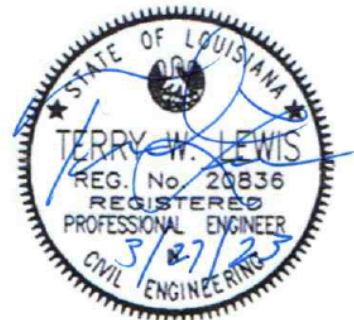


**TOWN OF OAK GROVE**

**WATER AND SEWER DEPARTMENTS**

**RATE STUDY**



**March, 2023**

**Prepared By:**

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**TOWN OF OAK GROVE**  
**WATER AND SEWER UTILITIES RATE STUDY**

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**TOWN OF OAK GROVE**  
**WATER AND SEWR DEPARTMENTS**

**PART 1**  
**WATER DEPARTMENT**

**2023 WATER RATE STUDY**

**GENERAL:**

The Town of Oak Grove authorized this firm to conduct a new water rate structure analysis in accordance with instructions from LDH that requires water systems to conduct a water rate study every five years. The Town of Oak Grove has a fiscal year that begins on July 1 and ends on June 30 of each year. The Town of Oak Grove has a long-term debt with the Red River Bank. This loan currently has a balance of approximately \$30,000. It is anticipated that this loan will be retired at the end of the next fiscal year.

**METHODOLOGY:**

To fully perform the water rate analysis, the data used was in the form of the most recent data available for the water usage, number of customers, revenues and expenses. To do that:

1. We are using the FY 2022 year financial data for the system, Exhibit "A", in the back of this report is a copy of the FY 2022-FY 2023 water department Budget. In column E is the projected end of year, FY 2022 budget and in column G is the proposed 2023 budget.
2. We are using the FY 2023 proposed budget.
3. The Town of Oak Grove has received funds from a LCDBG Grant – 2021 and a grant from the West Carroll Police Jury. These numbers are not included in the calculations of the Town's Water Department Expenses nor Revenues. The Water Department expenses and revenues are considered to be those that recur year after year operating expenses and revenues.
4. We are using the customer numbers of each classification of customers as shown in Exhibit "B"
5. We are using the customer usage for calendar year 2022 as shown in Exhibit "C", in the back of this report, to look at the number of customers that use above the minimum base water usage of 2,000 gallons per month.
6. The existing water rates are shown in Exhibit "D" and are used to begin the analysis.

There are two methods of determining a water rate for a water system, such as the Town of Oak Grove. One method is to use the LRWA method of utilizing their created worksheets to determine a Sustainability Factor. The other method that is being used by certain water systems that are applying to LDH DWRLF for funds is the DWRLF's Business Plan.

After this data has been accumulated and examined in detail, we will use our simulated LRWA rate worksheet to determine the best water rates for the water department. The LRWA worksheets are designed to provide a Sustainability Factor for a certain water rate, expenses, revenues and include any long-term debt a water department may have. The recommended Sustainability Factor should be 1.10 and above for a water system to be considered a viable water department.

### **RAW CONSUMPTION DATA:**

According to the water system records, shown in Exhibit "B", for the year 2022, the system had a total of 952 residential customers, 134 Class1 commercial customers, and 36 Class 2 commercial customers. This Exhibit "B" also shows the number of minimum users in each classification of customers.

Attached in the back of this report as Exhibit "C", is the raw water consumption audit data for the year 2022 from the system records, based upon the classifications of customers that the system currently has. Also shown in Exhibit "C", are the numbers of customers of each classification that use the minimum amount of water per month or less. According to these records in calendar year 2022, the Town of Oak Grove water department had approximately 288 residential customers that used below the base amount of 2,000 gallons of water per month and 664 residential customers that used above the minimum usage. Likewise, the system had 66 commercial customers that used less than the base usage of 5,000 gallons of water per month and 104 Class 1 commercial customers that used above the minimum usage. That indicates that approximately **664** residential customers use above the minimum usage of 2,000 gallons per month and likewise, **104** commercial customers use above the minimum of 5,000 gallon per month.

One important step in utilizing the LRWA worksheet is to determine the average monthly water usage of each classification of customers. Page 3 of Exhibit "E", in the back of this report, shows the monthly water usage of each class of customers.

For the purpose of this study, we will assume that each residential minimum user will use 1,800 gallons of water per month. Of the total year 2022 reported residential consumption of 39,742,036 gallons of water, it can be assumed that 6,220,800 gallons of water is used by the minimum customers and that the remaining water consumption is used buy those customers that use above 2,000 per month. This calculates those 33,521,236 gallons of water per year to be used by the above-minimum residential users. Considering this data, the average residential



customer that uses above the monthly minimum uses approximately **4,207** gallons of water per month.

The commercial customers are shown to have 66 commercial customers that are considered to be below minimum users. It is assumed that all of the minimum customers will be in the form of Class 1 commercial customers. We used a consumption of 4,500 gallons of water per month as a basis for determining the total amount of water used by the below-minimum commercial users. This minimum usage is calculated to be 3,564,000 per year, thereby leaving 10,461,530 of water to be used by the remaining commercial customers. Therefore, the average water usage of those Class 1 commercial customers that use above the monthly base usage of 5,000 gallons of water is **8,383** gallons of water per month.

The Class 2 commercial customers (36 cust.) is calculated to be an average of **18,749** per month.

### **WATER RATE ANALYSIS WORKSHEET:**

Attached, as Exhibit “E”, in the back of this report, please find the LRWA-simulated water rate worksheet for the Town of Oak Grove Water Department. While this worksheet addresses revenues, expenses and water rates, it does not entail a complete financial investigation of the water department. This type of analysis would be better served by utilizing the DWRLF Business Plan worksheets.

Page 1 of this worksheet shows the current debt retirement expenses for the current fiscal year. Page 2 of this worksheet shows the existing FY 22 actual expenses of the water department and includes a projected budget of the FY 23 expenses. It must be noted that the number of expense accounts for FY 23 is the same as the expense accounts for FY 22. The expenses for FY 22 are \$337,377.00, and for adopted FY 23 budget, expenses are forecasted to be \$338,000.00.

On page 3 of this worksheet, the actual FY 22 and FY 23 budgeted revenues are shown and based upon the existing water rate structure. The water revenues are comprised of Water Sales and other revenue income accounts as shown.

This page 3 also shows the actual water usage of the system’s customers for the calendar year of 2022. This customer usage will be used throughout this report on a fiscal year basis.

Page 4 of the worksheet shows the calendar year 2022 current average numbers of customers and their classification, along with each class's water usage. This page 4 further breaks out the number of above-minimum users and the below-minimum users along with the calculated minimum users' total water consumption. Thereby leaving the balance of water usage to the above-minimum users.

From this data, an average monthly water consumption per customer can be determined. This is shown in the last column of the worksheet and is as follows:

<b>Residential</b>	<b>4,207 Gal/per customer per month</b>
<b>Class 1 Commercial</b>	<b>8,383 Gal/per customer per month</b>
<b>Class 2 Commercial</b>	<b>18,749 Gal/per customer per month</b>

This average water usage per customer per month will be used henceforth.

Page 4 also shows the existing water rates for the Town of Oak Grove Water Department that is in effect at the time of this report.

These existing rates are as follows:

Residential	\$16.50 base minimum for 2,000 gallons of water 5.50 per 1,000 gals. for all over 2,000 gals.
Commercial	\$40.00 base minimum for 5,000 gallons of water \$6.00 per 1,000 gals. for all over 2,000 gals.

Page 4 of the worksheet examines the calculations of the revenues that are estimated to be attained based upon the 2022 water usage and existing water rates. This Page 4 shows the budgeted FY 23 Operating Budget Needs, which includes the annual debt retirement.

The results of this calculation shows that the water department has a forecasted Sustainability Factor of **1.17**. This factor is considered to be sufficient at this time.

However, the Town would be better served, considering the equipment that the water department operations, if the water rates were to be increased marginally.

**Page 5 of this report, shows a suggested water rate structure that would increase the Sustainability Factor for the current FY 23 budget.** These suggested rates would increase the Factor to **1.23**. And would actually generate a **Gain** of **\$85,804** annually for the water department.

**The recommended water rates to achieve these results are as follows:**

<b>Residential</b>	<b>\$17.00 base minimum for 2,000 gallons of water</b> <b>\$6.00 per 1,000 gals. for all over 100,000 gals.</b>
<b>Class 1 Commercial</b>	<b>\$42.00 base minimum for 5,000 gallons of water</b> <b>\$6.50 per 1,000 gals. for all over 5,000 gals.</b>
<b>Class 2 Commercial</b>	<b>\$42.00 base minimum for 5,000 gallons of water</b> <b>\$6.50 per 1,000 gals. for all over 5,000 gals.</b>

This recommended new water rate structure increases the residential base rate from \$16.50 to \$17.00 and from \$40.00 to \$42.00 for commercial customers, which are modest increases.

