries and taxes payable |  | 42,366 |  | 23,325 |
| Customer deposits |  | 33,030 |  | 32,105 |
| Other liabilities |  | 66,258 |  | - |
| Total Current Liabilities |  | 461,549 |  | 314,884 |
| Noncurrent Assets |  |  |  |  |
| Long-term debt, less current portion |  |  |  |  |
| Total Noncurrent Liabilities |  | 4,514,108 |  | 4,613,681 |
| Total Liabilities |  | 4,975,657 |  | 4,928,565 |
| Net Position |  |  |  |  |
| Net investment in capital assets |  | 2,635,005 |  | 2,672,562 |
| Restricted |  | 465,693 |  | 515,303 |
| Unrestricted |  | 69,459 |  | 126,689 |
| Total Net Position | \$ | 3,170,157 | \$ | 3,314,554 |

Cumberland County Water District
Statements of Revenues, Expenses and Changes in Net Position
For the Years Ended December 31, 2019 and 2018

|  | $\underline{2019}$ |  | $\underline{2018}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| Operating Revenues |  |  |  |  |
| Water sales | \$ | 1,325,236 | \$ | 1,314,106 |
| Service charges |  | 18,889 |  | 19,535 |
| Other revenues |  | 77,991 |  | 48,210 |
| Total Operating Revenues |  | 1,422,116 |  | 1,381,851 |
| Operating Expenses |  |  |  |  |
| Salaries and wages |  | 321,836 |  | 305,582 |
| Employee benefits |  | 74,077 |  | 76,904 |
| Purchased water |  | 445,581 |  | 404,087 |
| Utilities |  | 58,359 |  | 58,025 |
| Materials and supplies |  | 112,404 |  | 113,942 |
| Contracted services |  | 34,387 |  | 26,681 |
| Vehicle and equipment expenses |  | 37,806 |  | 34,541 |
| Insurance |  | 24,099 |  | 25,064 |
| Office expenses |  | 53,782 |  | 33,507 |
| Directors fees |  | 9,350 |  | 10,950 |
| Bad debt expense, net of recoveries |  | - |  | 2,373 |
| Depreciation |  | 326,059 |  | 312,726 |
| Other operating expenses |  | 10,641 |  | 6,959 |
| Total Operating Expenses |  | 1,508,381 |  | 1,411,341 |
| Operating Income (Loss) |  | $(86,265)$ |  | $(29,490)$ |
| Non-operating Revenues (Expenses) |  |  |  |  |
| Interest income |  | 3,851 |  | 3,578 |
| Grant revenue |  | 72,273 |  | 227,727 |
| Interest expense |  | $(134,256)$ |  | $(130,372)$ |
| Total Non-operating Revenues (Expenses) |  | $(58,132)$ |  | 100,933 |
| Change in Net Position |  | $(144,397)$ |  | 71,443 |
| Net Position, Beginning of Year |  | 3,314,554 |  | 3,243,111 |
| Net Position, End of Year | \$ | 3,170,157 | \$ | 3,314,554 |

## Cumberland County Water District <br> Statements of Cash Flows

For the Years Ended December 31, 2019 and 2018

| Cash Flows From Operating Activities $\underline{\underline{2019}}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| Receipts from customers | \$ | 1,427,499 | \$ | 1,323,811 |
| Payments to employees |  | $(302,795)$ |  | $(300,519)$ |
| Payments to suppliers |  | $(794,830)$ |  | $(849,585)$ |
| Payments for other activities |  | $(9,350)$ |  | $(10,950)$ |
| Net Cash Provided by Operating Activities |  | 320,524 |  | 162,757 |
| Cash Flows From Capital and Related Financing Activities |  |  |  |  |
| Purchases of property, plant and equipment |  | $(127,786)$ |  | $(943,212)$ |
| Principal payments on debt |  | $(160,716)$ |  | $(149,806)$ |
| Interest payments on debt |  | $(134,806)$ |  | $(130,546)$ |
| Proceeds from debt |  | 66,258 |  | 700,000 |
| Grants |  | 72,273 |  | 227,727 |
| Net Cash Used by Capital and Related Financing Activities |  | $(284,777)$ |  | $(295,837)$ |
| Cash Flows From Investing Activities |  |  |  |  |
| Interest income |  | 3,851 |  | 3,578 |
| Net Cash Provided by Investing Activities |  | 3,851 |  | 3,578 |
| Net Increase (Decrease) in Cash and Cash Equivalents |  | 39,598 |  | $(129,502)$ |
| Cash and Cash Equivalents at Beginning of Year |  | 595,337 |  | 724,839 |
| Cash and Cash Equivalents at End of Year | \$ | 634,935 | \$ | 595,337 |
| Reconciliation of cash per Statement of Net Position to cash per Statement of Cash Flows: |  |  |  |  |
| Cash and cash equivalents | \$ | 169,242 | \$ | 80,034 |
| Customer deposits |  | 13,287 |  | 10,650 |
| Depreciation reserves |  | 297,437 |  | 231,832 |
| Debt and interest funds |  | 154,969 |  | 272,821 |
| Cash and cash equivalents per Statement of Cash Flows | \$ | 634,935 | \$ | 595,337 |

Cumberland County Water District
Statements of Cash Flows (Continued)
For the Years Ended December 31, 2019 and 2018


## EXHIBIT F

## Notification to State Local Debt Officer

# Kentucky Home Trust Building, 450 South Third Street, Louisville, Kentucky 40202 -1410 <br> Telephone (502) 569.7525 Telefax (502) 569-7555 www.rubinhays.com 

Honorable Dennis Keene<br>Commissioner and State Local Debt Officer<br>100 Airport Road, Third Floor<br>Frankfort, Kentucky 40601

Re: Cumberland County Water District
Notice of Intent to Issue Securities

Dear Commissioner Keene:

Pursuant to the regulations of the Kentucky Public Service Commission, specifically 807 KAR 5:001: Section 18(1)(g), please be advised that the Cumberland County Water District (the "District") hereby notifies the State Local Debt Officer that the District intends on issuing securities in the form of a loan from the Kentucky Rural Water Finance Corporation ("KRWFC") for the purpose of refinancing certain outstanding indebtedness of the District in order to achieve substantial interest cost savings for the District.

We will file the appropriate documents with your office in accordance with the requirements of KRS 65.117 once the securities are issued.

WRJ:jlm
Very truly yours,
Rubin \& Hays


Enclosures

