Capital Area Groundwater Conservation District

Board Meeting

State Capitol - House Committee Room 4

December 10, 2021 10:30 a.m.

I. **Call to Order**
William Daniel – CAGCD Chairman

II. **Roll Call**
Gary Beard – CAGCD Executive Director

III. **Establishment of a Quorum**
William Daniel – CAGCD Chairman

IV. **Invocation**
Gary Beard – CAGCD Executive Director

V. **Pledge of Allegiance**
William Daniel – CAGCD Chairman

VI. **Recognition of Guests**
William Daniel – CAGCD Chairman

VII. **Approval of Minutes of Previous Meeting**
William Daniel – CAGCD Chairman **(Action Required)**

VIII. **Amendments to the Agenda – William Daniel – CAGCD Chairman**

IX. **Executive Director's Report** -Gary Beard - CAGCD Executive Director
a) Rate increase - **(action required)**
b) New well permits **(action required)**

X. **Chairman's report**
William Daniel – CAGCD Chairman

XI. **Member Agenda Items**

XII. **Old Business**

XIII. **New Business**

XIV. **Commissioner Comments**
William Daniel – CAGCD Chairman

XV. **Announcements**
William Daniel – CAGCD Chairman

XVI. **Public Comment** (Non-agenda items only)
William Daniel – CAGCD Chairman

XVII. **Adjournment**
William Daniel – CAGCD Chairman **(action required)**

3535 S. Sherwood Forest Blvd., Suite 137, Baton Rouge, LA 70816-2255
Telephone (225) 293-7370, Website: capitalareagroundwater.com

MINUTES

NEW WELL PERMITS

Overview

Two simulations were run to test the impacts of (a) increasing groundwater withdrawals at two wells in the Exxon facility by 25% and (b) replacing an existing municipal supply well in the City of Baker with an equivalent system with the same specifications and location. In both simulations, the aquifer in question is the "2,800-ft" sand, and the conditions are simulated 40 years into the future. Note that the results of these simulations are unpublished and preliminary.

Additionally, available data is summarized regarding groundwater conditions in the 1,200-ft and 2,000-ft sand, regarding a proposed well in the Exxon facility, screened in the 1,200-ft sand, which will replace two wells screened in the 600-ft sand that were plugged in May 2019, and be used to offset pumping in the 2,000-ft sand. A model simulation was not run to test the impact of this proposed well.

Models and limitations

The simulations were run using the following published chloride transport and flow model:

Heywood, C.E., Lindaman, M., and Lovelace, J.K., 2019, Simulation of groundwater flow and chloride transport in the "1,500-foot" sand, "2,400-foot" sand, and "2,800-foot" sand of the Baton Rouge area, Louisiana: U.S. Geological Survey Scientific Investigations Report 2019–5102, 49 p., https://doi.org/10.3133/sir20195102.

Limitations of this model include outdated pumpage datasets (published model archive is current to the year 2016) and a generally poor chloride transport calibration for the 2,800-ft sand for the leading edge of the plume area, as judged by simulated vs. observed values at two key wells.

A different published model, and its accompanying report, were referenced to summarize available data regarding the proposed well in the 1,200-ft sand:

Simulation of groundwater flow and chloride transport in the "1,200-foot" sand with scenarios to mitigate saltwater migration in the "2,000-foot" sand in the Baton Rouge area, Louisiana, https://pubs.er.usgs.gov/publication/sir20155083

Simulation results

Increased pumping at two wells in the Exxon facility:

Compared to a base case scenario where these wells continue pumping at their current rate, the leading edge of the plume moves about 500 ft farther North. Water levels near the margin of the plume decline an additional 2 ft.

Replacement well in the City of Baker:

Because the well is replacing an equivalent existing well, three scenarios were run:

(1) the new well pumps at the 2016 rate of the well it is replacing
(2) the new well pumps at 1 million gallons/day, which is the rate suggested on the application
(3) the new well does not go online and the old well is phased out.

Compared to the base case scenario (1), scenario (2) shows about 2 ft of additional water level decline in the vicinity of the well, but the decline does not significantly affect the plume's trajectory or rate of movement. In comparison to scenario (1), scenario (3) shows about 3 ft of water level recovery in the vicinity of the well site, and about 2 ft near the plume margin. The trajectory of the plume shifts slightly westward, but its rate does not change significantly.