## **SUMMARY:**

- **This Water Rate Study is based upon the concepts developed by the LRWA and tries to generate a Sustainability Factor to judge the financial stability of the water system.**
- **The Sustainability Factor each year should be above 1.10.**
- **This Water Rate Study examined the Sustainability Factor of the Town of Oak Grove Water Department for the FY 23 Budget.**
- **FY 23, with existing water rates, had a Factor of 1.17, which is acceptable.**
- **FY 23 Sustainability Factor is increased to 1.23 with a water rate increase on all customers in the form of adding \$0.50 to the base water rate for residential customers and \$2.00 to the base rate for commercial customers.**
- **To prevent a decay of the Sustainability Factor in subsequent years, the Town should do a Water Rate Study every 3 -5 years to validate the projected Sustainability Factor of future budgets.**

**PART 2**  
**SEWER DEPARTMENT**

**2023 SEWER RATE STUDY**

**GENERAL:**

The Town of Oak Grove authorized this firm to conduct a new sewer rate structure analysis in conjunction with the water rate analysis to provide the Town with an indication of the impact of the existing sewer rates to the Town. The Town of Oak Grove has a fiscal year that begins on July 1 and ends on June 30 of each year. The Town of Oak Grove has a long-term debt with the La Dept. of Environmental Quality. This loan currently has a balance of approximately \$477,701. This DEQ Loan will be recurring until 2037.

**METHODOLOGY:**

To fully perform the sewer rate analysis, the data used was in the form of the most recent data available for the water usage, number of customers, revenues and expenses. To do that:

7. We are using the FY 2022 year financial data for the sewer department, Exhibit “G”, in the back of this report is a copy of the FY 2022-FY 2023 sewer department Budget. In column E is the projected end of year, FY 2022 budget and in column G is the proposed 2023 budget.
8. We are using the FY 2023 proposed budget.
9. The Town of Oak Grove has received funds from LDEQ and an Act 21 Grant. These numbers are not included in the calculations of the Town’s Sewer Department Expenses nor Revenues. The Sewer Department expenses and revenues are considered to be those that recur year after year operating expenses and revenues.
10. We are using the customer numbers of each classification of customers as shown in Exhibit “H”.
11. We are using the customer water usage for calendar year 2022 as shown in Exhibit “C”, in the back of this report, to look at the number of customers that use above the minimum base water usage of 2,000 gallons per month.
12. The existing sewer rates are shown in Exhibit “D” and are used to begin the analysis.

## **RAW CONSUMPTION DATA:**

According to the sewer system records, shown in Exhibit “H”, for the year 2022, the system had a total of 630 residential sewer customers, 155 Class 1 commercial sewer customers, and 20 Class 2 (2” meter) commercial sewer customers.

Attached in the back of this report as Exhibit “C”, is the raw water consumption audit data for the year 2022 from the system records, based upon the classifications of customers that the system currently has. Also, shown in Exhibit “B”, are the numbers of customers of each classification that use the minimum amount of water per month or less. We will use this same ratio of below minimum customers and the above minimum customers and apply it to the reported existing sewer department customers. From the data shown in Exhibit “B”, the water system had approximately 30% of the water customers that used below the minimum water usage. Therefore, the number of sewer residential customers that use the minimum water usage is 189 and the number of sewer residential customers that use above the minimum water usage is 441. Using the same procedure, of the 155 Class 1 sewer commercial customers, approximately 60 sewer customers use the minimum amount of water. Thereby leaving 95 Class 1 sewer commercial customers that use above the minimum water usage. It is assumed that all of the Class 2 commercial customers will use above the minimum water usage.

One important step in utilizing the LRWA worksheet is to determine the average monthly water usage of each classification of customers. Page 3 of Exhibit “E”, in the back of this report, shows the monthly water usage of each class of water department customers.

Considering this data, the average residential customer that uses above the monthly minimum uses approximately **4,207** gallons of water per month. The commercial (Class 1) sewer customers are calculated to have 60 commercial customers that are considered to be below minimum users. It is assumed that all of the minimum customers will be in the form of Class 1 commercial customers. We used a consumption of 2,000 gallons of water per month as a basis for determining the total amount of water used by the below-minimum commercial users. This minimum usage is calculated to be 3,564,000 per year, thereby leaving 12,585,530 of water to be used by the remaining commercial customers. Therefore, the average water usage of those Class 1 commercial customers that use above the monthly base usage of 2,000 gallons of water is **11,039** gallons of water per month.

The Class 2 commercial customers (20 cust.) is calculated to be an average of **18,749** per month.

## **SEWER RATE ANALYSIS WORKSHEET:**

Attached, as Exhibit “J”, in the back of this report, please find the LRWA-simulated water rate worksheet, to be applied toward the sewer rates for the Town of Oak Grove Sewer Department. While this worksheet addresses revenues, expenses and water rates, it does not entail a complete financial investigation of the sewer department.

Page 1 of this worksheet shows the current debt retirement expenses for the current fiscal year. Page 2 of this worksheet shows the existing FY 22 actual expenses of the sewer department, taken for Exhibit “G”, Budget and includes a projected budget of the FY 23 expenses. It must be noted that the number of expense accounts for FY 23 is the same as the expense accounts for FY 22. The expenses for FY 22 including the debt retirement and reserve funds are \$473,382.16, and for adopted FY 23 budget, expenses are forecasted to be \$539,938.16.

On page 3 of this worksheet, the actual FY 22 and FY 23 budgeted revenues are shown and based upon the existing sewer rate structure. The sewer revenues are comprised of Sewer Revenues and Taps & Inspections as shown.

Page 4 of the worksheet shows the calendar year 2022 current average numbers of customers and their classification, along with each class’s water usage. This page 4 further breaks out the number of above-minimum users and the below-minimum users along with the calculated minimum users’ total water consumption. Thereby leaving the balance of water usage to the above-minimum users.

From this data, an average monthly water consumption per customer can be determined. This is shown in the last column of the worksheet and is as follows:

<b>Residential</b>	<b>4,207 Gal/per customer per month</b>
<b>Class 1 Commercial</b>	<b>11,039 Gal/per customer per month</b>
<b>Class 2 Commercial</b>	<b>18,749 Gal/per customer per month</b>

This average water usage per customer per month will be used henceforth to forecast sewer revenues.

Page 4 also shows the existing sewer rates for the Town of Oak Grove Sewer Department that is in effect at the time of this report.

These existing rates are as follows:

Residential	\$17.25 base minimum for 2,000 gallons of water 5.00 per 1,000 gals. for all over 2,000 gals.
Class 1 Commercial	\$20.25 base minimum for 2,000 gallons of water \$6.00 per 1,000 gals. for all over 2,000 gals.
Class 2 Commercial	\$30.00 base minimum for 2,000 gallons of water \$7.00 per 1,000 gals. for all over 2,000 gals.

Page 4 of the worksheet examines the calculations of the revenues that are estimated to be attained based upon the 2022 water usage and existing water rates. This Page 4 shows the budgeted FY 23 Operating Budget Needs, which includes the annual debt retirement and is forecasted to be \$539,938.16.

The results of this calculation shows that the sewer department is operating at a deficient. This deficient is approximately 33%.

The Sewer Budget shows the Town's Sewer Department operated at a deficient in FY 22 and is forecasted to operate in a deficient for FY 23.

Page 4 of this Exhibit "J" shows that the current average residential sewer bill is \$28.29 per residential customers, \$74.48 for the Class 1 commercial customers and \$147.24 for the Class 2 commercial customers.

It is recommended that the Town of Oak Grove Sewer Department's existing sewer rates to be adjusted to allow the Town's Sewer Department to operate in a sewer revenue positive structure.



**Page 5 of this report, shows a suggested sewer rate structure that would eliminate the deficient operating situation and increase the Sustainability Factor for the current FY 23 budget. These suggested rates would increase the Factor to 1.05. And would actually generate a Gain of \$25,688 annually for the sewer department.**

**The recommended sewer rates to achieve these results are as follows:**

<b>Residential</b>	<b>\$25.00 base minimum for 2,000 gallons of water</b> <b>\$8.00 per 1,000 gals. for all over 2,000 gals.</b>
<b>Class 1 Commercial</b>	<b>\$45.00 base minimum for 2,000 gallons of water</b> <b>\$9.00 per 1,000 gals. for all over 2,000 gals.</b>
<b>Class 2 Commercial</b>	<b>\$50.00 base minimum for 2,000 gallons of water</b> <b>\$9.00 per 1,000 gals. for all over 2,000 gals.</b>

Page 5 of this Exhibit “J” shows that the projected average residential sewer bill would be \$42.66 per residential customers, \$126.35 for the Class 1 commercial customers and \$200.74 for the Class 2 commercial customers.

