



DADE COUNTY
WATER & SEWER
AUTHORITY
BOARD OF DIRECTORS

REGULAR MEETING

FEBRUARY 22, 2022

DADE COUNTY WATER AND SEWER AUTHORITY

REGULAR BOARD MEETING AGENDA

FEBRUARY 22, 2022 6:30 P.M.

MEETING ROOM: DADE COUNTY COMMISSION MEETING ROOM

1. Call to Order
 - a. Prayer and Pledge of Allegiance
 - b. Roll call
2. Approve minutes from previous meeting
3. Fiscal Matters
 - a. Monthly Financial Report
4. Appearances
5. Legal Matters
6. Old Business
 - a. USDA Project Update
7. New Business
 - a. 2021 Water Audit Report
8. Executive Session (if any)
9. Citizen Participation
10. Adjournment

MINUTES OF
DADE COUNTY WATER AND SEWER AUTHORITY

January 25, 2022

Members Present

Eddie Cantrell, Chairperson
Travis Daniel, Vice Chairperson
Daniel Glecier, II
Darrell Pardue
Allen Townsend

Members Absent

Others Present

Sherri Walker
Elizabeth Zeller
Julie Klotz, CPA

The regularly-scheduled monthly meeting of the Dade County Water and Sewer Authority ("Water Authority") was held at the Dade County Commission building at 6:30 p.m., on January 25, 2022. Chairperson Cantrell called the meeting to order and announced that the meeting was officially posted and legally advertised as required by the open meeting laws of the State of Georgia, and that a quorum of the members was present. Mr. Cantrell opened the meeting with prayer and the pledge of allegiance.

A roll call of board members was taken with attendance as noted in the table above.

The Chairperson, Eddie Cantrell, asked consent to amend the agenda for the first order of business. The amended agenda would include the appointment of officers for the New Year, and a new business regarding the Sells Ln property. A motion was made by Mr. Daniel to amend the agenda for new officers and Sells Lane Property. This motion was seconded by Mr. Pardue and all approved.

Mr. Glecier made a motion to approve the minutes of the December 2021 meeting. Mr. Pardue seconded the motion and all approved.

Financial Report

Mrs. Zeller presented the financial report. She reported that the December 2021 revenue was \$311,470.60 and expenses were \$78,073.82 for a net profit of \$233, 396.78. There were 11 new taps during the month. Mrs. Zeller gave the operational report, listing the work for all three departments for December. Mr. Pardue made a motion to approve the Financial Report, and the motion was seconded by Mr. Glecier and all approved.

Legal Matters

Chairperson, Eddie Cantrell informed the water board of the bylaws/charter, which state that the board is to elect a chairperson, vice-chairperson, and secretary-treasurer every year. Mr. Cantrell

was recommended by Travis Daniel to continue to serve as Chairperson of the Dade County Water and Sewer Authority Board, the motion was seconded by Mr. Pardue, and all approved. Mr. Cantrell moved to appoint Mr. Travis Daniel to be acting Vice-Chairperson/ Secretary-Treasurer, the motion was seconded by Mr. Glecier and all approved.

Appearances

Julie Klotz, of JHM Accounting, presented the Authority's annual audit report for 2021 to the board. At year end, Mrs. Klotz reported that the Authority's bond ratio was 1.35 without any audit deficiencies. Operating Revenue was up \$151,000.00 from prior year. Operating Expense only increased around \$240,000.00. Operating Income increasing from \$257,000. 00 prior year to \$385,000.00. Given the authority a good performance indicator at year end. Also, given the Authority a net income of \$239,000.00 at year-end. The increase was due to maintaining operating expenses and rate increase set by the board.

Old Business

Mrs. Sherri Walker, General Manager, updated the board on the USDA Project Contract #1- Water Main Upgrades- In the Hinkle area, all water mains are installed. MT. Olive Rd. still needs a negative Bac-T report from lab to be put in service and several service connections still pending due to cooper shortage. Creek Rd and Sarah Chapel water main upgrade is complete and old line no longer in service.

Contract #2- Meter Replacement Program is in progress. 1120 residential meters have been replaced of the 1152 received. With 3,000 meters on backorder arriving October 2022. Finishing residential meters and correcting identified issues. Large meter replacement starts the week of Monday January 24, 2022.

Contract #3- Pump Station Upgrades- Construction to begin Monday January 24, 2022.

Contract #4- Rehabilitation of Water Storage Tank- The Hooker Tank painting complete but still needs access road repaired. The Lookout Tank painting complete but still needs site restoration.

ECWAG- Construction completed. The old line is no longer in service. The property needs surface restoration work on east side of I-59 and gate to be installed with old fence removed.

New Business

General Manager, Sherri Walker reported that GEPD (Georgia Environmental Protection Division) requested drinking water systems to participate in a statewide PFAS Monitoring effort. On November 16, 2021, Dade County Water Authority submitted finished water samples to Georgia EPD laboratory for per- and polyfluoroalkyl substance (PFAS). On December 29, 2021, Georgia EPD laboratory completed their analyses and finalized a sampling report for these samples. The report shows that both PFOA and PFOS not detected in finished water for the Dade County Water Authority water system.

Chairman Cantrell recommended setting a deadline for the Dade County Commission to purchase Sells Lane. By Monday, March 7, 2022, the Dade County Commission will have time to decide whether they will purchase the water and sewer authority's interest in the property. The motion to send a letter of deadline to Dade County Commission was made by Mr. Glecier and motion seconded by Mr. Pardue and all approved.

Executive Session

There was no executive session.