Summary of simulation results

The simulated changes across 40 years for both proposed well modifications are relatively minor. Both the water level cones of depression and the saltwater intrusion rate in the 2,800-ft sand are primarily controlled by the cumulative effect of about 18 wells that are pumping from this sand in an area about 6-7 miles north of the plume's approximate current position. It is projected that larger changes would be required to affect these conditions in the aquifer, both positively and negatively.

Summary of available data – 1,200-ft sand and 2,000-ft sand

Two figures from Heywood and others, 2015 are below. These figures show the industrial district that includes the Exxon facility, and the simulated water level contours the plume location (as of 2012) for the 1,200-ft and 2,000-ft sands.

Both aquifers have water level cones of depression centered on the Baton Rouge industrial district. However, only the 2,000-ft sand has significant observed saltwater intrusion. Low levels chloride (56.3 mg/L as of 2019) in the 1,200-ft sand have been observed North of the Baton Rouge fault to the east, near where Jefferson Highway crosses I-12. Two (now plugged) wells in West Baton Rouge Parish, in the Port of Baton Rouge facility, have recorded chloride of around 200 mg/L when last measured in 1986, but their locations may be south of the fault.

Given the available information, it would be preferable to withdraw from the 1,200-ft sand versus the 2,000-ft sand with regards to saltwater intrusion rate. However, there is a scarcity of wells screened in the 1,200-ft sand that can be sampled for chloride between the Baton Rouge fault and the industrial district, and this creates a large zone of uncertainty where water quality conditions cannot be tracked.

