

THE STATE OF TEXAS §
COUNTY OF BRAZORIA §
CITY OF MANVEL §



LARRY AKERY, COUNCIL PLACE 1
LORRAINE HEHN, COUNCIL PLACE 2
NICCOLE TYSON, COUNCIL PLACE 3
ED PERRY, COUNCIL PLACE 4
JASON ALBERT, COUNCIL PLACE 5
JEROME HUDSON, COUNCIL PLACE 6

DEBRA DAVISON, MAYOR
KYLE JUNG, CITY MANAGER
TAMMY BELL, CITY SECRETARY

**NOTICE OF A CITY COUNCIL MEETING
OF THE CITY OF MANVEL
August 1, 2022**

**NOTICE IS HEREBY GIVEN
5:00 P.M. WORKSHOP
6:00 P.M. REGULAR SESSION**

Pursuant to Chapter 551, Title 5 of the Texas Government Code, the Texas Open Meetings Act, notice is hereby given that the City of Manvel will convene a regular meeting at the Manvel City Hall, located at 20031 Hwy 6, Manvel Tx 77578 for the purpose of discussing and if appropriate, take action with respect to the following items:

NOTE: The City Council of the City of Manvel reserves the right to discuss any items in Closed Session whenever authorized under the Texas Open Meetings Act, Chapter 551, of the Texas Government Code. The City Council may discuss the items on this agenda in any order.

This facility is wheelchair accessible and accessible parking spaces are available. Requests for accommodations or interpreter services must be made 48 hours prior to this meeting. Please contact the City Secretary at 281-489-0630 X6 for further information.

Workshop Session

Discussion on the Fiscal Year 2022-2023 Proposed Budget

Regular Session

Call To Order

Inspirational Reading - Council Member Hudson

Pledge

Pledge of Allegiance and Texas Pledge: "Honor the Texas flag; I pledge allegiance to thee Texas, one state under God, one and indivisible.

Public Comments: "Comment Card" Required

Member of the public with business before the board, NOT scheduled on the agenda as a public hearing (that has submitted a public comment card) may have three (3) minutes to address the board. The board may not participate in any discussion and cannot vote on the subject you present unless it is listed on the agenda as an action item.

City Manager Update

Update on current events and city issues.

*Update on Regional Drainage Pond Project.

Consent Agenda

All Consent Agenda items listed are considered to be routine by the City Council and will be approved by one motion. There will be no separate discussion of these items unless a City Council Member so requests, in which event the item will be removed from the Consent Agenda and considered in sequence on the Agenda.

1. Approve Master Plan for Valencia (dated July 19, 2022) BEING 438.4 ACRES OF LAND, MANVEL, TEXAS. (Forwarded with recommendation by PD&Z)
2. Approve meeting minutes to date.

Regular Agenda

1. Consideration and possible action to approve the first of two readings of Ordinance 2022-O-22;
AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE CITY OF MANVEL, TEXAS, BY AMENDING SECTION 41-4 "SCHOOL ZONES" OF THE CODE OF ORDINANCES TO REVISE THE PROVISIONS PERTAINING TO TIMES AND PLACES FOR SCHOOL ZONES; AUTHORIZING THE ENFORCEMENT OF ALL STATE REGULATIONS; AUTHORIZING THE PLACEMENT OF SIGNS INDICATING THE SPEED LIMITS ON THE STREETS AND PORTIONS OF STREETS DESIGNATED HEREIN; REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES INCONSISTENT OR CONFLICT HERewith; PROVIDING A PENALTY OF AN AMOUNT OF NOT LESS THAN ONE DOLLAR (\$1) OR MORE THAN TWO HUNDRED DOLLARS (\$200) FOR VIOLATION OF ANY PROVISION HEREOF; AND PROVIDING FOR SEVERABILITY.
2. Consideration and possible action to approve the second and final reading of Ordinance 2022-O-21;
AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE CITY OF MANVEL, TEXAS, CHAPTER 71. "UTILITIES" BY ADOPTING NEW RATES FOR WATER AND SEWER; MAKING OTHER CHANGES TO THE ORDINANCE GOVERNING THE PROVISION OF UTILITIES WITHIN THE CIT OF MANVEL; PROVIDING A PENALTY IN AN AMOUNT NOT TO EXCEED \$2,000.00 FOR ANY VIOLATION OF ANY PROVISION OF THIS ORDINANCE; REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES INCONSISTENT OR IN CONFLICT HERewith; AND PROVIDING FOR SEVERABILITY.

3. Consideration and possible action to approve Resolution 2022-R-10;
A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MANVEL, TEXAS,
ADOPTING A SCHEDULE OF FEES, RATES, DEPOSITS, AND OTHER
CHARGES FOR ZONING, PLATTING, BUILDING AND OTHER RELATED
MATTERS; AND REPEALING ALL RESOLUTIONS IN CONFLICT HERE WITH;
AND OTHER RELATED MATTERS.

Mayor and Council Comments

Update on current events and city issues.

Additionally, pursuant to Texas Government Code § 551.0415, City Council Members and city staff may make a report about items of community interest during a meeting of the governing body without having given notice of the report.

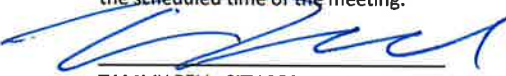
Items of community interest include:

- Expressions of thanks, congratulations, or condolence;
- Information regarding holiday schedules;
- An honorary or salutory recognition of a public official, public employee, or other citizen, except that a discussion regarding a change in the status of a person's public office or public employment is not an honorary or salutory recognition for purposes of this subdivision;
- A reminder about an upcoming event organized or sponsored by the governing body;
- Information regarding a social, ceremonial, or community event organized or sponsored by an entity other than the governing body that was attended or is scheduled to be attended by a member of the governing body or an official or employee of the municipality; and
- Announcements involving an imminent threat to the public health and safety of people in the municipality that has arisen after the posting of the agenda.