There being no further business before the Water Authority Board, the Chair called for a motion to dismiss. Mr. Pardue made a motion to dismiss, and the motion was seconded by Mr. Daniel. The motion was passed unanimously, and the meeting was adjourned. The next regularly-scheduled meeting is set for February 22, 2022 at 6:30 p.m., in the Dade County Water Commission Building.

As recorded by:

Attested by:

Travis Daniel, Vice-Chairperson

Eddie Cantrell, Chairperson

DADE COUNTY WATER & SEWER AUTHORITY
Profit & Loss
January 2022

	<u>Jan 22</u>
Income	
402 · INCOME WATER RENTS	285,077.39
403 · INCOME-SEWER COLLECTION FEES	3,354.86
404 · INCOME/MISCELLANEOUS	5,707.10
405 · INTEREST INCOME	74.10
406 · TAP FEE INCOME	10,400.00
Total Income	<u>304,613.45</u>
Gross Profit	304,613.45
Expense	
501 · CREDIT CARD PROCESSING FEES	3,842.80
507 · ELECTRICITY EXPENSE	38,742.17
508 · EMPLOYEE BENEFITS	26,712.21
509 · INSURANCE	7,220.92
511 · INTEREST EXPENSE GEFA LOAN	2,864.44
512 · INTEREST PAYING CHARGE	39.00
513 · MATERIALS AND SUPPLIES	11,858.13
514 · CHEMICALS	18,395.21
515 · MISCELLANEOUS	805.47
516 · OFFICE EXPENSE AND POSTAGE	12,417.11
517 · INTEREST EXPENSE ON NRWA LOAN	115.45
519 · PROFESSIONAL FEES	4,440.00
520 · COMPUTER MAINTENANCE	10,320.00
522 · REPAIRS AND MAINTENANCE	3,301.08
523 · REPAIRS & MAINTENANCE - OFFICE	365.00
524 · SALARIES AND WAGES	67,664.43
525 · PAYROLL TAXES	5,176.34
526 · TELEPHONE	1,007.19
528 · LAWN EXPENSE	720.00
530 · EMPLOYEE UNIFORMS	503.89
535 · TRUCK EXPENSE	3,404.52
537 · SEWER EXPENSE	447.40
537.1 · CONTRACT LABOR SEWER	3,480.00
545 · JANITORIAL EXPENSE	300.00
546 · DUES AND SUBSCRIPTIONS	374.99
548 · MEALS AND ENTERTAINMENT	104.20
549 · WATER UTILITY EXPENSE	549.38
554 · WHEELAGE & TREATMENT CHARGES	2,271.51
REVENUE BOND SINKING FUND	48,221.98
Total Expense	<u>275,664.82</u>
Net Income	<u>28,948.63</u>

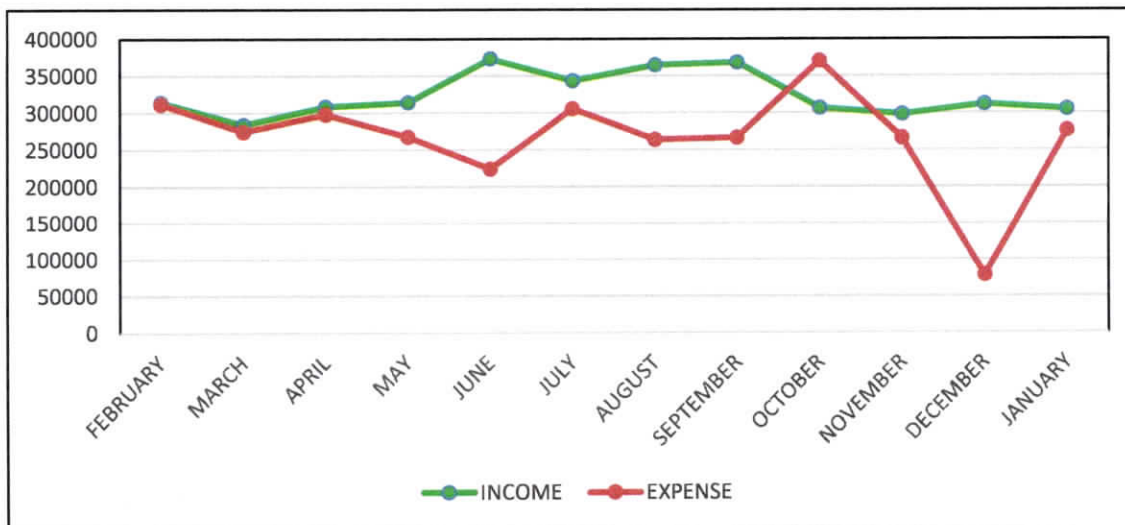


#New Taps= 8

January 2022	Current Month	Previous Month
Total accts 60 days and over	\$31,152.09	\$31,734.23
Total accts 90 days and over	\$9,161.53	\$10,769.82
Total Active Accounts	7,381	7,412
Total Water Services	8,480	8,472
Total gallons water billed	36.4	34.4
Total water pumped	71.0	69.1
Percentage of water loss	49%	50%