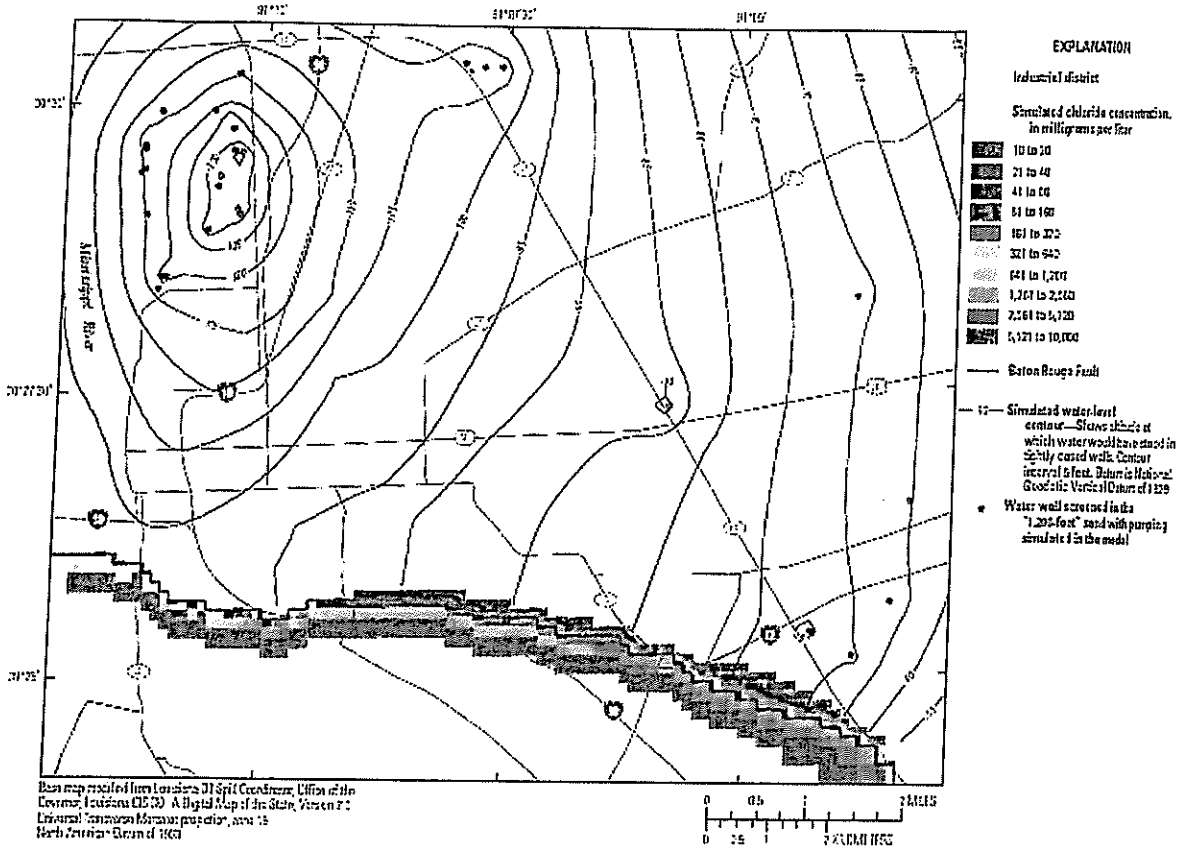

Figure 12. Simulated 2012 water levels and chloride concentrations in the "1,200-foot" sand of the Baton Rouge area in the detailed model area in southeastern Louisiana.

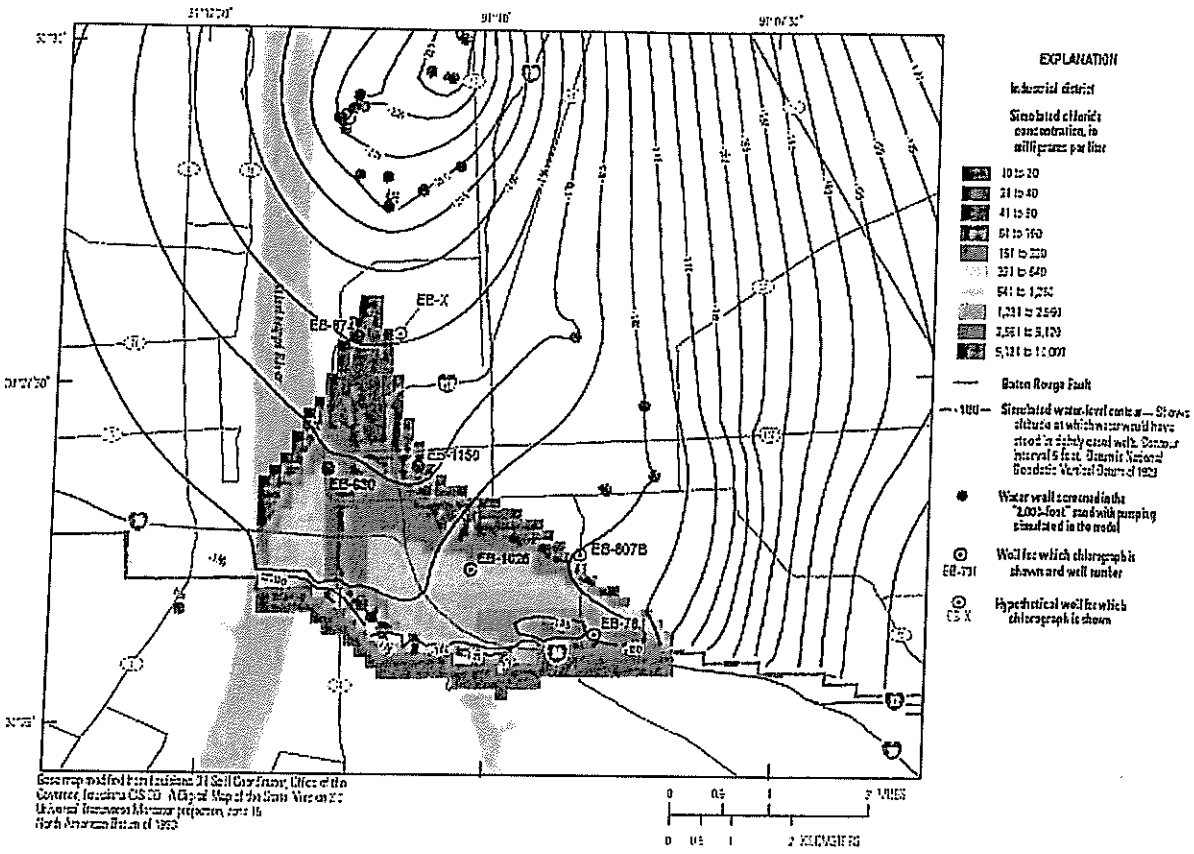

Figure 17. Simulated 2012 water levels and chloride concentrations at the base of the "2,000-foot" sand of the Baton Rouge area in the detailed model area in southeastern Louisiana.