Adjourn

CERTIFICATION

I, Tammy Bell, City Secretary for the City of Manvel, do hereby certify that the foregoing Agenda of the City of Manvel is true and correct; and that I posted such notice on the bulletin board at the Manvel City Hall. A place convenient and readily accessible to the public on July 29, 2022 in accordance with the Texas Open Meetings Act (Tex. Gov't. Code §551.001 et.seq). Said notice remained posted for at least 72 hours preceding the scheduled time of the meeting.


TAMMY BELL, CITY SECRETARY
CITY OF MANVEL, TEXAS





City of Manvel

P. O. Box 187
20025 HWY 6
Manvel, Texas 77578

(281) 489-0630
Fax (281) 489-0634

AGENDA REQUEST

REQUEST MUST BE MADE ACCORDING TO THE SUBMITTAL SCHEDULE

Meeting Requested: (Please check applicable meeting)

Planning, Development & Zoning	☐	City Council	☐	Both	☐
--------------------------------	--------------------------	--------------	--------------------------	------	--------------------------

Date of Request: _____

YOUR REQUEST WILL BE PLACED ON THE NEXT AVAILABLE MEETING DATE. MEETINGS ARE SECOND AND FOURTH MONDAYS FOR PLANNING, DEVELOPMENT & ZONING AND FIRST AND THIRD MONDAYS FOR CITY COUNCIL. THE AGENDAS ARE POSTED TO THE GENERAL PUBLIC AT MANVEL CITY HALL AND ON OUR WEBSITE AT www.cityofmanvel.com. THE AGENDA IS POSTED AND WILL REMAIN POSTED CONTINUOUSLY FOR AT LEAST 72 HOURS PRECEDING THE SCHEDULED TIME OF THE MEETING. PLEASE CHECK THE BOARD FOR YOUR MEETING SCHEDULE. WE STRONGLY ENCOURAGE YOU TO ATTEND THE MEETING FOR QUESTIONS AND ANSWERS. IF YOU ARE UNABLE TO ATTEND ACTION MAY BE TABLED UNTIL THE FOLLOWING MEETING.

Person to Speak: _____

Daytime Phone: _____ Fax Number: _____

E-mail Address: _____

Description of Request and Physical Address:

Plats:

Preliminary _____

Final _____

ALL DOCUMENTATION AND FEES ASSOCIATED WITH THIS AGENDA REQUEST MUST BE SUBMITTED ACCORDING TO THE MEETING SUBMITTAL SCHEDULE WHICH CAN BE FOUND ON OUR WEBSITE. BY SIGNING THIS AGENDA REQUEST FORM I ACKNOWLEDGE THAT I HAVE READ AND UNDERSTAND THIS AGENDA REQUEST FORM.

SIGNATURE

DATE

**DEVELOPMENT SERVICES DEPARTMENT**

20025 HIGHWAY 6
MANVEL, TX 77578
281-489-0630

Planning, Development and Zoning Commission Report

Plat Name	Valencia Master Plan (dated July 19, 2022)
Applicant	Katy Harris, LJA Engineering
PD&Z Meeting Date	July 25, 2022
Recommendation	Approval
Submitted By	Jessica Rodriguez, Director of Development Services