This would be a drastic increase in the sewer rates of approximately 50% for the residential connections, 70% increase for the Class 1 sewer connections and a 36% increase for the Class 2 commercial connections.

Since the Sewer Department is operating at a deficient currently and probably has for the last few years, it would be prudent to gradually increase the Sewer Department rates to finally achieve a positive sewer revenue.

Shown on Page 6 of Exhibit “J”. Sewer Worksheet, an across-the-board **increase of 25%** in the current sewer rates would drop the deficient for approximately \$177,252 to \$87,076 or an approximately **50% decrease** in the deficient operating budget.

Page 7 of the sewer rate worksheet, shows that a modest **increase of 10%** in the sewer rates would drop the sewer department operating deficient by **20%**.

To achieve a surplus sewer operating budget, Page 8 shows the results of an across-the-board rate increase of 10% each year for residential customers and an increase of 15% for commercial customers. As it can be seen, the sewer operating budget would see a surplus in **Year 5** of the sewer rate increases.

Page 9 of this worksheet shows, that if the sewer rates were to be increased by 25% the first year and 10% each year thereafter, the sewer operating budget would see a surplus in **Year 3**.

### **SUMMARY:**

- **This Sewer Rate Study is based upon the concepts developed by the LRWA to generate a Sustainability Factor to judge the financial stability of the utility system.**
- **The Sustainability Factor each year should be above 1 for a positive operating budget.**
- **This Sewer Rate Study examined the Sustainability Factor of the Town of Oak Grove Water Department for the FY 23 Budget.**
- **FY 23, with existing sewer rates, had a Factor of 0.67, which is non-acceptable and causes the Town of Oak Grove Sewer Department to operate in a deficiency.**
- **FY 23 Sustainability Factor is increased to 1.05 with a sewer rate increase as shown above on all sewer customers.**

### **RECOMMENDATIONS:**

- **It is recommended that the Town of Oak Grove take steps to increase the sewer revenues by increasing the sewer rates as necessary to finally achieve a positive operating condition.**
- **To begin this process, it is recommended that the Town of Oak Grove increase the existing sewer rates across-the board by 25% to reduce the deficient operating conditions by 50%.**
- **In subsequent years, the Town should increase the sewer rates gradually to finally achieve the recommended sewer rates.**

# EXHIBIT "A"

## TOWN OF OAK GROVE WATER DEPT. - BUDGET FOR YEAR ENDING JUNE 30, 2023

1st Revision

	(A) Original Budget 2022-2023	(B) Last Adopted Budget 2022-2023	(C) Actual Year-to-Date as of 12/31/2022	(D) Estimated Remaining for Year	(E) Projected Result at Year End [C + D]	(F) % Change Last Adopted Budget vs. Projected Actual Result at Year End [E/B-1]	(G) Proposed Budget 2022-2023	(H) % Change Projected Actual Result At Year End vs. Proposed Budget [G/E-1]
<b>INCOME</b>								
41500 - Water Revenue	523,000	523,000	264,820	\$ 264,820	\$ 529,640	1%	530,000	0%
41503 - Services	1,000	1,000	310	\$ 310	620	-38%	1,000	61%
41504 - LAGAP Grant	-	-	-	\$ -	-	100%	-	100%
41505 - Penalties - Water	8,000	8,000	2,552	\$ 2,552	5,104	-35%	5,000	-2%
41507 - CWFEE Grant	53,000	53,000	-	\$ -	-	-100%	-	100%
41509 - North Delta Regional Grant	-	-	-	\$ -	-	100%	-	100%
41510 - Taps & Inspections	3,000	3,000	250	\$ 250	500	-83%	1,000	100%
41513 - Interest Income	-	-	450	\$ 450	900	100%	1,000	11%
41598 - Sale of Surplus Property	-	-	-	\$ -	-	100%	-	100%
41599 - Misc. Income	4,000	4,000	2,427	\$ 2,427	4,855	21%	5,000	3%
41508 - LCDBG Grant 2021	-	-	-	\$ -	-	100%	-	100%
41516 - Transfer in from Sewer	-	-	-	\$ -	-	100%	-	100%
41514 - Water Rev. Bond Series 2019	-	-	-	\$ -	-	100%	-	100%
W.C. Policy Jury Grant	-	-	-	\$ -	250,000	100%	250,000	0%
<b>TOTAL INCOME</b>	<b>582,000</b>	<b>582,000</b>	<b>270,809</b>	<b>\$ 270,809</b>	<b>\$ 791,616</b>	<b>34%</b>	<b>793,000</b>	<b>0%</b>
<b>EXPENSE</b>								
41195 - Construction in Progress	-	-	-	\$ -	-	100%	-	100%
41508 - LCDBG Grant	16,000	16,000	203,768	\$ 203,768	407,537	2447%	408,000	0%
41600 - Salaries Admin	30,000	30,000	15,215	\$ 15,740	30,955	3%	31,000	0%
41610 - Salaries Plant	34,000	34,000	26,019	\$ 26,019	52,037	53%	52,000	0%
41614 - Bank Charges	-	-	3	\$ 3	6	100%	-	-100%
41625 - Employee Insurance	16,000	16,000	11,479	\$ 11,479	22,958	43%	23,000	0%
41626 - Emp. Benefits - Mersol	9,000	9,000	5,880	\$ 5,880	11,760	31%	12,000	2%
41635 - AmeriPride Uniforms	-	-	-	\$ -	-	100%	-	100%
41659 - Payroll Taxes	5,000	5,000	3,154	\$ 3,154	6,309	26%	6,000	-5%
41702 - Fuel	7,000	7,000	3,041	\$ 3,041	6,082	-13%	6,000	-1%
41708 - Accounting & Audit	1,000	1,000	242	\$ 242	483	-52%	-	-100%
41710 - Ins. Liability, Work Comp., Bonds	19,000	19,000	16,069	\$ 16,069	32,139	69%	32,000	0%
41712 - Fees	2,000	2,000	323	\$ 323	645	-68%	1,000	55%
41713 - Ouachita Meter Reading Service	15,000	15,000	8,712	\$ 8,712	17,425	16%	17,000	-2%
41715 - Postage	2,000	2,000	1,569	\$ 1,569	3,138	57%	3,000	-4%
41716 - Office Supplies	6,000	6,000	1,483	\$ 1,483	2,965	-51%	3,000	1%
41718 - Telephone	4,000	4,000	1,051	\$ 1,051	2,101	-47%	2,000	-5%
41720 - Utilities	28,000	28,000	17,404	\$ 17,404	34,808	24%	35,000	1%
41799 - Misc.	2,000	2,000	755	\$ 755	1,509	51%	2,000	33%
41800 - Repairs & Maint. Water System	165,000	165,000	687	\$ 687	1,373	-31%	1,000	-27%
41801 - Water System Supplies	7,000	7,000	14,167	\$ 14,167	28,334	-83%	28,000	-1%
41802 - Repairs - Plant & Wells	27,000	27,000	5,305	\$ 5,305	10,611	52%	11,000	4%
41803 - Truck - Repairs & Maint.	-	-	2,850	\$ 48,194	50,844	86%	51,000	0%
41806 - Equip. & General Repairs	-	-	961	\$ 961	1,922	100%	2,000	4%
41807 - Professional Services	5,000	5,000	1,425	\$ 1,425	2,850	-43%	3,000	5%
41808 - Waxmans, Ill	3,000	3,000	-	\$ -	-	-100%	-	100%
42000 - Safe Drinking Water Fee	11,000	11,000	4,508	\$ 4,508	9,016	-18%	9,000	0%
41803 - Supplies	1,000	1,000	1,512	\$ 1,512	3,023	202%	3,000	-1%
41850 - Interest on Bond Payment	2,000	2,000	1,024	\$ 1,024	2,048	2%	2,000	-2%
42401 - Expense Reimbursement	-	-	705	\$ 705	1,409	100%	1,000	-29%
42406 - Computer Expenses	1,000	1,000	1,518	\$ 1,518	3,036	204%	3,000	-1%
42352 - Transfer of Funds	-	-	-	\$ -	-	100%	-	100%
W.C. Policy Jury - purchase water meters	-	-	-	\$ 250,000	250,000	100%	250,000	0%
<b>Total Expense</b>	<b>452,000</b>	<b>452,000</b>	<b>350,627</b>	<b>\$ 350,627</b>	<b>\$ 646,996</b>	<b>121%</b>	<b>646,996</b>	<b>0%</b>
<b>Net Income</b>	<b>130,000</b>	<b>130,000</b>	<b>35,182</b>	<b>\$ 35,182</b>	<b>\$ 244,620</b>	<b>-247%</b>	<b>246,000</b>	<b>-1%</b>
<b>Fund balance, beginning of year</b>	<b>(154,381)</b>	<b>(154,381)</b>	<b>749,097</b>	<b>\$ 749,097</b>	<b>749,097</b>	<b>-485%</b>	<b>543,097</b>	<b>-27%</b>
<b>Fund balance, end of year</b>	<b>\$ (54,381)</b>	<b>\$ (54,381)</b>	<b>\$ 669,278</b>	<b>\$ (125,887)</b>	<b>\$ 543,392</b>	<b>-1099%</b>	<b>\$ 339,392</b>	<b>-38%</b>