12 MONTH INCOME/EXPENSE

BILLING MONTH	PRIOR YEAR			CURRENT YEAR		
	PRIOR YEAR INCOME	PRIOR YEAR EXPENSE	PRIOR YEAR NET INCOME	INCOME	EXPENSE	NET INCOME
FEBRUARY	\$284,911.93	\$363,978.89	(\$79,066.96)	\$313,693.57	\$311,381.00	\$2,312.57
MARCH	\$269,475.63	\$267,754.99	\$1,720.64	\$283,758.09	\$274,217.60	\$9,540.49
APRIL	\$274,877.16	\$254,316.38	\$20,560.78	\$308,287.90	\$297,535.43	\$10,752.47
MAY	\$279,932.95	\$288,366.23	(\$8,433.28)	\$313,715.01	\$267,167.37	\$46,547.64
JUNE	\$314,256.63	\$324,848.86	(\$10,592.23)	\$372,731.13	\$223,712.56	\$149,018.57
JULY	\$288,642.78	\$245,666.19	\$42,976.59	\$342,993.69	\$304,911.47	\$38,082.22
AUGUST	\$338,779.36	\$255,507.98	\$83,271.38	\$364,167.87	\$263,479.34	\$100,688.53
SEPTEMBER	\$316,260.19	\$227,017.96	\$89,242.23	\$367,515.71	\$266,073.76	\$101,441.95
OCTOBER	\$307,696.89	\$311,807.73	(\$4,110.84)	\$305,934.16	\$369,819.05	(\$63,884.89)
NOVEMBER	\$298,638.58	\$273,816.58	\$24,822.00	\$297,773.14	\$265,564.61	\$32,208.53
DECEMBER	\$297,304.29	\$311,213.54	(\$13,909.25)	\$311,470.60	\$78,073.82	\$233,396.78
JANUARY	\$318,504.80	\$264,390.00	\$54,114.80	\$304,613.45	\$275,664.82	\$28,948.63
TOTALS	\$3,270,776.39	\$3,124,295.33	\$146,481.06	\$3,582,040.87	\$2,921,936.01	\$660,104.86



**OPERATIONS SUMMARY REPORT
JANUARY 2022**

OFFICE SUMMARY	
<p>PAYMENT PROCESSING</p>	56% IN OFFICE PAYMENTS/DROP BOX
	24% AUTOMATIC DRAFT PAYMENTS
	20% ONLINE WEB PAYMENTS
	6411 PAYMENTS PROCESSED
	260 WORK ORDERS PROCESSED

MAINTENANCE SUMMARY			
WORK ORDER CODE	TOTALS	WORK ORDER CODE	
METER CHANGE OUT	4	REREAD METER	9
CHECK METER	25	REPAIR METER	1
CHECK PRESSURE	10	CUT OFF FOR RETURN CHECK	0
FLUSH LINES	7	STOP REPAIR	3
LEAK REPORTED IN AREA	3	TAP	8
CUT OFF	29	TRANSMITTER INSTALL	4
CUT ON	27	TRANSMITTER CHANGE OUT	2
PULL METER DATA	14	NON PAYMENT DISCONNECT	83
READ AND LEAVE ON	31	IPERL MAINTENANCE	
TOTAL WORKORDERS			260

NOTES	
119	811 LINE LOCATES
7	WATER MAIN LEAKS REPAIRED
6	TAPS INSTALLED

TREATMENT PLANT SUMMARY	
MONTHLY SAMPLING	QUARTERLY DBP SAMPLING
1 TOC SAMPLE - 1/12/2022	TTHM-TRIHALOMETHANES - 01/31/2022
20 COLIFORM SAMPLES - 01/25/2022	HAA-HALOACETIC ACIDS - 01/31/2022

RECEIVED 27 EMERGENCY CALLS

CLEAN BASINS #2 AND #3
INSTALLED LIGHT ABOVE FLASH MIX BASIN
REPAIRED HOSIT CORD AT RAW WATER PUMP STATION

Dade County Water and Sewer Authority
 Fixed Charges Coverage Ratio
 as of 01/31/2022

Change in net position	389,409.05	X	
Plus: Interest expense	88,302.41	X	
Plus: Depreciation	<u>368,182.08</u>	X	
Net Revenues to date			845,893.54
Number of months in current fiscal year	7.00		
Net Revenues annualized for the year		\$	1,450,103.00
Fixed Charges			
Plus: Scheduled interest payments for FY	171,164.75	#	
Plus: Scheduled principal payment for FY	<u>613,484.44</u>	#	
Total Scheduled Fixed Charges			<u>784,649.19</u>
Calculated ratio			<u>1.85</u>
Required ratio for revenue bonds			<u>1.10</u>
Required ratio for GEFA loan			<u>1.05</u>