Background

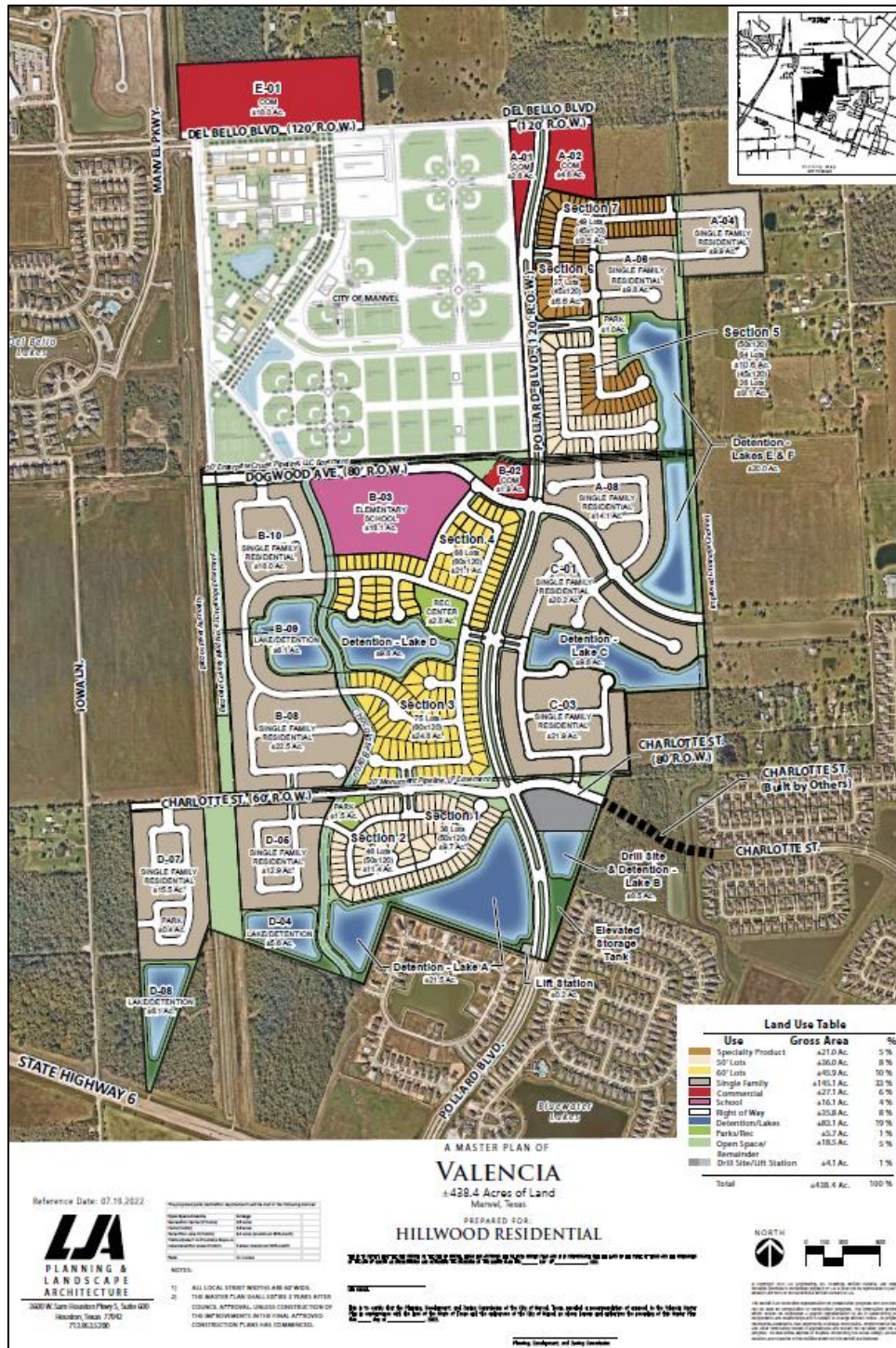
On January 10, 2022, the Planning, Development and Zoning Commission did not recommend approval to City Council for this Master Plan. The City Council did not approve this Master Plan at their January 18, 2022, meeting. This Master Plan was re-submitted on June 13, 2022. It was heard by the Commission on June 27, 2022, and was recommended for approval to the City Council. The City Council heard this Master Plan on July 5, 2022. The City Council did not approve this Master Plan. The Valencia Master Plan was submitted again on July 11, 2022, for consideration by the Commission and City Council. City staff has been able to clear comments from the June 13, 2022, submittal