CAPITAL AREA GROUND WATER CONSERVATION COMMISSION

Application for a Permit to Drill a New Water Well

Authority: L.R.S. 38:3071 et seq. (Act 1974, No. 678, as amended by Act 1976, No. 231, Act 1980, No. 738, Act 2003, No. 49, Act 2012 No. 601 and Act 795 of 2014.)

Who must apply: All non-exempt users in Capital Area District, consisting of Parishes of East Baton Rouge, East Feliciana, Pointe Coupee, West Baton Rouge, and West Feliciana (See reverse for District Rules and Permit Criteria)

How and When to Apply: At least 30 days prior to planned drilling date, send this form along with a set of well plans to conform to the requirements in the water well permit rules. (See reverse for District Rules and Permit Criteria)

Applicant (well owner): ExxonMobil Baton Rouge Refinery **Phone:** _____
Agent (If other than owner): _____ **Phone:** _____
Mailing address: 4045 Scenic Highway
Baton Rouge LA 70805
Driller: Layne **WWC No.** 010

Anticipated date of well installation: October 2021

Location of site (Precise location, including site map, will be required for the completed well.)
Latitude (DMS) 30 29' 30.5" N
Longitude (DMS) 91 11' 11.3" W
Depth of Well 1200' **Casing Size** 22" **Screen Size** 16"
Aquifer to be screened: 1200 ft sand

Use of water: Public Supply ( ) Industrial (X) Power Generation ( )
Other (Describe) _____

Proposed Well Yield 2,000 gpm
Anticipated Average Daily Pumpage (in gallons) 2,880,000

Location and depth of nearby wells within 1,000 feet of proposed well site (attach more sheets as necessary)
See attached list of water wells by Latitude/Longitude Report

Signature of applicant or agent _____ **Date** Sept 24/21
Printed Name: David Oldreive

This permit is valid only for the location and well plans specified and expires 12 months from date of issue. No fee is required for a permit.

Mail to: Capital Area Ground Water Conservation District
3535 S. Sherwood Forest, #137
Baton Rouge, Louisiana 70816-2255

OFFICE USE ONLY

Permit: Granted ( ) Denied ( ) **Permit No.:** _____ **Date:** _____
Justification and/or remarks _____

Form P1 (2/16) Approved by: _____

CAPITAL AREA GROUND WATER CONSERVATION COMMISSION

Application for a Permit to Drill a New Water Well

Authority: L.R.S. 38:3071 et seq. (Act 1974, No. 678, as amended by Act 1976, No. 231, Act 1980, No. 738, Act 2003, No. 49, Act 2012 No. 601 and Act 795 of 2014.)

Who must apply: All non-exempt users in Capital Area District, consisting of Parishes of East Baton Rouge, East Feliciana, Pointe Coupee, West Baton Rouge, and West Feliciana (See reverse for District Rules and Permit Criteria)

How and When to Apply: At least 30 days prior to planned drilling date, send this form along with a set of well plans to conform to the requirements in the water well permit rules. (See reverse for District Rules and Permit Criteria)

Applicant (well owner): Village of Wilson Phone: 225-629-5415
Agent (If other than owner): Professional Engineering Cons. Phone: 225-769-2810
Mailing address: 6538 Sycamore Street
Wilson, La. 70789
Driller: Mid South Water, LLC WWC No. 6064

Anticipated date of well installation: January 2022

Location of site (Precise location, including site map, will be required for the completed well.)
Latitude (DMS) 30° 55' 0.6" N
Longitude (DMS) -91° 7' 10.1e W
Depth of Well 1,550 feet **Casing Size** 10" **Screen Size** 6"
Aquifer to be screened: 2800 Foot, BR

Use of water: Public Supply (X) Industrial ( ) Power Generation ( )
Other (Describe) Redundant Well

Proposed Well Yield 300 gpm
Anticipated Average Daily Pumpage (in gallons) 144,000 gallons

Location and depth of nearby wells within 1,000 feet of proposed well site (attach more sheets as necessary)
Ex. Wilson Water Well, 300 gpm, 20'e completion, 105' north of proposed well

Signature of applicant or agent Kevin A. Gravois **Date** 11-11-2021
Printed Name: Kevin A. Gravois

This permit is valid only for the location and well plans specified and expires 12 months from date of issue. No fee is required for a permit.