\*\*\$95,000 is transferred annually from the Water Revenue Acct. (2019 Bond - \$95,000) Reserve - \$65,000

# EXHIBIT "B"

1. CUSTOMER CLASSIFICATIONS	YEAR 2022 NUMBER OF ACTIVE CUST.	NUMBER OF CUSTOMERS THAT USE THE MINIMUM OR LESS		NO. OF CUST. THAT USE ABOVE MINIMUM
RESIDENTIAL	952	288		664
COMMERCIAL	170	66		104
SCHOOLS				
INDUSTRIAL				
??????				

- ✓ 2. WATER RATES FOR EACH CLASS OF CUSTOMER
- ✓ 3. TOTAL 2022 WATER USAGE FOR EACH CLASS OF CUSTOMER
- ✓ 4. TOTAL 2021 WATER USAGE FOR EACH CLASS OF CUSTOMER
- ✓ 5. WHAT IS THE TIME FRAME OF THE TOWN'S FISCAL YEAR? i.e. Jan. 1 - Dec. 31 or else?
- ✓ 6. COPY OF 2021 WATER SYSTEM ANNUAL AUDIT OR LIST OF REVENUES AND EXPENSES
- ✓ 7. COPOY OF CALENDAR YEAR 2022 WATER SYSTEM ANNUAL AUDIT OR LIST OF REVENUES AND EXPENSES.
- ✓ 8. TOTAL NUMBER OF WATER SYSTEM CUSTOMERS FOR 2020 AND 2021. 2020 = 1111 2021 = 1130
- ✓ 9. WHAT LOANS DOES THE WATER SYSTEM HAVE, AND PRINCIPLE BALANCE AND ANNUAL OR MONTHLY NOTES.
- ✓ 10. ARE WATER SYSTEM LOANS PAID FROM THE WATER SYSTEM REVENUES?

WATER USAGE & TOTAL WATER CUSTOMERS



**marilyn townof oakgrove.com**

terry lewis

2/17/2023 2:18 PM

From marilyn townof oakgrove.com ;  
marilyn@townof oakgrove.com

To terry lewis

**2020**

Residential Total Customers - 9,376

Commercial Total Customers - 2,223

Commercial 2" Total Customers - 274

**2021**

Residential - 40,238,357      Total Customers - 9,471

Commercial - 15,021,750      Total Customers - 2,229

Commercial 2" - 8,874,100      Total Customers - 432

No Charge - 160,816,145 (Town's Usage)

**2022**

Residential - 39,742,036      Total Customers - 9,440

Commercial - 14,025,530      Total Customers - 2,199

Commercial 2" - 8,099,700      Total Customers - 435

No Charge - 16,665,989 (Town's Usage)

## EXHIBIT "D"

Approved at Aug 11, 2020 Town Meeting  
*Sewer* Rates were changed on Sept 2020 Billing

### WATER AND SEWER RATES

#### WATER

##### RESIDENTIAL

\$16.50 First 2,000 gallons

\$5.50 Per thousand or part thereof

##### COMMERCIAL

\$40.00 First 5,000 gallons

\$6.00 Per thousand or part thereof

#### SEWER

##### RESIDENTIAL

\$17.25 First 2,000 gallons

\$5.00 Per thousand or part thereof

##### COMMERCIAL

###### Class 1 (5/8 meters)

\$20.25 First 2,000 gallons

\$6.00 Per thousand or part thereof

###### Class 2 (2" meters)

\$30.00 First 2,000 gallons

\$7.00 Per thousand or part thereof

TOWN OF OAK GROVE  
WATER DEPARTMENT  
WATER RATE ANALYSIS WITH 2023 PROJECTED NUMBERS

TOWN OF OAK GROVE - WATER DEPARTMENT  
407 EAST MAIN ST.  
OAK GROVE, LA 71263

PWSID                      LA1065004  
CLASS                      B

				TOTAL AMOUNT	MONTHLY AMOUNT	ANNUAL AMOUNT
TOTAL CURRENT LOANS						
RED RIVER BANK	\$30,000.00	\$2,500.00		\$30,000.00	\$2,500.00	\$30,000.00
INTEREST EXPENSE						\$1,300.00
				TOTAL ANNUAL LOAN PAYMENT COSTS		\$31,300.00

**TOWN OF OAK GROVE  
WATER DEPARTMENT  
WATER RATE ANALYSIS WITH 2023 PROJECTED NUMBERS**

**EXIHIBIT "E"**

Page 2 of 5

<b><u>EXPENSES:</u></b>	<b><u>2022 ACTUAL</u></b>	<b><u>2023 BUDGET</u></b>
SALARIES-ADMIN	\$30,955.00	\$31,000.00
SALARIES-PLANT	\$52,037.00	\$52,000.00
BANK CHARGES	\$6.00	\$0.00
EMPLOYEE INSURANCE	\$22,958.00	\$23,000.00
EMP. BENEFITS - MERSOL	\$11,760.00	\$12,000.00
AMERIPRIDE UNIFORMS	\$0.00	\$0.00
PAYROLL TAXES	\$6,309.00	\$6,000.00
FUEL	\$6,082.00	\$6,000.00
ACCOUNTING & AUDIT	\$483.00	\$0.00
INS. LIABILITY,WORK COMP, BONDS	\$32,139.00	\$32,000.00
FEES	\$645.00	\$1,000.00
OUACHITA METER READING SERVICE	\$17,425.00	\$17,000.00
POSTAGE	\$3,138.00	\$3,000.00
OFFIC SUPPLIES	\$2,965.00	\$3,000.00
TELEPHONE	\$2,101.00	\$2,000.00
UTILITIES	\$34,808.00	\$35,000.00
SCHOOLS & CONVENTIONS	\$1,509.00	\$2,000.00
MISC.	\$1,373.00	\$1,000.00
REPAIRS & MAINTENANCE WATER SYSTEM	\$28,334.00	\$28,000.00
WATER SYSTEM SUPPLIES	\$10,611.00	\$11,000.00
REPAIRS - PLANT & WELLS	\$50,844.00	\$51,000.00
TRUCK - REPAIRS & MAINT.	\$1,922.00	\$2,000.00
EQUIP. & GENERAL REPAIRS	\$2,850.00	\$3,000.00
SAFE DRINKING WATER FEE	\$9,016.00	\$9,000.00
SUPPLIES	\$2,023.00	\$3,000.00
COMPUTER EXPENSE	\$3,036.00	\$3,000.00
<b>TOTAL ANNUAL COST</b>	<b>\$335,329.00</b>	<b>\$336,000.00</b>
INTEREST ON BOND PAYMENT	<b>\$2,048.00</b>	<b>\$2,000.00</b>
<b>TOTAL ANNUAL EXPENSES</b>	<b>\$337,377.00</b>	<b>\$338,000.00</b>
<b>TOTAL ANNUAL DEBT</b>		<b>\$31,300.00</b>
<b>TOTAL ANNUAL OPERATING NEEDS</b>		<b>\$369,300.00</b>



**TOWN OF OAK GROVE  
WATER DEPARTMENT  
WATER RATE ANALYSIS WITH 2023 PROJECTED NUMBERS**

**EXIHIBIT "E"**

Page 3 of 5

**REVENUES:**

	<b><u>2022 ACTUAL</u></b>	<b><u>2023 BUDGET</u></b>
WATER REVENUE	\$529,640.00	\$530,000.00
SERVICES	\$620.00	\$1,000.00
PENALTIES - WATER	\$5,104.00	\$5,000.00
TAPS & INSPECTIONS	\$500.00	\$1,000.00
MISC. INCOME	\$4,855.00	\$5,000.00
<b>TOTAL ANNUAL INCOME</b>	<b>\$540,719.00</b>	<b>\$542,000.00</b>
INTEREST INCOME	\$900.00	\$1,000.00
<b>TOTAL REVENUE</b>	<b>\$541,619.00</b>	<b>\$543,000.00</b>