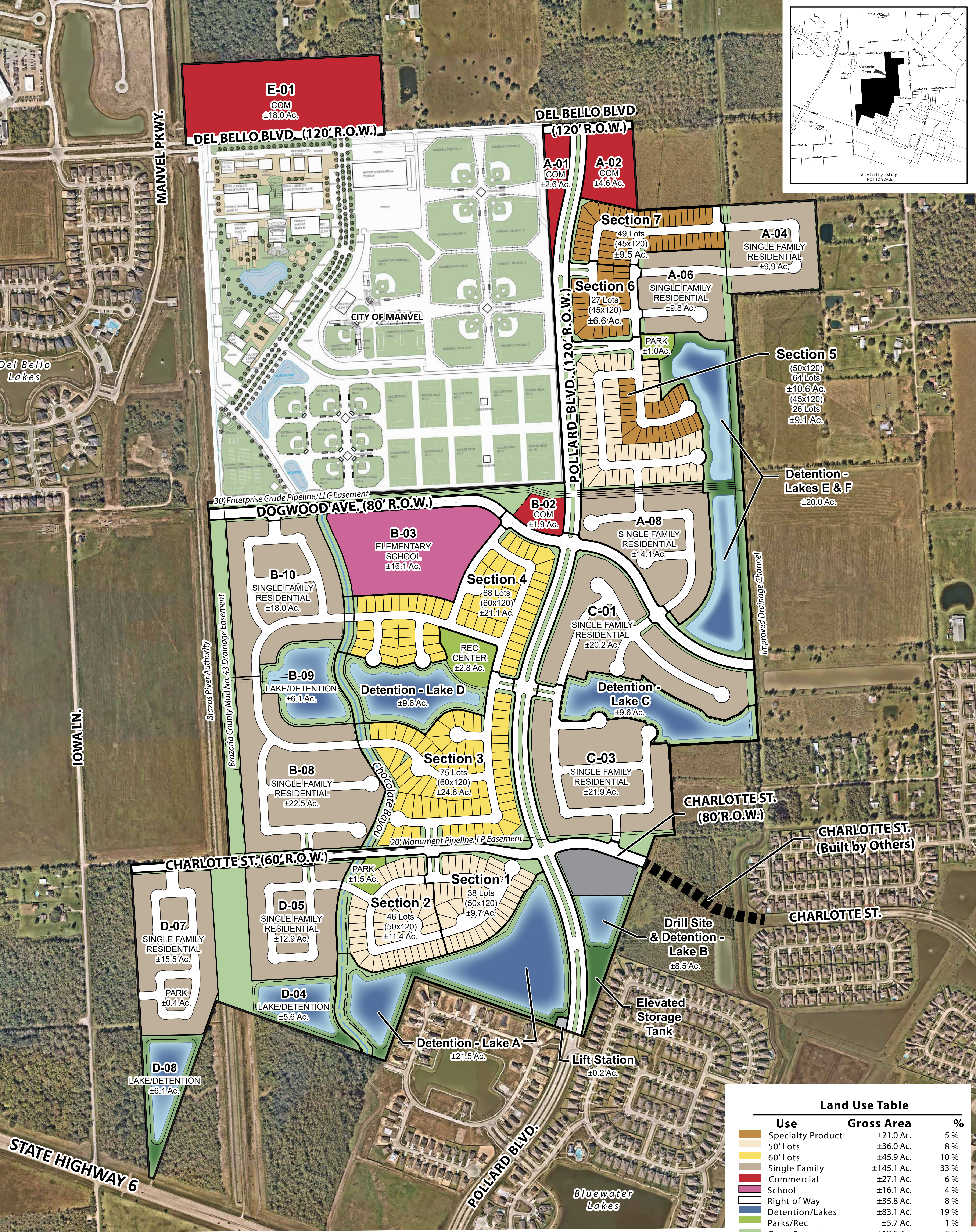
Staff Recommendation

City staff recommends approval of the Valencia Master Plan (dated July 19, 2022).



Valencia Master Plan





Land Use Table		
Use	Gross Area	%
Specialty Product	±21.0 Ac.	5 %
50' Lots	±36.0 Ac.	8 %
60' Lots	±45.9 Ac.	10 %
Single Family	±145.1 Ac.	33 %
Commercial	±27.1 Ac.	6 %
School	±16.1 Ac.	4 %
Right of Way	±35.8 Ac.	8 %
Detention/Lakes	±83.1 Ac.	19 %
Parks/Rec	±5.7 Ac.	1 %
Open Space/Remainder	±18.5 Ac.	5 %
Drill Site/Lift Station	±4.1 Ac.	1 %
Total	±438.4 Ac.	100 %

Reference Date: 07.19.2022



3600 W. Sam Houston Pkwy S, Suite 600
Houston, Texas 77042
713.953.5200

The proposed parks dedication requirements will be met in the following manner:		
Open Space Amenity	Acreage	
Recreation Center (Private)	2.8 acres	
Parks (Public)	2.9 acres	
Detention-Lake D (Public)	3.4 acres (maximum 35% credit)	
Trails adjacent to Chocolate Bayou or Lake/detention areas (Public)	2 acres (maximum 50% credit)	
Total	11.1 acres	

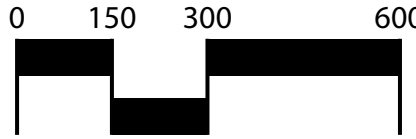
NOTES:

- 1) ALL LOCAL STREET WIDTHS ARE 60' WIDE.
- 2) THE MASTER PLAN SHALL EXPIRE 3 YEARS AFTER COUNCIL APPROVAL, UNLESS CONSTRUCTION OF THE IMPROVEMENTS IN THE FINAL APPROVED CONSTRUCTION PLANS HAS COMMENCED.

CITY COUNCIL

This is to certify that the Planning, Development, and Zoning Commission of the City of Manvel, Texas, provided a recommendation of approval to the Valencia Master Plan in conformance with the laws of the State of Texas and the ordinances of the City of Manvel as shown hereon and authorizes the recording of this Master Plan this ____ day of ____, 2022.

Planning, Development, and Zoning Commission



© Copyright 2022 LJA Engineering, Inc. Drawings, written material, and design concepts provided is considered property of LJA & shall not be reproduced in part or whole in any form or format without written consent of LJA.

This exhibit is an illustrative representation for presentation purposes only and should not be used for computation or construction purposes. The information provided within should be considered a graphic representation to aid in determining plan components and relationships and is subject to change without notice. All property boundaries, easements, road alignments, drainage, flood plains, environmental issues and other information shown is approximate and should not be relied upon for any purpose. No warranties, express or implied, concerning the actual design, accuracy, location, and character of the facilities shown on this exhibit are intended.

ORDINANCE NO. 2022-O-22

AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE CITY OF MANVEL, TEXAS, BY AMENDING SECTION 41-4 "SCHOOL ZONES" OF THE CODE OF ORDINANCES TO REVISE THE PROVISIONS PERTAINING TO TIMES AND PLACES FOR SCHOOL ZONES; AUTHORIZING THE ENFORCEMENT OF ALL STATE REGULATIONS; AUTHORIZING THE PLACEMENT OF SIGNS INDICATING THE SPEED LIMITS ON THE STREETS AND PORTIONS OF STREETS DESIGNATED HEREIN; REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES INCONSISTENT OR CONFLICT HERewith; PROVIDING A PENALTY OF AN AMOUNT OF NOT LESS THAN ONE DOLLAR (\$1) OR MORE THAN TWO HUNDRED DOLLARS (\$200) FOR VIOLATION OF ANY PROVISION HEREOF; AND PROVIDING FOR SEVERABILITY.

* * * * *

WHEREAS, the Texas Transportation Code § 545.356, provides that, upon the basis of an engineering and traffic investigation, the governing body of a City may determine and declare a reasonable and safe prima facie speed limit thereat or thereon by the passage of an Ordinance, which shall be effective when appropriate signs giving notice thereof are erected at such intersection or other place or part of the street of highway; and

WHEREAS, the Texas Transportation Code § 545.357, provides that, the governing body of a municipality hereby determines that the prima facie speed limits for school zones, hereafter indicated for vehicles are hereby determined and declared to be reasonable and safe; and such speed limits are hereby fixed at the rate of speed indicated for vehicles traveling upon the named streets and highways, or parts thereof; and

WHEREAS, consistent with the above-cited authority, the City of Manvel has established prima facie speed limits for school zones and adopted Sec.41-4 of The City Code to govern speeds in school zones in the City of Manvel; and

WHEREAS, based on discussions and analysis between the city engineer, chief of police and AISD representatives, it is recommended that certain times for school zones in section 41-4 be adjusted and the ordinance amended, in the interest of health, safety and welfare; now, therefore,

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF MANVEL,
TEXAS:

Section 1. The facts and matters contained in the preamble of this Ordinance are hereby found to be true and correct.