Mail to: Capital Area Ground Water Conservation District
3535 S. Sherwood Forest, #137
Baton Rouge, Louisiana 70816-2255

OFFICE USE ONLY

Permit: Granted ( ) Denied ( ) **Permit No.:** _____ **Date:** _____
Justification and/or remarks _____

Form P1 (2/16) Approved by: _____

CAPITAL AREA GROUND WATER CONSERVATION COMMISSION

Application for a Permit to Drill a New Water Well

Authority: L.R.S. 38:3071 et seq. (Act 1974, No. 678, as amended by Act 1976, No. 231, Act 1980, No. 738, Act 2003, No. 49, Act 2012 No. 601 and Act 795 of 2014.)

Who must apply: All non-exempt users in Capital Area District, consisting of Parishes of East Baton Rouge, East Feliciana, Pointe Coupee, West Baton Rouge, and West Feliciana (See reverse for District Rules and Permit Criteria)

How and When to Apply: At least 30 days prior to planned drilling date, send this form along with a set of well plans to conform to the requirements in the water well permit rules. (See reverse for District Rules and Permit Criteria)

Applicant (well owner): City of Baker Phone: 225-778-0300
Agent (If other than owner): Professional Engineering Cons. Phone: 225-769-2810
Mailing address: P.O. Box 707
Baker, La. 70704
Driller: Griner Drilling Service, Inc WWC No. 059

Anticipated date of well installation: July 2022

Location of site (Precise location, including site map, will be required for the completed well.)
Latitude (DMS)
Longitude (DMS)
Depth of Well 2,400' depth Casing Size 16" Screen Size 10"
Aquifer to be screened: 2,800 Evt, BR

Use of water: Public Supply (X) Industrial ( ) Power Generation ( )
Other (Describe) Replacement of Mississippi St. well

Proposed Well Yield 1,000 gpm
Anticipated Average Daily Pumpage (in gallons) 960,000 gallons per day

Location and depth of nearby wells within 1,000 feet of proposed well site (attach more sheets as necessary)
Ex. well, 1000 gpm, 1959, 600 feet north of proposed water well

Signature of applicant or agent Kevin A. Gravois Date 11-11-21
Printed Name: Kevin A. Gravois, P.E.
PEC Engineers

This permit is valid only for the location and well plans specified and expires 12 months from date of issue. No fee is required for a permit.

Mail to: Capital Area Ground Water Conservation District
3535 S. Sherwood Forest, #137
Baton Rouge, Louisiana 70816-2255

OFFICE USE ONLY

Permit: Granted ( ) Denied ( ) **Permit No.:** _____ **Date:** _____
Justification and/or remarks _____

Form P1 (2/16) Approved by: _____

CAPITAL AREA GROUND WATER CONSERVATION COMMISSION

Application for a Permit to Drill a New Water Well

Authority: L.R.S. 38:3071 et seq. (Act 1974, No. 678, as amended by Act 1976, No. 231, Act 1980, No. 738, Act 2003, No. 49, Act 2012 No. 601 and Act 795 of 2014.)

Who must apply: All non-exempt users in Capital Area District, consisting of Parishes of East Baton Rouge, East Feliciana, Pointe Coupee, West Baton Rouge, and West Feliciana (See reverse for District Rules and Permit Criteria)

How and When to Apply: At least 30 days prior to planned drilling date, send this form along with a set of well plans to conform to the requirements in the water well permit rules. (See reverse for District Rules and Permit Criteria)

Applicant (well owner): Village of Norwood Phone: 225-629-5347
Agent (If other than owner): Professional Engineering Cons. Phone: 225-769-2810
Mailing address: 13722 Elm Street
Norwood, La. 70761
Driller: Griner Drilling Service, Inc. WWC No. 059

Anticipated date of well installation: February 2022

Location of site (Precise location, including site map, will be required for the completed well.)
Latitude (DMS) 30° 58' 4.49" N
Longitude (DMS) -91° 6' 13.43" W
Depth of Well 460 Feet **Casing Size** 10" **Screen Size** 6"
Aquifer to be screened: 400-foot sand of BR.