**WATER USAGE:**

	'22 ANNUAL	ANNUAL NO. OF CUST.	LESS MIN. USAGE	CUST. ABOVE MIN.	AVG. USAGE PER MONTH
RESIDENTIAL	39,742,036	9440	(6,220,800)	<b>33,521,236</b>	<b>4,207</b>
COMMERCIAL	14,025,530	2199	(3,564,000)	<b>10,461,530</b>	<b>8,383</b>
2" COMMERCIAL	8,099,700	432			<b>18,749</b>

**EXISTING WATER RATES:**

RESIDENTIAL	\$16.50 \$5.50	MINIMUM FOR 2,000 GALLONS PER THOUSAND OR PART THEREOF
COMMERCIAL	\$40.00 \$6.00	MINIMUM FOR 5,000 GALLONS PER THOUSAND OR PART THEREOF

**TOWN OF OAK GROVE  
WATER DEPARTMENT  
WATER RATE ANALYSIS WITH 2023 PROJECTED NUMBERS**

**EXIHIBIT "E"**

Page 4 of 5

**EXISTING WATER RATES**

**WATER RATES (W/2022 USAGE)**

Residential Connections		800					
Average Residential Usage	4,207						
Monthly Minimum including	2000	\$ 16.50	\$ 16.50	\$ 101,376.00	<b>Total Projected Water Sales</b>	\$	<b>425,748.34</b>
Charge per 1000 gallons		\$ 5.50	\$ 12.14	\$ 74,578.94			
Multi House Connections							
# of Connections less than 2000 Gallon Usage		288	\$ 4,752.00	\$ 57,024.00	<b>Miscellaneous Income</b>	\$	<b>5,000.00</b>
				<b>\$ 232,978.94</b>			
Average Residential Bill		\$ 28.64			<b>Interest Income</b>	\$	<b>1,000.00</b>
Commercial Connections		182					
Average Commercial Usage	8,383						
Monthly Minimum including	5,000	\$ 40.00	\$ 50.00	\$ 87,360.00			
Charge per 1000 gallons		\$ 6.00	\$ 20.30	\$ 44,330.83			
# of Connections less than 2000 Gallon Usage		66	\$ 2,640.00	\$ 31,680.00	<b>TOTAL REVENUES</b>	\$	<b>431,748.34</b>
				<b>\$ 163,370.83</b>			
Average Commercial Bill		\$ 70.30					
2" Commercial		20					
Average Commercial Usage	18,749						
Monthly Minimum including	5,000	\$ 40.00	\$ 40.00	\$ 9,600.00			
Charge per 1000 gallons		\$ 6.00	\$ 82.49	\$ 19,798.56			
				<b>\$ 29,398.56</b>			
Average 2" Commercial Bill		\$ 122.49					
					<b>Proposed Operating Budget Needs</b>	\$	<b>369,300.00</b>
					<b>Gain/Loss</b>	\$	<b>62,448.34</b>
					<b>SUSTAINABILITY FACTOR</b>		<b>1.17</b>

**TOWN OF OAK GROVE  
WATER DEPARTMENT  
WATER RATE ANALYSIS WITH 2023 PROJECTED NUMBERS**

**EXIHIBIT "E"**

Page 5 of 5

**PROPOSED WATER RATES**

Residential Connections		800					
Average Residential Usage	4,207						
Monthly Minimum including	2000	\$ 17.00	\$ 17.00	\$ 104,448.00	<b>Total Projected Water Sales</b>	\$	<b>449,104.36</b>
Charge per 1000 gallons		\$ 6.00	\$ 13.24	\$ 81,358.85			
Multi House Connections							
# of Connections less than 2000 Gallon Usage	288		\$ 4,896.00	\$ 58,752.00	<b>Miscellaneous Income</b>	\$	<b>5,000.00</b>
				\$ 244,558.85			
Average Residential Bill		\$ 30.24			<b>Interest Income</b>	\$	<b>1,000.00</b>
Commercial Connections		182					
Average Commercial Usage	8,383						
Monthly Minimum including	5,000	\$ 42.00	\$ 50.00	\$ 91,728.00			
Charge per 1000 gallons		\$ 6.50	\$ 21.99	\$ 48,025.07			
# of Connections less than 2000 Gallon Usage	66		\$ 2,772.00	\$ 33,264.00	<b>TOTAL REVENUES</b>	\$	<b>455,104.36</b>
				\$ 173,017.07			
Average Commercial Bill		\$ 71.99					
2" Commercial		20					
Average Commercial Usage	18,749						
Monthly Minimum including	5,000	\$ 42.00	\$ 42.00	\$ 10,080.00			
Charge per 1000 gallons		\$ 6.50	\$ 89.37	\$ 21,448.44			
				\$ 31,528.44			
Average 2" Commercial Bill		\$ 131.37					
					<b>Proposed Operating Budget Needs</b>	\$369,300.00	
					<b>Gain/Loss</b>	\$	<b>85,804.36</b>
					<b>SUSTAINABILITY FACTOR</b>	1.23	

# EXHIBIT "G"

## TOWN OF OAK GROVE SEWER DEPT. - BUDGET FOR YEAR ENDING JUNE 30, 2023

1st Revision

	(A) Original Budget 2022-2023	(B) Last Adopted Budget 2022-2023	(C) Actual Year-to-Date as of 12/31/2022	(D) Estimated Remaining for Year	(E) Projected Result at Year End [C + D]	(F) % Change Last Adopted Budget vs. Projected Actual Result at Year End [E/F-1]	(G) Proposed Budget 2022-2023	(H) % Change Projected Actual Result At Year End vs. Proposed Budget [G/E-1]
<b>Income</b>								
41500 - Sewer Revenue	401,000	401,000	198,202	198,202	\$ 396,404	-1%	396,000	0%
41510 - Taps & Inspections	2,000	2,000	1,000	1,000	2,000	0%	2,000	0%
41513 - Interest Income	-	-	0	-	-	100%	-	100%
41599 - Misc Income	-	-	-	-	-	100%	-	100%
DEQ Forgiveness Loan - Manhole Covers	-	-	-	74,040	74,040	100%	74,000	0%
41550 - ACT 120 GRANT	25,000	25,000	25,000	-	25,000	0%	25,000	0%
41514 - Transfer In from Sales Tax	-	-	-	-	-	100%	-	100%
<b>Total Income</b>	<b>428,000</b>	<b>428,000</b>	<b>224,202</b>	<b>273,242</b>	<b>497,446</b>	<b>16%</b>	<b>497,000</b>	<b>0%</b>
<b>Expense</b>								
41135 - Sales Tax Loan	9,000	9,000	250	250	500	-94%	1,000	100%
41600 - Salaries - Admin	30,000	30,000	15,215	15,740	30,955	3%	31,000	0%
41610 - Salaries - Plant	34,000	34,000	19,699	19,699	39,397	16%	39,000	-1%
41625 - Employee Insurance	16,000	16,000	11,479	11,479	22,958	43%	23,000	0%
41626 - Employee Benefits - Mersol	9,000	9,000	5,000	5,000	9,999	11%	10,000	0%
41635 - Ameripride Uniforms	0	0	0	-	-	100%	0	100%
41699 - Payroll Taxes	5,000	5,000	2,671	2,671	5,342	7%	5,000	-6%
41702 - Gas & Fuel	4,000	4,000	3,041	3,041	6,082	52%	6,000	-1%
41708 - Accounting & Audit	1,000	1,000	242	242	483	-52%	0	-100%
41710 - Workers Comp. Ins/Unemp.	0	0	67	67	135	100%	0	-100%
41711 - Insurance - Auto/ Liab/Fire/Bond	19,000	19,000	16,002	16,002	32,004	68%	32,000	0%
41712 - Fees	8,000	8,000	1,297	1,297	2,594	-69%	3,000	16%
41713 - Ouachita Meter Reading Services	15,000	15,000	8,712	8,712	17,425	16%	17,000	-2%
41715 - Postage	2,000	2,000	1,585	1,585	3,170	58%	3,000	-5%
41716 - Office Supplies	5,000	5,000	1,139	1,139	2,278	-54%	2,000	-12%
41718 - Telephone	1,000	1,000	656	656	1,312	31%	1,000	-24%
41720 - Utilities - Gas & Elec.	22,000	22,000	13,017	13,017	26,033	18%	26,000	0%
41729 - Schools & Conventions	1,000	1,000	783	783	1,565	57%	2,000	28%
41799 - Misc Expenses	0	0	302	302	604	100%	1,000	65%
41800 - Repairs & Maint. Sewer System	28,000	28,000	51,539	125,579	177,118	533%	177,000	0%
41803 - Supplies	4,000	4,000	3,296	3,296	6,593	65%	7,000	8%
41804 - Equipment & General Repairs	0	0	21	21	42	100%	0	-100%
41805 - Truck-Repairs & Maint.	0	0	940	940	1,879	100%	2,000	6%
41806 - Plant & Lift Station Repairs	54,000	54,000	14,450	14,450	28,900	-46%	29,000	0%
41807 - DEQ Interest/Fees on Loan	5,000	5,000	2,269	2,269	4,538	-9%	5,000	10%
41808 - Engineering	20,000	20,000	7,500	7,500	15,000	-25%	15,000	0%
42001 - American Wastewater	112,000	112,000	61,698	61,698	123,396	10%	123,000	0%
42401 - Expense Reimbursement	1,000	1,000	289	289	578	-42%	1,000	73%
42406 - Computer Expense	1,000	1,000	645	645	1,289	29%	1,000	-22%
42407 - Lodging	1,000	1,000	-	-	-	-100%	0	100%
42352 - Transfer of Funds	-	-	-	-	-	100%	0	100%
42402 - Transfer Out to Water	-	-	-	-	-	100%	-	100%
<b>Total Expense</b>	<b>407,000</b>	<b>407,000</b>	<b>243,802</b>	<b>318,117</b>	<b>561,919</b>	<b>38%</b>	<b>562,000</b>	<b>0%</b>
<b>Net Income</b>	<b>21,000</b>	<b>21,000</b>	<b>(19,600)</b>	<b>(44,875)</b>	<b>(64,474)</b>	<b>-407%</b>	<b>(65,000)</b>	<b>1%</b>
<b>Fund balance, beginning of year</b>	<b>69,296</b>	<b>69,296</b>	<b>28,842</b>	<b>-</b>	<b>28,842</b>	<b>-58%</b>	<b>(35,632)</b>	<b>-224%</b>
<b>Fund balance, end of year</b>	<b>\$ 90,296</b>	<b>\$ 90,296</b>	<b>\$ 9,242</b>	<b>\$ (44,875)</b>	<b>\$ (35,632)</b>	<b>-139%</b>	<b>\$ (100,632)</b>	<b>182%</b>