Section 2. The Code of Ordinances of the City of Manvel, Chapter 41. “Traffic and Motor Vehicles,” Section 41-4 “School Zones” Texas is hereby amended to read and provide as follows:

“Chapter 41 - TRAFFIC AND MOTOR VEHICLES

...

Sec. 41-4. School Zones.

(a) No person shall operate a vehicle at a speed greater than 20 miles per hour on any day that school is in session between 6:45 a.m. and 9:00 a.m. and between 2:30 p.m. and ~~[4:30 p.m.]~~ 5:00 p.m. when passing through the following properly marked school zone in the city:

Large Road 125 feet east, from the centerline of Masters Road to a point 170 feet east of School Road.

School Road 170 feet south of Large Road north to the intersection of Lewis Lane.

Lewis Lane from Masters Road approximately 1000 feet east of the centerline of its intersection of School Road.

Lewis Lane from McCoy to Masters Road.

McCoy Road from its intersection with Morris Avenue, north to its intersection with Charlotte Street.

Meridiana Parkway from the centerline of Morris Avenue south approximately 250 feet.

- (b) No person shall operate a vehicle at a speed greater than 20 miles per hour on any day that school is in session between 7:15 a.m. and 9:00 a.m. and between 2:30 p.m. and ~~[4:30 p.m.]~~ 5:00 p.m. when passing through the following properly marked school zone in the city:

Along Palm Desert Drive from 120 feet west of its intersection with Garden Ridge Court, to County Road 48.

- (c) No person shall operate a vehicle at a speed greater than 25 miles per hour when passing through the following properly marked school zone in the city, between the hours of 6:45 ~~[AM]~~ a.m. to ~~[9:00 AM]~~ 8:45 a.m. and 2:30 ~~[PM]~~ p.m. to 4:30 ~~[PM]~~ p.m. when school zone sign is flashing:

Along Masters Road from a point 200 feet north of the centerline of Large Road to the point 232 feet to the south of the centerline of Cedar Street, a distance of approximately 0.421 miles.

(d) No person shall operate a vehicle at a speed greater than 35 miles per hour when passing through the following properly marked school zone in the city, between the hours of 6:45 [~~AM~~] a.m. to [~~9:00 AM~~] 8:45 a.m. and 2:30 [~~PM~~] p.m. to [~~4:30 PM~~] 3:30 p.m. when school zone sign is flashing:

Morris Avenue a distance of 1830 feet from Wilson Road to a point 1150 feet west of McCoy Road.

(e) No person shall operate a vehicle at a speed greater than 20 miles per hour on any day that school is in session between 7:15 a.m. and 9:00 a.m. and between 2:30 p.m. and [~~4:30 p.m.~~] 5:00 p.m. when passing through the following properly marked school zones in the city:

County Road 58 from a point on the west side of County Road 48 to a point 1000 feet east of County Road 48.

County Road 48 from the centerline of County Road 58 to a point 1000 feet north of County Road 58.

County Road 48 from a point of the center line of County Road 58 south 2000 feet.

(f) No person shall operate a vehicle at a speed greater than 35 miles per hour on any day that school is in session between 7:15 a.m. and 9:00 a.m. and between 2:30 p.m. and [~~4:30 p.m.~~] 5:00 p.m. when passing through the following properly marked school zone in the city:

County Road 48 from 1000 feet north of the centerline of County Road 58 to a point 800 feet north.

County Road 48 from 2000 feet south of the centerline of County Road 58 to a point 1700 feet south.

(g) No person shall operate a vehicle at a speed greater than 20 miles per hour on any day that school is in session between 7:00 a.m. and 9:00 a.m. and between 4:00 p.m. and 5:00 p.m. when passing through the following properly marked school zones in the city:

Pursley Boulevard from its intersection of Meridiana Parkway approximately 2250 feet north.

(h) No person shall operate a vehicle at a speed greater than 25 miles per hour on any day that school is in session between 7:00 a.m. and 9:00 a.m. and between 4:00 p.m. and 5:00 p.m. when passing through the following properly marked school zones in the city:

Meridiana Parkway at its Centerline of Pursley Boulevard approximately 235 feet east and approximately 235 feet west.

All state regulations prohibiting the use of wireless communication devices on the streets and portions of streets properly designated herein, and during the hours designated herein, and property marked shall be strictly enforced.”

Section 3. The City Manager, or his designated representative, is hereby authorized and directed to place or cause to be placed appropriate traffic control devices to effectuate the establishment of the school zone speed limit and other speed limit.

Section 4. All ordinances or parts of ordinances inconsistent or in conflict herewith are, to the extent of such inconsistency or conflict, hereby repealed.

Section 5. Any person who shall intentionally, knowingly, recklessly, or with criminal negligence violate any of the provisions of this Ordinance shall be deemed guilty of a misdemeanor and, upon conviction thereof, shall be fined in an amount of not

less than one dollar (\$1) or more than Two Hundred Dollars (\$200), or higher amount as permitted by law.