DADE COUNTY WATER & SEWER AUTHORITY

Balance Sheet

As of January 31, 2022

02/18/22

Accrual Basis

Jan 31, 22

ASSETS

Current Assets

Checking/Savings

100 · PETTY CASH

100.1 · VAULT

250.00

100.2 · CASH DRAWER #1

200.00

100.3 · CASH DRAWER #2

200.00

100.4 · PETTY CASH

300.00

Total 100 · PETTY CASH

950.00

101 · CASH IN BANK REVENUE WF

362,987.43

103 · CASH IN BANK SYSTEM IMPROVEMENT

69,913.39

103.2 · PROPERTY LEASE

1,000.00

103.4 · GEFA REVENUE ACCT

526.46

103.5 · USDA REVENUE

31,834.92

103.6 · USDA SINKING FUND

500.00

104 · CASH IN BANK O&M ACCOUNT

83,371.21

105 · CASH IN BANK PAYROLL

91,245.29

108 · METER DEPOSIT ACCOUNT

271,574.41

109 · METER DEPOSIT SAVINGS

98,000.00

110 · SINKING FUND

623,205.13

110.1 · REVENUE BOND SINKING FUND

287,231.70

111 · TAP FEE REVENUE

460,858.55

112 · TAP FEE SAVINGS

137,281.96

116.2 · HRA DADE COMMISSION FUND

8,682.49

193 · CASH IN BANK - MONEY MARKET

126,525.73

193.1 · MONEY MARKET-RET. DOUG ANDERTON

228,411.19

Total Checking/Savings

2,884,099.86

Other Current Assets

113 · CUSTOMER A/R - WATER

406,303.88

114 · ALLOWANCE FOR DOUBTFUL ACCT

-12,100.00

115 · ACCRUED INTEREST RECEIVABLE

4,058.26

117 · SEWER MAINTENANCE SURCHARGE

-337.13

118 · INVENTORY

239,674.59

119 · PREPAID EXPENSES

53,121.16

131.1 · Unbilled Revenue

65,700.00

Total Other Current Assets

756,420.76

Total Current Assets

3,640,520.62

Fixed Assets

120 · COMPUTER EQUIPMENT WATER FUND

5,834.00

121 · COMPUTER EQUIPMENT TAP FEE FUND

170,632.22

124 · TOOLS AND EQUIPMENT

60,412.89

125 · BORING MACHINE, TRENCHER TFF

62,000.60

126 · EQUIPMENT TFF

170,899.39

127 · AUTO AND TRUCK WATER FUND

127,759.52

128 · AUTO AND TRUCK TAP FEE FUND

401,113.22

129 · OFFICE BUILDING WF

238,218.33

130 · PROPERTY IMPROVEMENTS

34,948.60

131 · NEW CONNECTIONS

80,723.89

132 · COST OF CONSTRUCTION WF #1

1,016,114.41

133 · COST OF CONSTRUCTION WF #2

1,413,561.22

134 · COST OF CONSTRUCTION WF #3

3,802,320.00

135 · COST OF CONSTRUCTION WF#4

1,200,838.87

136 · COST OF CONST-NEW LINE EXT

745,293.42

137 · INVESTMENTS IN WATER SYSTEM

4,234,663.10

138 · NEW SALEM SYSTEM WF

281,751.39

139 · RISING FAWN SYSTEM WF

41,042.36

140 · LOOKOUT MOUNTAIN SYSTEM

2,872,791.60

141 · A/D COMPUTER EQUIPMENT WF

-5,834.00

142 · A/D COMPUTER EQUIPMENT TFF

-107,099.24

143 · SEWER SYSTEM

59,788.34

143.1 · A/D SEWER SYSTEM

-2,325.11

DADE COUNTY WATER & SEWER AUTHORITY

Balance Sheet

02/18/22

As of January 31, 2022

Accrual Basis

	Jan 31, 22
145 · A/D TOOLS AND EQUIPMENT WF	-51,981.29
146 · A/D BORING MACH & TRENCHER WF	-62,000.60
147 · A/D EQUIPMENT TFF	-166,169.84
148 · A/D AUTO & TRUCK WF	-82,670.88
149 · A/D AUTO & TRUCK TFF	-319,956.95
150 · A/D OFFICE BUILDING WF	-142,117.71
151 · A/D PROPERTY IMPROVEMENTS	-15,307.63
152 · A/D NEW CONNECTIONS	-80,723.89
153 · A/D COST OF CONSTRUCTION #1	-1,016,114.41
154 · A/D COST OF CONSTRUCTION #2	-1,413,561.22
155 · A/D COST OF CONSTRUCTION #3	-3,802,320.00
156 · A/D COST OF CONSTRUCTION #4	-1,098,146.30
157 · A/D NEW LINE EXTENSIONS	-676,234.34
158 · A/D INVESTMENT/TRENTON SYSTEM	-1,906,921.55
159 · A/D NEW SALEM SYSTEM	-212,147.06
160 · A/D RISING FAWN SYSTEM	-41,042.36
161 · A/D LOOKOUT MOUNTAIN SYSTEM	-2,865,290.27
162 · LAND	48,750.70
164 · LAND TANK SITE	414,785.76
165 · LAND WATER TREATMENT PLANT	2,000.00
166 · LAND OFFICE BUILDING	8,199.56
167 · LAND W D CURETON	20,000.00
168 · LAND EASEMENT CASE SETTLEMENT	5,437.50
169 · LAND EASEMENTS ELLEN C DYER	5,000.00
172 · A/D BYRD'S CHAPEL PROJECT	-138,353.73
173 · PUMPING STATION	-527,841.56
174 · A/D TELEMETRY EQUIPMENT	-48,374.75
175 · BYRD'S CHAPEL PROJECT	187,069.47
176 · PUMPING STATION-	1,259,672.83
177 · TELEMETRY EQUIPMENT	48,374.75
185 · NEW LINE EXTENSIONS	701,599.05
186 · A/D NEW LINE EXT 1994	-463,820.64
188 · NEW LINE EXTENSIONS - 1997	374,448.42
189 · A/D - NEW LINE EXT. - 1997	-374,448.42
190 · STATELINE PROJECT	701,260.50
191 · A/D STATELINE	-409,068.66
192 · HIGHWAY 157 LINE EXTENSION	67,291.00
194 · A/D 157 EXT.	-38,271.87
195 · CONSTR IN PROCESS - LINE EXTENS	1,930,438.92
195.2 · CONSTRUCTION IN PROGRESS	1,620,812.84
196 · TREATMENT PLANT IMPROVEMENTS	3,203,789.21
199 · WATER TANK IMPROVEMENTS	1,346,210.27
226 · A/D LINE EXTENSIONS	-1,807,139.11
227 · A/D-TREATMENT PLANT IMPROVEMENT	-2,027,263.94
228 · A/D WATER TANK IMPROVEMENTS	-756,084.29
Total Fixed Assets	8,307,216.53
TOTAL ASSETS	11,947,737.15
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 · *Accounts Payable	104,159.83
Total Accounts Payable	104,159.83