Use of water: Public Supply (X) Industrial ( ) Power Generation ( )
Other (Describe) Redundant Well

Proposed Well Yield 250 gpm
Anticipated Average Daily Pumpage (in gallons) 240,000 gallons

Location and depth of nearby wells within 1,000 feet of proposed well site (attach more sheets as necessary)
EF-295, 450 feet depth, 250 gpm by Griner Drilling in 1999

Signature of applicant or agent Kevin A. Gravois **Date** 11-10-21
Printed Name: Kevin A. Gravois, PE.
PEC Engineers

This permit is valid only for the location and well plans specified and expires 12 months from date of issue. No fee is required for a permit.

Mail to: Capital Area Ground Water Conservation District
3535 S. Sherwood Forest, #137
Baton Rouge, Louisiana 70816-2255

OFFICE USE ONLY

Permit: Granted ( ) Denied ( ) **Permit No.:** _____ **Date:** _____
Justification and/or remarks _____

Form P1 (2/16) Approved by: _____

5 YEAR ESTIMATED PLAN

Budget for 2021-2022 Fiscal Year - CAGCD

(Beginning July 1, 2021 - June 30, 2022)

REVENUE	2021-2022	
Estimated pumpage income	1,040,000	
Estimated interest income	1,500	
EBR - Saltwater (USGS model)	35,100	
Parish Cooperative Agreements	57,820	
Sub-Total	1,134,420	available in reserve
Additional Funding Needed:	712,066	$ 626,443.54
Revenue from Rate Increase	0	
TOTAL:	1,846,486	

CATEGORY A: PERSONNEL EXPENSES

Salary & Related Expenses		Budget FY 2021-2022
Personnel (Ex. Dir. & Admin. Asst.)		203,500
Benefits	0.461216	93,857
New Personnel w/ Benefits		95,000
Subtotal of Personnel Expenses		392,357

CATEGORY B: OPERATING EXPENSES

Postage	1,500
Printing	4,000
Office Supplies	2,500
Information Technology	10,000
Dues/Subscriptions	1,200
Meetings	3,000
Bank Fees	5,000
Legal Notices	2,000
Insurance	7,000
Field Equipment	2,500
Field Expenses	350
Office Equipment	5,000
Travel	4,000
Meeting Space	1,500
Office Rent	32,000
Miscellaneous	1,500
Subtotal of Operating Expenses	83,050

CATEGORY C: CONTRACTS

USGS	
USGS Phase II	29,167
USGS Modeling Study	134,700
USGS Level Data Collection #172	6,450
USGS Subsidence Wells #173	6,700
Additional Testing	172,417
CPA (D. Shoptaugh)	9,600
Audit (J. McKowen)	6,000
Emergent Method (J. Snow)	0
Legal Services	
Attorney General's Office	0
Marionneaux Kantrow	60,000
Parish Cooperative Agreements #137	57,820
Field Technician (S. Capello)	48,000
Technical - Architecture/engineering	7,500
Phase/II Saltwater Remediation	0
CPRA (The Water Institute)	632,876
Public Outreach - Hometown Productions	21,500
Rampart Resources	0
Well Sampling	20,000
Outside Consultants	95,349
Website & IT Consultants	15,000
Computer Consultant (M.Staub)	3,000
The "W" Group	15,000
Paul Rainwater	25,000
Miscellaneous	5,000
Subtotal of Contracts	1,371,079

TOTAL	1,846,486

Projected Budget for 2022-2023 Fiscal Year

(Beginning July 1, 2022 - June 30, 2023)

REVENUE	2022-2023	
Pumpage	1,040,000	52000
Interest	1,500	
EBR	35,100	
Parish CEA	57,820	
Sub-Total	1,134,420	
Transfer from Reserves	0	
Revenue from Rate Increase	2,231,968	$ 42.92 increase
TOTAL:	3,366,388	

CATEGORY A: PERSONNEL EXPENSES

Salary & Related Expenses		Budget FY 2022-2023
Personnel		243,500
Benefits	0.48	116,880
New Personnel w/ Benefits (dpy dir)		187,500
Subtotal of Personnel Expenses		547,880