Section 6. In the event any clause phrase, provision, sentence, or part of this Ordinance or the application of the same to any person or circumstances shall for any reason be adjudged invalid or held unconstitutional by a court of competent jurisdiction, it shall not affect, impair, or invalidate this Ordinance as a whole or any part or provision hereof other than the part declared to be invalid or unconstitutional; and the City Council of the City of Manvel, Texas, declares that it would have passed each and every part of the same notwithstanding the omission of any such part thus declared to be invalid or unconstitutional, whether there be one or more parts.

PASSED AND APPROVED on first reading this _____ day of _____, 2022.

PASSED, APPROVED, AND ADOPTED on second and final reading this _____ day of _____, 2022.

Debra Davison, Mayor

Attest:

Tammy Bell, City Secretary

APPROVED AS TO FORM:

Robert Gervais, City Attorney

ORDINANCE NO. 2022-O-21

AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE CITY OF MANVEL, TEXAS, CHAPTER 71. “UTILITIES” BY ADOPTING NEW RATES FOR WATER AND SEWER; MAKING OTHER CHANGES TO THE ORDINANCE GOVERNING THE PROVISION OF UTILITIES WITHIN THE CIT OF MANVEL; PROVIDING A PENALTY IN AN AMOUNT NOT TO EXCEED \$2,000.00 FOR ANY VIOLATION OF ANY PROVISION OF THIS ORDINANCE; REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES INCONSISTENT OR IN CONFLICT HERewith; AND PROVIDING FOR SEVERABILITY.

* * * * *

WHEREAS, pursuant to **Texas Water Code** § 13.042, the governing body of each municipality has exclusive original jurisdiction over all water and sewer utility rates, operations, and services provided by a water and sewer utility within its corporate limits;

WHEREAS, pursuant to **Tex. Loc. Gov’t Code** § 552.001(b), a municipality is permitted to operate and regulate a utility system “in a manner that protects the interests of the municipality”;

WHEREAS, the City Council of the City of Manvel seeks to exercise its exclusive original jurisdiction over water and sewer utility rates and operations and adopt new rates and provisions governing the provision of utilities by the City of Manvel; and

WHEREAS, the City Council commissioned Freese and Nichols to prepare a Water and Wastewater Rate Study to report on water and sewer rates and utility operations; and

WHEREAS, the City Council has reviewed all necessary data to make a reasonable determination of rate base, expenses, investment, and rate of return within the municipal boundaries, including the Water and Wastewater Rate Study by Freese and Nichols; and

WHEREAS, the City Council deems the new rates to be fair, just, and reasonable; and

WHEREAS, the revisions to the city’s utility ordinance are deemed to be in the best interest of the City of Manvel; NOW THEREFORE,

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF MANVEL, TEXAS:

Section 1. The 2022 Water and Wastewater Rate Study prepared by Freese and Nichols, attached hereby as Exhibit A, is hereby adopted and approved.

Section 2. The Code of Ordinances of the City of Manvel, Texas is hereby amended by amending Chapter 71. "Utilities", to read and provide as follows:

"Chapter 71 UTILITIES

ARTICLE I. IN GENERAL

Sec. 71-1. Definitions.

The following words, terms and phrases, when used in this chapter, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

Commercial user means any user of the city's water and sewer system that is not a single-family residential user or a multifamily residential user, including, but not limited to, commercial establishments, churches, and schools.

Consumer means the occupant of a residential, commercial or industrial structure within the area of the city, whether the owner, renter or lessee thereof.

Delinquent bill means a bill for water and/or sewer service, which has not been paid by the due date listed on the bill [~~within twenty days after the date of the bill for the preceding month's service~~].

Multifamily residential user means any use of the city's water and sewer system, other than a single-family residential user or a commercial user, that consists of a building designed for use and occupancy by multifamily units, including apartments, townhouses, and other multifamily dwelling units.

Nontaxable entity means an entity, which is exempt from ad valorem taxation under V.T.C.A., Tax Code § 11.01 et seq.

Operator means the person, firm, corporation, municipal corporation or political subdivision with which the city has contracted for operation and maintenance of plants and lines of the city's system.

Owner means the record title owner of a residential, commercial, or industrial structure within the city, whether an individual, partnership, or corporation.

Separate connection means each residential unit occupied by a separate family or person, including separate apartments and townhouses within a single building, and each business unit occupied by a separate business, including separate establishments within a single building.

Single-family residential user means any user of the city's water and sewer system that consists of one residence designed for use and occupancy by a single-family unit.

System means the water and/or sanitary sewer facilities of the city and all extensions and additions thereto, whether now in place or hereafter constructed.

Unacceptable plumbing practices means practices not accepted by or which are in violation of the [~~Uniform Plumbing Code~~] International Plumbing Code.

Sec. 71-2. Tap and inspection fees.

(a) *Water connection fees (residential and commercial users).*

- (1) Water users shall be connected to the city's water system by the city in accordance with city policy. Prior to the connection of a residential or commercial user to the city's water system, a connection fee assessed in accordance with the following fee schedule shall be paid to the city to cover the cost of making said connection and the cost of materials. The user shall also be responsible for repairing or restoring any yards, sidewalks, streets or other improvements affected by the installation of the connection to the satisfaction of the city's inspector within 30 days of the installation. Notwithstanding that repair or restoration costs are part of the connection fee, upon failure of the user to complete the repairs on a timely manner, the city's operator will make such repairs and the user shall have the city's cost of the repairs billed to them on the next month's water and/or sewer bill.

WATER CONNECTION FEE SCHEDULE

Single-family residential:

<i>Meter Size</i>	<i>Cost</i>
3/4"	\$550 plus ½ cost of any required bore
>3/4"	\$750 plus ½ cost of any required bore

Multifamily residential and non-residential: Meter size and cost will be based on the individual needs of the facility based on engineering requirements.