DADE COUNTY WATER & SEWER AUTHORITY

Balance Sheet

02/18/22

As of January 31, 2022

Accrual Basis

	Jan 31, 22
Other Current Liabilities	
201 · ACCOUNTS PAYABLE	873,699.36
202 · DUE TO SEWER SYSTEM	41,452.13
205 · ACCRUED INTEREST PAYABLE	3,097.11
207 · ACCRUED SALARIES AND WAGES	26,576.19
208 · GEORGIA WITHHOLDING TAX	2,828.68
209 · FEDERAL WITHHOLDING TAX	-0.30
2100 · Payroll Liabilities	-236.58
218 · EMP. UNIFORMS-EMPLOYEE PORTION	-301.09
235 · ACCRUED RETIREMENT BENEFIT	226,606.60
240 · NRWA LOAN	45,329.62
Total Other Current Liabilities	1,219,051.72
Total Current Liabilities	1,323,211.55
Long Term Liabilities	
171.3 · BOND PREMIUM - 2011	371,165.35
171.4 · ACC AMORT-BOND PREMIUM 2011	-206,745.82
182 · DEF. LOSS ISSUE EXPIRING 07-28	-284,979.25
182.1 · 2003 DEF. LOSS ISSUE EXP 07-28	-343,775.64
183 · ACCUM AMORT-ISSUE EXP. 07-28	232,483.81
184.1 · ACCUM AMORT ISSUE EXP 07-28	213,995.00
206 · DEF. METER DEPOSITS DUE - WF	189,467.10
211 · ACCRUED VACATION	30,442.82
214 · BONDS PAYABLE - 2011 REFUNDING	3,120,000.00
230 · GEFA LOAN # 2010L08WS	721,180.57
231 · GEFA LOAN RESERVOIR #RF2018001	337,494.95
Total Long Term Liabilities	4,380,728.89
Total Liabilities	5,703,940.44
Equity	
305 · RETAINED EARNINGS TFF	623,205.13
308 · INVESTED IN CAPITAL ASSETS, NET	4,381,383.00
3900 · Retained Earnings	849,799.53
Net Income	389,409.05
Total Equity	6,243,796.71
TOTAL LIABILITIES & EQUITY	11,947,737.15

DADE COUNTY WATER & SEWER AUTHORITY

Profit & Loss

02/18/22

November 2021 through January 2022

Accrual Basis

	Nov 21	Dec 21	Jan 22	TOTAL
Income				
402 · INCOME WATER RENTS	284,670.76	292,863.53	285,077.39	862,611.68
403 · INCOME-SEWER COLLECTION FEES	3,680.64	3,144.92	3,354.86	10,180.42
404 · INCOME/MISCELLANEOUS	2,344.10	1,386.86	5,707.10	9,438.06
405 · INTEREST INCOME	77.64	75.29	74.10	227.03
406 · TAP FEE INCOME	7,000.00	14,000.00	10,400.00	31,400.00
Total Income	297,773.14	311,470.60	304,613.45	913,857.19
Gross Profit	297,773.14	311,470.60	304,613.45	913,857.19
Expense				
420 · (GAIN) LOSS ON DISPOSAL/THEFT	0.00	-250,000.00	0.00	-250,000.00
501 · CREDIT CARD PROCESSING FEES	3,726.58	3,905.35	3,842.80	11,474.73
501.1 · CHECK PROCESSING FEES	0.00	242.75	0.00	242.75
502 · DEPRECIATION	52,597.44	52,597.44	52,597.44	157,792.32
506 · BAD DEBTS	-485.66	-49.94	0.00	-535.60
507 · ELECTRICITY EXPENSE	35,698.01	37,739.59	38,742.17	112,179.77
508 · EMPLOYEE BENEFITS	1,027.54	45,838.51	26,712.21	73,578.26
509 · INSURANCE	6,768.15	32,413.92	7,220.92	46,402.99
510 · INTEREST ON BONDS PAYABLE	740.08	62,591.33	740.08	64,071.49
511 · INTEREST EXPENSE GEFA LOAN	2,899.51	2,882.00	2,864.44	8,645.95
512 · INTEREST PAYING CHARGE	0.00	0.00	39.00	39.00
513 · MATERIALS AND SUPPLIES	11,896.19	16,834.30	11,858.13	40,588.62
514 · CHEMICALS	15,420.63	3,046.75	18,395.21	36,862.59
515 · MISCELLANEOUS	189.00	105.00	805.47	1,099.47
516 · OFFICE EXPENSE AND POSTAGE	672.71	1,707.06	12,417.11	14,796.88
517 · INTEREST EXPENSE ON NRWA LOAN	119.69	117.57	115.45	352.71
518 · BOARD MEMBER FEES	0.00	3,850.00	0.00	3,850.00
519 · PROFESSIONAL FEES	9,714.71	735.00	4,440.00	14,889.71
520 · COMPUTER MAINTENANCE	0.00	0.00	10,320.00	10,320.00
522 · REPAIRS AND MAINTENANCE	27,651.49	4,417.75	3,301.08	35,370.32
523 · REPAIRS & MAINTENANCE - OFFICE	0.00	0.00	365.00	365.00
524 · SALARIES AND WAGES	69,731.65	103,971.15	67,664.43	241,367.23
525 · PAYROLL TAXES	5,334.48	7,953.77	5,176.34	18,464.59
526 · TELEPHONE	915.48	1,010.28	1,007.19	2,932.95
528 · LAWN EXPENSE	0.00	0.00	720.00	720.00
530 · EMPLOYEE UNIFORMS	1,973.72	603.51	503.89	3,081.12
535 · TRUCK EXPENSE	5,585.59	6,645.32	3,404.52	15,635.43
537 · SEWER EXPENSE	3,343.46	0.00	447.40	3,790.86
537.1 · CONTRACT LABOR SEWER	3,480.00	3,480.00	3,480.00	10,440.00
542 · TRAVEL EXPENSES	75.04	416.00	0.00	491.04
545 · JANITORIAL EXPENSE	300.00	300.00	300.00	900.00
546 · DUES AND SUBSCRIPTIONS	438.71	54.98	374.99	868.68
548 · MEALS AND ENTERTAINMENT	72.00	856.88	104.20	1,033.08
549 · WATER UTILITY EXPENSE	525.46	525.34	549.38	1,600.18
553 · EDUCATIONAL EXPENSE	965.00	249.00	0.00	1,214.00
554 · WHEELAGE & TREATMENT CHARGES	4,555.83	0.00	2,271.51	6,827.34
6560 · Payroll Expenses	0.00	0.00	0.00	0.00
Total Expense	265,932.49	145,040.61	280,780.36	691,753.46
Net Income	31,840.65	166,429.99	23,833.09	222,103.73