\*\* Debit Service Fund - \$32,400 (Payment of \$30,000 will be paid in Mar 2023)

\*\*Bond Dep & Cont Fund - \$3,000

\*\*Bond Reserve Fund - \$6,000

\*\*Transfer of Funds Total - \$41,400 from Sewer Revenue Acct.

RE: SEWER RATE STUDY



**marilyn townofoakgrove.com**

terry lewis

3/24/2023 9:27 AM

From marilyn townofoakgrove.com ;  
marilyn@townofoakgrove.com

To terry lewis

630 residential  
155 Commercial  
20 - 2" Commercial

---

**From:** TERRY LEWIS <terry.lewis47@centurylink.net>  
**Sent:** Friday, March 24, 2023 8:32 AM  
**To:** marilyn townofoakgrove.com <marilyn@townofoakgrove.com>  
**Subject:** Re: Sewer Rate Study

Thanks, How many sewer customers are there? Residential, class 1 commercial and class 2 commercial.

On Fri, 24 Mar, 2023 at 8:19 AM, marilyn townofoakgrove.com <marilyn@townofoakgrove.com> wrote:

To: terry lewis

Yes, this is monthly, they manage our sewer plant.

---

**From:** TERRY LEWIS <terry.lewis47@centurylink.net>  
**Sent:** Thursday, March 23, 2023 4:33 PM  
**To:** marilyn townofoakgrove.com <marilyn@townofoakgrove.com>  
**Subject:** Sewer Rate Study

Marilyn:

In the sewer expense sheet, there is a line item expense for American Wastewater. Is this a recurring expense? What is it for?

Thanks,

Terry



State of Louisiana - Department of Environmental Quality  
State Revolving Fund Loan Repayment Schedule

Print Date: 9/1/2022  
Loan Amount: 1,000,000  
Interest Rate: 0.4500%  
Administrative Fee: 0.5000%  
Term: 20 years

Owner: OAK GROVE  
Number: 221921-01

Construction Period Interest (CPI)

Disbursement/ Repayment	No.	Beginning Balance	Draw Amount	Amount Accrued	Amt. Trans. to Principal	Annual Interest Accrued	Principal Paid/Due	Interest Paid/Due	Fees Paid/Due	Total Payment	Ending Balance
Disbursement	1	0.00	38,860.19			0.00	0.00	24.77	27.53	52.30	38,860.19
Repayment	1	38,860.19				24.77	0.00				38,860.19
Disbursement	2	38,860.19	11,050.31			34.49					49,890.50
Repayment	2	49,890.50				67.98	3,000.00	113.02	125.57	3,238.59	46,890.50
Disbursement	3	46,890.50	33,860.56			47.48					80,751.06
End FY		80,751.06				8.08					80,751.06
Disbursement	4	80,751.06	140,144.90			13.12					220,895.96
Disbursement	5	220,895.96	70,948.34			38.66					291,844.30
Repayment	3	291,844.30				233.48	0.00	330.25	366.95	697.20	291,844.30
Disbursement	6	291,844.30	101,865.38			7.30					393,709.68
Disbursement	7	393,709.68	115,318.20			29.53					509,027.88
Disbursement	8	509,027.88	67,613.17			349.96					576,641.05
Repayment	4	576,641.05				843.34	24,284.00	1,250.12	1,566.80	26,880.92	552,357.05
Disbursement	9	552,357.05	7,858.95			27.62					560,216.00
End FY		560,216.00				595.23					560,216.00
Repayment	5	560,216.00				637.25	0.00	1,265.25	1,405.83	2,671.08	560,216.00
Repayment	6	560,216.00				1,260.49	24,515.00	1,260.49	1,400.54	27,176.03	535,701.00
Repayment	7	535,701.00				1,205.33	0.00	1,205.33	1,339.25	2,544.58	535,701.00
Repayment	8	535,701.00				1,205.33	29,000.00	1,205.33	1,339.25	31,544.58	506,701.00
Repayment	9	506,701.00				1,140.08	0.00	1,140.08	1,266.75	2,406.83	506,701.00
Repayment	10	506,701.00				1,140.08	29,000.00	1,140.08	1,266.75	31,406.83	477,701.00
Repayment	11	477,701.00				1,074.83	0.00	1,074.83	1,194.25	2,269.08	477,701.00
Repayment	12	477,701.00				1,074.83	30,000.00	1,074.83	1,194.25	32,269.08	447,701.00
Repayment	13	447,701.00				1,007.33	0.00	1,007.33	1,119.25	2,126.58	447,701.00
Repayment	14	447,701.00				1,007.33	30,000.00	1,007.33	1,119.25	32,126.58	417,701.00
Repayment	15	417,701.00				939.83	0.00	939.83	1,044.25	1,984.08	417,701.00
Repayment	16	417,701.00				939.83	30,000.00	939.83	1,044.25	31,984.08	387,701.00
Repayment	17	387,701.00				872.33	0.00	872.33	969.25	1,841.58	387,701.00
Repayment	18	387,701.00				872.33	31,000.00	872.33	969.25	32,841.58	356,701.00
Repayment	19	356,701.00				802.58	0.00	802.58	891.75	1,694.33	356,701.00
Repayment	20	356,701.00				802.58	31,000.00	802.58	891.75	32,694.33	325,701.00
Repayment	21	325,701.00				732.83	0.00	732.83	814.25	1,547.08	325,701.00
Repayment	22	325,701.00				732.83	31,000.00	732.83	814.25	32,547.08	294,701.00

**State of Louisiana - Department of Environmental Quality  
State Revolving Fund Loan Repayment Schedule**

Print Date: 9/1/2022  
 Loan Amount: 1,000,000  
 Interest Rate: 0.45000%  
 Administrative Fee: 0.50000%  
 Term: 20 years

Borrower: OAK GROVE  
 Project Number: 221921-01

Construction Period Interest (CPI)