CATEGORY B: OPERATING EXPENSES

Postage	1,575
Printing	4,200
Office Supplies	2,625
Information Technology	10,500
Dues/Subscriptions	1,260
Meetings	3,150
Bank Fees	5,250
Legal Notices	2,100
Insurance	7,350
Field Equipment	2,625
Field Expenses	368
Office Equipment	5,250
Travel	4,200
Meeting Space	5,000
Office Rent	60,000
Miscellaneous	1,575
Subtotal of Operating Expenses	117,028

CATEGORY C: CONTRACTS

USGS	
USGS Phase II	30,625
USGS Modeling Study	141,435
USGS Level Data Collection #172	6,773
USGS Subsidence Wells #173	7,035
Additional Testing	181,038
CPA (D. Shoptaugh)	10,080
Audit (J. McKowen)	6,300
Emergent Method (J. Snow)	15,000
Legal Services	
Attorney General's Office	0
Marionneaux Kantrow	63,000
Parish Cooperative Agreements #137	57,820
Field Technician (S. Capello)	50,400
Technical - Architecture/engineering	10,000
Metering Program	1,595,000
CPRA (The Water Institute)	342,500
Public Outreach - Hometown Productions	22,575
Rampart Resources	10,000
Well Sampling	21,000
Outside Consultants	50,000
Website & IT Consultants	15,750
Computer Consultant (M.Staub)	3,150
The "W" Group	15,750
Paul Rainwater	26,250
Miscellaneous	20,000
Subtotal of Contracts	2,701,481

TOTAL 3,366,388

Projected Budget for 2023-2024 Fiscal Year

(Beginning July 1, 2023 - June 30, 2024)

REVENUE	2023-2024	
Pumpage	3,271,968	
Interest	1,500	
EBR	35,100	
Parish CEA	57,820	
Sub-Total	3,366,388	
Transfer from Reserves	0	
Revenue from Rate Increase	98,733	$ 1.90 increase
TOTAL:	3,465,122	

CATEGORY A: PERSONNEL EXPENSES

Salary & Related Expenses		Budget FY 2023-2024
Personnel		255,675
Benefits	0.48	122,724
New Personnel w/ Benefits (deputy dir)		196,875
Subtotal of Personnel Expenses		575,274

CATEGORY B: OPERATING EXPENSES

Postage	1,654
Printing	4,410
Office Supplies	2,756
Information Technology	11,025
Dues/Subscriptions	1,323
Meetings	3,308
Bank Fees	5,513
Legal Notices	2,205
Insurance	7,718
Field Equipment	2,756
Field Expenses	386
Office Equipment	5,513
Travel	4,410
Meeting Space	7,000
Office Rent	63,000
Miscellaneous	1,654
Subtotal of Operating Expenses	124,629

CATEGORY C: CONTRACTS

USGS	
USGS Phase II	32,157
USGS Modeling Study	148,507
USGS Level Data Collection #172	7,111
USGS Subsidence Wells #173	7,387
Additional Testing	190,090
CPA (D. Shoptaugh)	10,584
Audit (J. McKowen)	6,615
Emergent Method (J. Snow)	0
Legal Services	
Attorney General's Office	0
Marionneaux Kantrow	66,150
Parish Cooperative Agreements #137	57,820
Field Technician (S. Capello)	52,920
Technical - Architecture/engineering	10,500
Metering Program	1,595,000
CPRA (The Water Institute)	386,680
Public Outreach - Hometown Productions	23,704
Rampart Resources	10,500
Well Sampling	22,050
Outside Consultants	52,500
Website & IT Consultants	16,538
Computer Consultant (M.Staub)	3,308
The "W" Group	16,538
Paul Rainwater	27,563
Miscellaneous	21,000
Subtotal of Contracts	2,765,219

TOTAL 3,465,122

Projected Budget for 2024-2025 Fiscal Year

(Beginning July 1, 2024 - June 30, 2025)

REVENUE	2024-2025	
Pumpage	3,370,702	
Interest	1,500	
EBR	35,100	
Parish CEA	57,820	
Sub-Total	3,465,122	
Transfer from Reserves	0	
Revenue from Rate Increase	191,592	$ 3.68 Increase
TOTAL:	3,656,714	