PROJECT UPDATES

AS OF 2/18/2022

CONTRACT #1 - WATER MAIN UPGRADES

HINKLE AREA - ALL WATER MAINS INSTALLED

13,331 LF OF 6" WATER MAINS HAVE BEEN INSTALLED, 15 GATE VALVES, 2 BLOW-OFFS W/VALVES, 3 AIR RELEASE VALVES, 10 CONNECTIONS TO EXISTING SYSTEM, 90 SERVICE RE-CONNECTS, 100 LF OF ROAD BORE AND CASE, 50 LF OF OPEN CUT AND CASE, 1 DIRECTIONAL BORE CREEK CROSSING

ALL PIPING HAS BEEN PRESSURE TESTED AND HAS NEGATIVE BAC-T REPORTS FROM LAB. ALL SERVICE RECONNECTS HAVE BEEN MADE. ALL CUTTING AND CAPPING OF EXISTING WATER MAINS TO BE ABANDONED, HAS BEEN COMPLETED EXCEPT FOR 2, AND THEY ARE EXPECTED TO BE COMPLETED ON 02/18/2022 IF IT'S NOT TOO WET. ALL THAT SHOULD REMAIN AFTER THIS WEEK IS SURFACE RESTORATION

CONTRACT #2 - METER REPLACEMENT PROGRAM

IN PROGRESS

1120 RESIDENTIAL METERS HAVE BEEN REPLACED OF THE 1152 RECEIVED
SOME RE-PROGRAMMING HAD TO BE DONE FOR SOME PREVIOUSLY INSTALLED METERS
CONTRACTOR IS PLANNING TO START LARGE METER REPLACEMENT WEEK OF 02/28/2022

CONTRACT #3 - PUMP STATION UPGRADES

SAND MOUNTAIN PUMPSTATION

IN PROGRESS

DEMOLITION AT THE SAND MOUNTAIN PS BEGAN MONDAY JANUARY 24TH
MINOR WORK WAS STARTED ON THE RAW WATER PUMP STATION

CONTRACT #4 - REHABILITATION OF WATER STORAGE TANKS

CREW EXPECTED NEXT WEEK TO COMPLETE THE REMAINING WORK AT BOTH TANK SITES

HOOKER TANK PAINTING COMPLETE

SITE RESTORATION DUE TO BE COMPLETE THIS WEEK

LOOKOUT TANK PAINTING COMPLETE

SITE RESTORATION DUE TO BE COMPLETE THIS WEEK

ECWAG - (EMERGENCY COMMUNITY WATER ASSISTANCE GRANT)

CONSTRUCTION COMPLETE

SURFACE RESTORATION NEEDS WORK ON EAST SIDE OF I-59
GATE NEEDS TO BE INSTALLED AND OLD FENCE REMOVED

**AWWA Free Water Audit Software:
Worksheet**

FWAS v6.0

American Water Works Association

Water Audit Report for: **DADE COUNTY WATER & SEWER AUTHORITY**
 Audit Year: **2021** Jan 01 2021 - Dec 31 2021 **CALENDAR**

Click 'n' to add notes To edit water system info: [go to start page](#)
 Click 'g' to determine data validity grade

To access definitions, click the input name

All volumes to be entered as: MILLION GALLONS (US) PER YEAR

Water Supplied Error Adjustments

choose entry option:

VOS WI WE	Volume from Own Sources:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="7"/>	<input type="text" value="736,327"/> MG/Yr	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="10"/>	<input type="text" value="2.00%"/> <input type="text" value="percent"/>	<input type="text" value="under-registration"/> VOSEA WIEA WEEA
	Water Imported:	<input type="text" value="n"/> <input type="text" value="g"/>	<input type="text" value="0.000"/> MG/Yr			
	Water Exported:	<input type="text" value="n"/> <input type="text" value="g"/>	<input type="text" value="0.000"/> MG/Yr			
WATER SUPPLIED:			751,354 MG/Yr			

AUTHORIZED CONSUMPTION

BMAC BUAC UMAC UUAC	Billed Metered:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="8"/>	<input type="text" value="456,445"/> MG/Yr	choose entry option: <input type="text" value="custom"/> <input type="text" value="8,651"/> MG/Yr
	Billed Unmetered:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="n/a"/>	<input type="text" value=""/> MG/Yr	
	Unbilled Metered:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="n/a"/>	<input type="text" value=""/> MG/Yr	
	Unbilled Unmetered:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="8"/>	<input type="text" value="8,651"/> MG/Yr	
AUTHORIZED CONSUMPTION:			465,096 MG/Yr	

WATER LOSSES

286,258 MG/Yr

Apparent Losses

Default option selected for Systematic Data Handling Errors, with automatic data grading of 3

choose entry option:

SDHE CMI UC	Systematic Data Handling Errors:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="3"/>	<input type="text" value="1,141"/> MG/Yr	<input type="text" value="0.25%"/> <input type="text" value="default"/>	<input type="text" value="under-registration"/>
	Customer Metering Inaccuracies:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="8"/>	<input type="text" value="50,716"/> MG/Yr	<input type="text" value="10.00%"/> <input type="text" value="percent"/>	
	Unauthorized Consumption:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="3"/>	<input type="text" value="1,141"/> MG/Yr	<input type="text" value="0.25%"/> <input type="text" value="default"/>	
Default option selected for Unauthorized Consumption, with automatic data grading of 3					
Apparent Losses:			52,998 MG/Yr		

Real Losses

Real Losses: 233,260 MG/Yr

WATER LOSSES: 286,258 MG/Yr

NON-REVENUE WATER

NON-REVENUE WATER: 294,909 MG/Yr

SYSTEM DATA

Lm	Length of mains:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="8"/>	<input type="text" value="364.0"/> miles	(including fire hydrant lead lengths)
Nc	Number of service connections:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="10"/>	<input type="text" value="8,461"/>	(active and inactive)
	Service connection density:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="8"/>	<input type="text" value="23"/> conn./mile main	
Lp	Are customer meters typically located at the curbstops/property line?	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="10"/>	<input type="text" value="Yes"/>	
AOP	Average length of customer service line has been set to zero and a data grading of 10 has been applied	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="8"/>	<input type="text" value="104.0"/> psi	

COST DATA

CRUC VPC	Customer Retail Unit Charge:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="7"/>	<input type="text" value="\$4.92"/> \$/1000 gallons (US)	Total Annual Operating Cost <input type="text" value=""/> \$/yr (optional input)
	Variable Production Cost:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="8"/>	<input type="text" value="\$702.60"/> \$/Million gallons	

WATER AUDIT DATA VALIDITY TIER:

***** The Water Audit Data Validity Score is in Tier IV (71-90). See Dashboard tab for additional outputs. *****

[go to dashboard](#)

A weighted scale for the components of supply, consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION TO IMPROVE DATA VALIDITY:

Based on the information provided, audit reliability can be most improved by addressing the following components:

- 1: Volume from Own Sources (VOS)
- 2: Billed Metered (BMAC)
- 3: Unauthorized Consumption (UC)

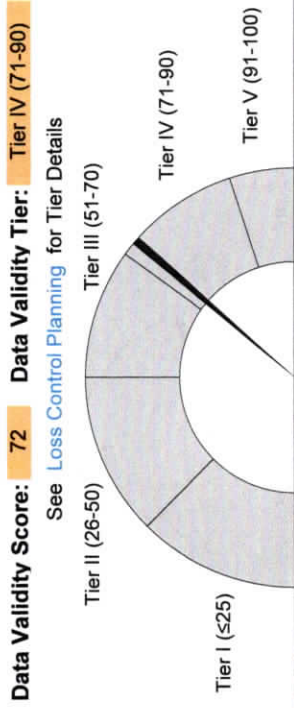
KEY PERFORMANCE INDICATOR TARGETS:

OPTIONAL: If targets exist for the operational performance indicators, they can be input below:

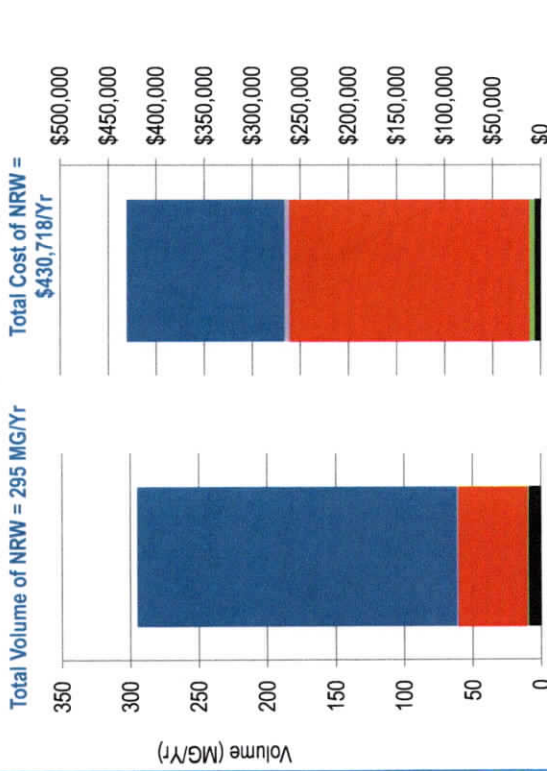
Unit Total Losses:	<input type="text" value=""/>	gal/conn/day
Unit Apparent Losses:	<input type="text" value=""/>	gal/conn/day
Unit Real Losses ¹ :	<input type="text" value=""/>	gal/conn/day
Unit Real Losses ² :	<input type="text" value=""/>	gal/mile/day

If entered above by user, targets will display on KPI gauges (see Dashboard)