Date	Disbursement/ Repayment	No.	Beginning Balance	Draw Amount	Amount Accrued	Amt. Trans. to Principal	Annual Interest Accrued	Principal Paid/Due	Interest Paid/Due	Fees Paid/Due	Total Payment	Ending Balance
10/1/2028	Repayment	23	294,701.00				663.08	0.00	663.08	736.75	1,399.83	294,701.00
4/1/2029	Repayment	24	294,701.00				663.08	32,000.00	663.08	736.75	33,359.83	262,701.00
10/1/2029	Repayment	25	262,701.00				591.08	0.00	591.08	656.75	1,247.83	262,701.00
4/1/2030	Repayment	26	262,701.00				591.08	32,000.00	591.08	656.75	33,247.83	230,701.00
10/1/2030	Repayment	27	230,701.00				519.08	0.00	519.08	576.75	1,095.83	230,701.00
4/1/2031	Repayment	28	230,701.00				519.08	32,000.00	519.08	576.75	33,095.83	198,701.00
10/1/2031	Repayment	29	198,701.00				447.08	0.00	447.08	496.75	943.83	198,701.00
4/1/2032	Repayment	30	198,701.00				447.08	32,000.00	447.08	496.75	32,943.83	166,701.00
10/1/2032	Repayment	31	166,701.00				375.08	0.00	375.08	416.75	791.83	166,701.00
4/1/2033	Repayment	32	166,701.00				375.08	33,000.00	375.08	416.75	33,791.83	133,701.00
10/1/2033	Repayment	33	133,701.00				300.83	0.00	300.83	334.25	635.08	133,701.00
4/1/2034	Repayment	34	133,701.00				300.83	33,000.00	300.83	334.25	33,635.08	100,701.00
10/1/2034	Repayment	35	100,701.00				226.58	0.00	226.58	251.75	478.33	100,701.00
4/1/2035	Repayment	36	100,701.00				226.58	33,000.00	226.58	251.75	33,478.33	67,701.00
10/1/2035	Repayment	37	67,701.00				152.33	0.00	152.33	169.25	321.58	67,701.00
4/1/2036	Repayment	38	67,701.00				152.33	34,000.00	152.33	169.25	34,321.58	33,701.00
10/1/2036	Repayment	39	33,701.00				75.83	0.00	75.83	84.25	160.08	33,701.00
4/1/2037	Repayment	40	33,701.00				75.83	33,701.00	75.83	84.25	33,861.08	0.00
							Calculation Adjustment:					
							5.12					
							26,476.12	587,500.00	26,476.12	29,417.72	643,393.84	
							<b>Outstanding Disbursement Balance:</b>					
							587,500.00					
							412,500.00					

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		TOTAL	MONTHLY	ANNUAL
TOTAL CURRENT LOANS		AMOUNT	AMOUNT	AMOUNT
DEQ LOAN	\$477,701.00	\$34,538.16	\$2,878.18	\$34,538.16
DEQ DEBT RESERVE			\$2,700.00	\$32,400.00
DEQ BOND RESERVE			\$500.00	\$6,000.00
DEPRECIATION & CONTINGENCY			\$250.00	\$3,000.00
SALES TAX LOAN	\$65,892.41		\$250.00	\$3,000.00
		<b>TOTAL ANNUAL DEBT RETIREMENT COSTS</b>		<b>\$78,938.16</b>



**TOWN OF OAK GROVE  
SEWER DEPARTMENT  
SEWER RATE ANALYSIS WITH 2023 PROJECTED NUMBERS**

**EXHIBIT "J"**

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**EXPENSES:**

	<b><u>2022 ACTUAL</u></b>	<b><u>2023 BUDGET</u></b>
SALARIES-ADMIN	\$30,000.00	\$31,000.00
SALARIES-PLANT	\$34,000.00	\$52,000.00
BANK CHARGES		\$0.00
EMPLOYEE INSURANCE	\$16,000.00	\$23,000.00
EMP. BENEFITS - MERSOL	\$9,000.00	\$12,000.00
AMERIPRIDE UNIFORMS	\$0.00	\$0.00
PAYROLL TAXES	\$5,000.00	\$6,000.00
FUEL	\$4,000.00	\$6,000.00
ACCOUNTING & AUDIT	\$1,000.00	\$0.00
INS. LIABILITY, WORK COMP, BONDS	\$19,000.00	\$32,000.00
FEES	\$8,000.00	\$1,000.00
OUACHITA METER READING SERVICE	\$15,000.00	\$17,000.00
POSTAGE	\$2,000.00	\$3,000.00
OFFIC SUPPLIES	\$5,000.00	\$3,000.00
TELEPHONE	\$1,000.00	\$2,000.00
UTILITIES	\$22,000.00	\$35,000.00
SCHOOLS & CONVENTIONS	\$1,000.00	\$2,000.00
MISC.		\$1,000.00
REPAIRS & MAINTENANCE WATER SYSTEM	\$28,000.00	\$28,000.00
SUPPLIES	\$4,000.00	\$11,000.00
REPAIRS - PLANT & WELLS		\$51,000.00
TRUCK - REPAIRS & MAINT.	\$0.00	\$2,000.00
PLANT & LIFT STATIONS	\$54,000.00	\$3,000.00
SUPPLIES	\$5,000.00	\$9,000.00
DEQ INTEREST/FEES ON LOAN	\$5,000.00	\$3,000.00
AMERICAN WASTEWATER	\$123,396.00	\$123,000.00
COMPUTER EXPENSE	\$1,000.00	\$3,000.00
<b>TOTAL ANNUAL COST</b>	<b>\$392,396.00</b>	<b>\$459,000.00</b>
INTEREST ON BOND PAYMENT	<b>\$2,048.00</b>	<b>\$2,000.00</b>
<b>TOTAL ANNUAL EXPENSES</b>	<b>\$394,444.00</b>	<b>\$461,000.00</b>
<b>TOTAL ANNUAL DEBT RETIREMENT</b>		<b>\$78,938.16</b>
<b>TOTAL ANNUAL OPERATING NEEDS</b>		<b>\$539,938.16</b>

**TOWN OF OAK GROVE  
SEWER DEPARTMENT  
SEWER RATE ANALYSIS WITH 2023 PROJECTED NUMBERS**

**EXHIBIT "J"**

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**REVENUES:**

	<b><u>2022 ACTUAL</u></b>	<b><u>2023 BUDGET</u></b>
SEWER REVENUE	\$396,404.00	\$396,000.00
TAPS & INSPECTIONS	\$2,000.00	\$2,000.00
MISC. INCOME	\$0.00	\$0.00
<b>TOTAL ANNUAL INCOME</b>	<b>\$398,404.00</b>	<b>\$398,000.00</b>
<b>TOTAL REVENUE</b>	<b>\$398,404.00</b>	<b>\$398,000.00</b>

**EXISTING SEWER RATES**

RESIDENTIAL	\$17.25 \$5.00	MINIMUM FOR 2,000 GALLONS PER THOUSAND OR PART THEREOF
CLASS 1 COMMERCIAL	\$20.25 \$6.00	MINIMUM FOR 2,000 GALLONS PER THOUSAND OR PART THEREOF
CLASS 2 COMMERCIAL	\$30.00 \$7.00	MINIMUM FOR 2,000 GALLONS PER THOUSAND OR PART THEREOF

**TOWN OF OAK GROVE  
SEWER DEPARTMENT**

**EXHIBIT "J"**

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**SEWER RATE ANALYSIS WITH 2023 PROJECTED NUMBERS**

**EXISTING SEWER RATES**

Residential Connections		630					
Average Residential Usage	4,207						
Monthly Minimum including	2000	\$ 17.25	\$ 17.25	\$ 91,287.00	<b>Total Projected Water Sales</b>	\$	<b>362,685.78</b>
Charge per 1000 gallons		\$ 5.00	\$ 11.04	\$ 58,397.22			
Multi House Connections							
# of Connections less than 2000 Gallon Usage		189	\$ 3,260.25	\$ 39,123.00	<b>Miscellaneous Income</b>	\$	-
				\$ 188,807.22			
Average Residential Bill		\$ 28.29			<b>Interest Income</b>	\$	-
Class 1 Commercial Connections		155					
Average Commercial Usage	11,039				<b>Tax Revenues</b>		
Monthly Minimum including	2,000	\$ 20.25	\$ 20.25	\$ 23,085.00			
Charge per 1000 gallons		\$ 6.00	\$ 54.23	\$ 100,875.24			
					<b>TOTAL REVENUES</b>		<b>\$ 362,685.78</b>
# of Connections less than 2000 Gallon Usage		60	\$ 1,215.00	\$ 14,580.00			
				\$ 138,540.24			
Average Class 1 Commercial Bill		\$ 74.48					
Class 2 Commercial Connections		20					
Average Commercial Usage	18,749						
Monthly Minimum including	2,000	\$ 30.00	\$ 30.00	\$ 7,200.00			
Charge per 1000 gallons		\$ 7.00	\$ 117.24	\$ 28,138.32			
				\$ 35,338.32			
Average Class 2 Commercial Bill		\$ 147.24					