- (2) No person shall receive or use city water services unless a water meter has been properly and lawfully installed for such user. Each single-family dwelling, each multifamily residential building, and each commercial user, receiving city water services, shall have at least one meter, and shall have a water bill for at least one user. Each single-family dwelling receiving city water services shall be a separate single-family residential user, regardless of whether the dwelling is owned or rented alone or together with other residential or business units. This chapter does not prohibit multiple meters for one building.
- (b) *Sewer connection fees (residential and commercial).*
- (1) Sewer users shall be connected to the city's sewer system by the city in accordance with city policy. Prior to the connection of a residential or commercial user to the city's sewer system, a connection fee assessed in accordance with the following fee schedule shall be paid to the city to cover the cost of making said connection and the cost of materials. The user shall also be responsible for repairing or restoring any yards, sidewalks, streets or other improvements affected by the installation of the connection to the satisfaction of the city's inspector within 30 days of the installation. Notwithstanding that repair or

restoration costs are part of the connection fee, upon failure of the user to complete the repairs on a timely manner, the city's operator will make such repairs and the user shall have the city's cost of the repairs billed to them on the next month's water and/or sewer bill.

SEWER CONNECTION FEE SCHEDULE

Single-family residential: \$750 plus ½ cost of any required bore.

Multifamily residential and non-residential: Cost will be based on the individual needs of the facility based on engineering requirements.

- (2) No person shall receive or use city sewer services unless a sewer tap has been properly and lawfully installed for such user. Each single-family dwelling, each multifamily building, and each commercial user receiving city sewer services, shall have at least one sewer tap, and shall have a sewer bill for at least one user. Each single-family dwelling receiving city sewer services shall be a separate single-family residential user, regardless of whether the dwelling is owned or rented alone or together with other residential or business units. This chapter does not prohibit multiple sewer taps for one building.
- (c) *Nontaxable entity water tap.* Prior to the connection of a commercial user that is exempt from the payment of ad valorem property taxes under state law, a tap fee equal to the city's actual cost of installing the tap, meter and any necessary service lines plus such user's pro rate share of the city's actual cost of the facilities necessary to provide city services to such user that are financed or to be fully or partially financed by the city's tax bonds (as determined by the city's consultants and approved by the city council) shall be paid to the city. The user shall also be responsible for repairing or restoring any yards, sidewalks, streets or other improvements affected by the installation of the tap to the satisfaction of the city's inspector within 30 days of the installation. Notwithstanding that repair or restoration costs are part of the tap fee, upon failure of the user to complete the repairs timely, the city's operator will make such repairs and the user shall have three times the city's cost of doing the repairs billed to them on a monthly water and sewer bill.
- (d) *Temporary construction and bulk water meters.* All temporary service shall be metered and billed to the temporary customer as provided herein.
- (1) During construction of residential or commercial buildings, or related infrastructure or development, a builder or contractor may use water from a fire hydrant only after paying the set-up fee and deposit (as stated in the city's most recently adopted fee schedule resolution) ~~[a \$50.00 installation fee and a \$750.00 deposit]~~ to the city for installation of a temporary meter ~~[and use of a fire hydrant wrench]~~. Such deposit will be returned after the builder or contractor completes all construction ~~[-The]~~ unless the deposit described herein ~~[may be]~~ is applied by the city to pay for the cost of water usage by a builder, contractor, or their agent and/or the cost of repair of any damage to the hydrant or other city facilities caused by a builder, contractor, or their agent. The cost of water shall be billed at commercial rates.
- (2) In addition to water provided pursuant to construction, a party may purchase water in bulk from the city, if available as determined by city. Bulk water rates shall apply to the temporary use of water from a city flushing valve or city fire hydrant or other appurtenances of the city's water system, and such sale shall be conditioned upon satisfying the following conditions:

- a. Bulk water may only be purchased after execution of a fire hydrant use agreement between the city and the bulk water purchaser (guarantor), in form approved by the city attorney;
 - b. The guarantor shall first make a deposit to the city as specified in section 71-12 as security for payment of the water;
 - c. All water utilized by the guarantor shall be taken through the fire hydrant meter, and shall be paid for by the guarantor;
 - d. Guarantor shall pay the water meter base charge and rates as provided in this ordinance and/or the city's most recently adopted fee schedule resolution ~~[of \$100.00, and the rate of \$10.00 per 1,000 gallons of water used];~~
 - e. The guarantor acknowledges and stipulates that the water meter base charge shall be due and payable to the city as provided herein regardless of whether any water is actually utilized by the guarantor.
- (3) All unauthorized withdrawal of water from flushing valves, fire hydrants, or other appurtenances of the city's system without prior approval of the city, except for emergency fire-fighting purposes, is prohibited.

(e) *Prefacility inspection.* All builders or contractors for property owners within the city must contact the city operator prior to starting any work on property within the city to do an inspection to verify city facilities. If any city facility is either damaged or cannot be located, the operator will make necessary repairs or locate and make visible at the expense of the city. A copy of the inspection will be given to the builder's or contractor's representative. After the inspection and any necessary work is completed, the builder or contractor will then be responsible for paying the costs of all damages, adjustments, relocations and repairs found during the final site survey. The cost for each inspection shall be as provided for in the city's most recently adopted fee schedule resolution ~~[is \$25.00]~~.

(f) *Facility inspection.* After construction has been completed on the property, but before service is transferred to a user, the city operator will conduct a final site survey to reinspect the water tap, meter and all other city facilities on the property for a fee ~~[of \$25.00 (the fee)]~~ which shall be collected at the time the tap fee is paid.