CATEGORY A: PERSONNEL EXPENSES

Salary & Related Expenses		Budget FY 2024-2025
Personnel		268,459
Benefits	0.48	128,860
New Personnel w/ Benefits (dpy. Dir & engr)		306,719
Subtotal of Personnel Expenses		704,038

CATEGORY B: OPERATING EXPENSES

Postage	1,736
Printing	4,631
Office Supplies	2,894
Information Technology	11,576
Dues/Subscriptions	1,389
Meetings	3,473
Bank Fees	5,788
Legal Notices	2,315
Insurance	8,103
Field Equipment	2,894
Field Expenses	405
Office Equipment	5,788
Travel	4,631
Meeting Space	10,000
Office Rent	70,000
Miscellaneous	1,736
Subtotal of Operating Expenses	137,360

CATEGORY C: CONTRACTS

USGS	
USGS Phase II	33,764
USGS Modeling Study	155,932
USGS Level Data Collection #172	7,467
USGS Subsidence Wells #173	7,756
Additional Testing	199,594
CPA (D. Shoptaugh)	11,113
Audit (J. McKowen)	6,946
Emergent Method (J. Snow)	0
Legal Services	
Attorney General's Office	0
Marionneaux Kantrow	69,458
Parish Cooperative Agreements #137	57,820
Field Technician (S. Capello)	55,566
Technical - Architecture/engineering	11,025
Metering Program	1,595,000
CPRA (The Water Institute)	377,541
Public Outreach - Hometown Productions	24,889
Rampart Resources	11,025
Well Sampling	23,153
Outside Consultants	55,125
Website & IT Consultants	17,364
Computer Consultant (M.Staub)	3,473
The "W" Group	17,364
Paul Rainwater	28,941
Miscellaneous	25,000
Monitoring Wells	20,000
Subtotal of Contracts	2,815,316

TOTAL	3,656,714

Projected Budget for 2025-2026 Fiscal Year

(Beginning July 1, 2024 - June 30, 2025)

REVENUE	2025-2026	
Pumpage	3,562,294	
Interest	1,500	
EBR	35,100	
Parish CEA	57,820	
Sub-Total	3,656,714	
Transfer from Reserves	0	
Revenue from Rate Increase	0	$ (0.00) Increase
TOTAL:	3,656,714	

CATEGORY A: PERSONNEL EXPENSES

Salary & Related Expenses		Budget FY 2024-2025
Personnel		281,882
Benefits	0.48	135,303
New Personnel w/ Benefits (dpy dir & engr. & staff)		414,055
Subtotal of Personnel Expenses		831,240

CATEGORY B: OPERATING EXPENSES

Postage	1,823
Printing	4,862
Office Supplies	3,039
Information Technology	12,155
Dues/Subscriptions	1,459
Meetings	3,647
Bank Fees	6,078
Legal Notices	2,431
Insurance	8,509
Field Equipment	3,039
Field Expenses	425
Office Equipment	6,078
Travel	4,862
Meeting Space	12,000
Office Rent	80,000
Miscellaneous	16,272
Subtotal of Operating Expenses	166,677

CATEGORY C: CONTRACTS

USGS	
USGS Phase II	35,453
USGS Modeling Study	163,729
USGS Level Data Collection #172	7,840
USGS Subsidence Wells #173	8,144
Additional Testing	209,574
CPA (D. Shoptaugh)	11,669
Audit (J. McKowen)	7,293
Emergent Method (J. Snow)	0
Legal Services	
Attorney General's Office	0
Marionneaux Kantrow	72,930
Parish Cooperative Agreements #137	57,820
Field Technician (S. Capello)	58,344
Technical - Architecture/engineering	11,576
Metering Program	1,595,000
CPRA (The Water Institute)	58,482
Public Outreach - Hometown Productions	26,133
Rampart Resources	50,000
Well Sampling	24,310
Outside Consultants	80,000
Website & IT Consultants	18,233
Computer Consultant (M.Staub)	3,647
The "W" Group	18,233
Paul Rainwater	30,388
Miscellaneous	50,000
Monitoring Wells	60,000
Subtotal of Contracts	2,658,797

TOTAL	3,656,714