**Proposed Operating  
Budget Needs** **\$539,938.16**

**Gain/Loss** **\$ (177,252.38)**

**NOTE: SUS. FACTOR SHOULD BE 1.15**

**SUSTAINABILITY  
FACTOR** **0.67**

**TOWN OF OAK GROVE  
SEWER DEPARTMENT  
SEWER RATE ANALYSIS WITH 2023 PROJECTED NUMBERS  
PROPOSED FINAL SEWER RATES**

**EXHIBIT "J"**

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Residential Connections		630					
Average Residential Usage	4,207						
Monthly Minimum including	2000	\$ 25.00	\$ 25.00	\$ 132,300.00	<b>Total Projected Water Sales</b>	\$	<b>565,626.25</b>
Charge per 1000 gallons		\$ 8.00	\$ 17.66	\$ 93,435.55			
Multi House Connections		.					
# of Connections less than 2000 Gallon Usage		189	\$ 4,725.00	\$ 56,700.00	<b>Miscellaneous Income</b>	\$	-
				\$ 282,435.55			
Average Residential Bill		\$ 42.66			<b>Interest Income</b>	\$	-
Class 1 Commercial Connections		155					
Average Commercial Usage	11,039				<b>Tax Revenues</b>		
Monthly Minimum including	2,000	\$ 45.00	\$ 45.00	\$ 51,300.00			
Charge per 1000 gallons		\$ 9.00	\$ 81.35	\$ 151,312.86			
# of Connections less than 2000 Gallon Usage		60	\$ 2,700.00	\$ 32,400.00	<b>TOTAL REVENUES</b>	\$	<b>565,626.25</b>
				\$ 235,012.86			
Average Class 1 Commercial Bill		\$ 126.35					
Class 2 Commercial Connections		20					
Average Commercial Usage	18,749						
Monthly Minimum including	2,000	\$ 50.00	\$ 50.00	\$ 12,000.00			
Charge per 1000 gallons		\$ 9.00	\$ 150.74	\$ 36,177.84			
				\$ 48,177.84			
Average Class 2 Commercial Bill		\$ 200.74					
					<b>Proposed Operating Budget Needs</b>		<b>\$539,938.16</b>
					<b>Gain/Loss</b>	\$	<b>25,688.09</b>
					<b>SUSTAINABILITY FACTOR</b>		<b>1.05</b>

**TOWN OF OAK GROVE  
SEWER DEPARTMENT**

**EXHIBIT "J"**

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**SEWER RATE ANALYSIS WITH 2023 PROJECTED NUMBERS  
PROPOSED INTERIM SEWER RATES**

Residential Connections		630					
Average Residential Usage	4,207						
Monthly Minimum including	2000	\$ 21.50	\$ 21.50	\$ 113,778.00	<b>Total Projected Water Sales</b>	\$	<b>452,861.48</b>
Charge per 1000 gallons		\$ 6.25	\$ 13.79	\$ 72,996.53			
Multi House Connections							
# of Connections less than 2000 Gallon Usage		189	\$ 4,063.50	\$ 48,762.00	<b>Miscellaneous Income</b>	\$	-
				\$ 235,536.53			
Average Residential Bill		\$ 35.29			<b>Interest Income</b>	\$	-
Class 1 Commercial Connections		155					
Average Commercial Usage	11,039				<b>Tax Revenues</b>		
Monthly Minimum including	2,000	\$ 25.30	\$ 25.30	\$ 28,842.00			
Charge per 1000 gallons		\$ 7.50	\$ 67.79	\$ 126,094.05			
# of Connections less than 2000 Gallon Usage		60	\$ 1,518.00	\$ 18,216.00	<b>TOTAL REVENUES</b>	\$	<b>452,861.48</b>
				\$ 173,152.05			
Average Class 1 Commercial Bill		\$ 93.09					
Class 2 Commercial Connections		20					
Average Commercial Usage	18,749						
Monthly Minimum including	2,000	\$ 37.50	\$ 37.50	\$ 9,000.00			
Charge per 1000 gallons		\$ 8.75	\$ 146.55	\$ 35,172.90			
				\$ 44,172.90			
Average Class 2 Commercial Bill		\$ 184.05					
					<b>Proposed Operating Budget Needs</b>	\$	<b>539,938.16</b>
					<b>Gain/Loss</b>	\$	<b>(87,076.69)</b>
					<b>SUSTAINABILITY FACTOR</b>		<b>0.84</b>

**TOWN OF OAK GROVE  
SEWER DEPARTMENT**

**EXHIBIT "J"**

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**SEWER RATE ANALYSIS WITH 2023 PROJECTED NUMBERS  
PROPOSED INTERIM SEWER RATES**

Residential Connections		630					
Average Residential Usage	4,207						
Monthly Minimum including	2000	\$ 18.97	\$ 18.97	\$ 100,389.24	<b>Total Projected Water Sales</b>	\$	<b>398,925.86</b>
Charge per 1000 gallons		\$ 5.50	\$ 12.14	\$ 64,236.94			
Multi House Connections							
# of Connections less than 2000 Gallon Usage		189	\$ 3,585.33	\$ 43,023.96	<b>Miscellaneous Income</b>	\$	-
				\$ 207,650.14			
Average Residential Bill		\$ 31.11			<b>Interest Income</b>	\$	-
Class 1 Commercial Connections		155					
Average Commercial Usage	11,039				<b>Tax Revenues</b>		
Monthly Minimum including	2,000	\$ 22.28	\$ 22.28	\$ 25,399.20			
Charge per 1000 gallons		\$ 6.60	\$ 59.66	\$ 110,962.76			
					<b>TOTAL REVENUES</b>		<b>\$ 398,925.86</b>
# of Connections less than 2000 Gallon Usage		60	\$ 1,336.80	\$ 16,041.60			
				\$ 152,403.56			
Average Class 1 Commercial Bill		\$ 81.94					
Class 2 Commercial Connections		20					
Average Commercial Usage	18,749						
Monthly Minimum including	2,000	\$ 33.00	\$ 33.00	\$ 7,920.00			
Charge per 1000 gallons		\$ 7.70	\$ 128.97	\$ 30,952.15			
				\$ 38,872.15			
Average Class 2 Commercial Bill		\$ 161.97					
					<b>Proposed Operating Budget Needs</b>		<b>\$539,938.16</b>
					<b>Gain/Loss</b>	\$	<b>(141,012.30)</b>
					<b>SUSTAINABILITY FACTOR</b>		<b>0.74</b>

**TOWN OF OAK GROVE  
SEWER DEPARTMENT  
SEWER RATE ANALYSIS WITH 2023 PROJECTED NUMBERS**

**EXHIBIT "J"**

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YEAR	RESIDENTIAL	CLASS 1 COMMERCIAL	CLASS 2 COMMERCIAL	INCREASE	NET OPERATING BUDGET DEFICIENT/SURPLUS
	10%	15%	15%		
	17.25	20.25	30.00		
	5.00	6.00	7.00		
1	18.98	23.29	34.50		(\$138,698.00)
	5.50	6.60	7.70		
2	20.87	25.62	39.68		(\$100,489.00)
	6.05	7.26	8.47		
3	22.96	28.18	45.63		(\$53,413.00)
	6.66	7.99	9.32		
4	25.26	31.00	52.47		(\$4,409.00)
	7.32	8.78	10.25		
5	27.78	34.10	60.34		\$49,717.00
	8.05	9.66	11.27		
6	30.56	37.50	69.39		\$105,001.00
	8.86	10.63	12.40		

**TOWN OF OAK GROVE  
SEWER DEPARTMENT  
SEWER RATE ANALYSIS WITH 2023 PROJECTED NUMBERS**

**EXHIBIT "J"**

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YEAR	RESIDENTIAL	CLASS 1 COMMERCIAL	CLASS 2 COMMERCIAL		NET OPERATING BUDGET DEFICIENT/SURPLUS
	25%	25%	25%	INITIAL	
	17.25	20.25	30.00	INCREASE	
	5.00	6.00	7.00		
1	21.56	25.31	37.50		(\$86,698.00)
	6.25	7.50	8.75		
<hr/>					
2	10%	10%	10%	INCREASE	
	23.72	27.84	43.13		(\$40,713.00)
	6.88	8.25	9.63		
3	26.09	30.63	49.59		\$9,700.00
	7.56	9.08	10.59		
4	28.70	33.69	57.03		
	8.32	9.98	11.65		
5	31.57	37.06	65.59		
	9.15	10.98	12.81		
6	34.73	40.77	75.43		
	10.07	12.08	14.09		