Data Validity



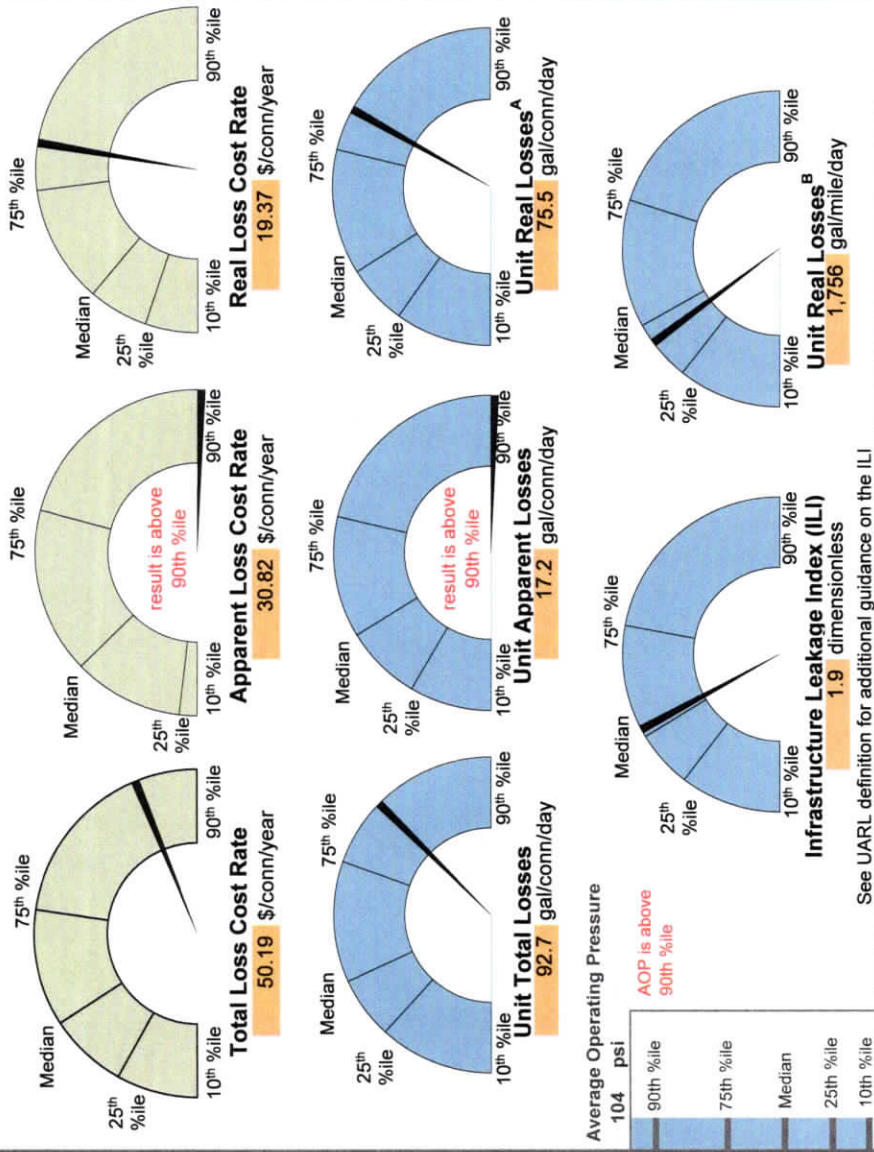
NRW Components Summary



Component	Volume (MG/Yr)	Value (\$/Yr)	Basis of Valuation
Real Losses	150	\$260,752	CRUC
Systematic Data Handling Errors	100	\$163,888	VPC
Customer Metering Inaccuracies	45	\$6,078	VPC
Total	295	\$430,718	Blended

Key Performance Indicators

Actual KPI result Target (see Worksheet) gauge %iles per validated industry ranges²



Guidance Information for Key Performance Indicators

- The eight indicators shown are the recommended suite per the AWWA Water Loss Control Committee 2020 Position on KPIs¹.
- A suite of KPIs is necessary, as no single KPI can holistically communicate water loss performance for a given water system.
- See Table 1 below for Uses and Limitations for each KPI, excerpted from the AWWA Water Loss Control Committee Report (2020)¹, with naming conventions updated.
- Percentiles (%iles) shown on KPI gauges come from Level 1 validated data in the AWWA WLCC Reference Water Audit Dataset (2020)².
- KPI %iles shown above are not segregated by cohorts. Limited KPI data by cohorts may be found in WRF 4695 Guidance Manual, Appendix B (2019)³.
- Actual KPI results that fall below 10th %ile or above 90th %ile do not necessarily imply error, but should be viewed with scrutiny.
- Percentiles not intended to imply targets. Targets may be input by user for operational KPIs, if desired, on Worksheet.
- See UARL and ILI in Definitions tab for discussion of size and pressure limitations.
- Systems that fall on the extreme ends of size or connection density should use caution when interpreting Unit Losses KPIs.

AWWA Free Water Audit Software Water Balance



Water Audit Report for: **DADE COUNTY WATER & SEWER AUTHORITY**

Audit Year: 2021

Jan 01 2021 - Dec 31 2021

Data Validity Tier: Tier IV (71-90)

FWAS v6.0
American Water Works Association.
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Volume from Own Sources (VOS) (corrected for known errors)	Water Exported (WE) (corrected for known errors)	Authorized Consumption	Billed Water Exported	Revenue Water (Exported)
751.354	0.000	465.096	Billed Authorized Consumption 456.445	0.000
			Unbilled Authorized Consumption 8.651	Revenue Water 456.445
			Unbilled Metered Consumption (UMAC) 0.000	
			Unbilled Unmetered Consumption (UUAC) 8.651	
			Systematic Data Handling Errors (SDHE) 1.141	
			Customer Metering Inaccuracies (CMI) 50.716	
			Unauthorized Consumption (UC) 1.141	
			Leakage on Transmission and/or Distribution Mains <i>Not broken down</i>	
			Leakage and Overflows at Utility's Storage Tanks <i>Not broken down</i>	
			Leakage on Service Connections <i>Not broken down</i>	
			Apparent Losses 52.998	
			Real Losses 233.260	
			Water Losses 286.258	
			System Input Volume 751.354	
			Water Supplied 751.354	
			Water Imported (WI) (corrected for known errors) 0.000	Non-Revenue Water (NRW) 294.909