The property owner, builder or contractor will be held responsible for any damages or adjustments to city facilities and the cost of repairing, adjusting or relocating the facilities (the "backcharges") before service shall be initiated to a user. If any reinspections of the facilities are required to ensure that the city's facilities are repaired, relocated or adjusted, a fee ~~[of \$25.00]~~ shall be charged for each such reinspection before service will be transferred to a subsequent user. Payment of the backcharges, or any inspection or reinspection fees, shall be made on or before the last day of the month for said charges. The city may withhold the provision of service to the property or to the other property owned by any user, property owner, builder or contractor who has failed to timely pay the backcharges or any inspection or reinspection fee, including specifically the provision of additional taps; provided, however, the city shall follow the notification procedures set forth in this chapter prior to withholding the provision of service.

(g) *Grease interceptor [~~trap~~] inspections.* Any user responsible for a discharge requiring a grease interceptor/trap and sampling well shall provide equipment and facilities of a type and capacity approved by the city, locate the grease interceptor/trap in a manner that provides ready and easy access for cleaning and inspection, and maintain the trap in effective operating condition. It shall be the responsibility of the user to maintain and service such user's interceptor/trap. All interceptors [~~traps~~] shall be cleaned a minimum of once [~~a month~~] every four (4) months. For each grease interceptor/trap installed, there shall be charged a flat rate inspection fee [~~of \$35.00~~]. The operator may, as he deems necessary, reinspect a grease interceptor/trap that he suspects is not being maintained properly at any time, and each such reinspection shall be charged a fee [~~of \$40.00~~] per reinspection.

(h) *Sewer and water complaints.* Any user reporting a water or sewer problem must first assess if the leak/blockage is on the city-side or consumer-side of the connection. [~~If city assets are called out to repair a problem with the system, and the problem is determined to be the city's responsibility, repairs will be made accordingly. If, however, the city inspector determines the problem to be user related (e.g., requiring the use of a plumber to repair at the user's expense), the user will be assessed a fee at \$40.00 per hour to cover the cost and time required for the inspection.~~]

If the leak/blockage location is not easily determined, a city employee may be sent to inspect the problem. If the problem is determined to be the city's responsibility, city assets will be called out and repairs will be made accordingly. If, however, the city employee determines the problem is on the consumer side, repairs will be the responsibility of the user. A fee for time required for the inspection may be assessed on a user for repeated complaints where the problem is not on the city's side of the connection.

(i) *Fees.* All fees in this section shall be as provided for in the city's most recently adopted fee schedule resolution.

Sec. 71-3. Regulatory assessment.

[~~As~~] Where required by the Texas Water Code, each user of the city's water and sanitary sewer system is hereby assessed a charge of one-half of one percent of the city's charge for water and sewer service. This assessment is included in the rate schedules listed below and will be forwarded to the [~~state natural resource conservation commission~~] TCEQ for use in paying costs and expenses incurred in its regulation of water systems. [~~Additionally, a voluntary donation of \$3.50 will be annotated on each monthly billing statement should the user wish to contribute to the operational costs for providing fire and emergency medical services to the city. All donations will be forwarded to the fire department and EMS organizations.~~]

Sec. 71-4. Water rates.

(a) *Monthly rates.*

(1) *Single-family residential users.* Single-family residential users shall be charged monthly for water as follows:

First 2,000 gallons	[\$25.00] <u>\$28.36</u> ([minimum] <u>base charge</u>)
All over 2,000 gallons	[\$2.00] <u>\$2.60</u> per 1,000 gallons

(2) *Multifamily residential users.*

- a. *Single meter.* Each multifamily building that is served by a single meter shall be charged monthly.
- b. *Multiple meters.* If a multifamily building is served by more than one meter, water delivered through each meter shall be charged the ~~[minimum]~~ base rate for single-family residential users ~~[times]~~ multiplied by the number of units served through such meter, with consumption over the ~~[minimum]~~ base amount charged at the rates quoted above for single-family residential users.

(3) *Commercial users.* Each business unit occupied by a separate business, including separate establishments within a single building, whether connected by a single meter or multiple meters, shall be charged monthly for water as follows:

First 2,000 gallons	[\$30.00] <u>\$34.03</u> ([minimum] <u>base</u>)
All over 2,000 gallons	[\$2.00] <u>\$2.60</u> per 1,000 gallons

(4) *Irrigation systems.* Metered water connections established solely for the purpose of providing water to irrigation systems shall be charged monthly for water usage at the above-quoted rates that apply to such type of user. There shall be no sewer service charge for irrigation meters.

(5) *One-thousand gallon unit.* The fee for any 1,000-gallon unit shall also apply to any portion of a 1,000-gallon unit.

(b) *Pressure of water.* The city intends to use all reasonable efforts to supply adequate pressure of water to any user. The city does not and will not guarantee to any user a specific quantity or pressure of water for any purpose whatsoever. The city is required only to furnish a connection to its water system and in no case shall the city be liable for the failure or refusal to furnish water or any particular amount or pressure of water; however, the city shall use reasonable efforts to supply water to all users at an acceptable minimum pressure.

(c) *Sale or use of water or sewer services.*

- (1) No person or entity except the city shall sell or resell water from the city's water system.
- (2) No person or entity except the city shall sell or resell city sewer services.
- (3) No person or entity except the city shall receive or use water from the city's water system without having a direct connection ~~[the to]~~ to the city's water system.
- (4) No person or entity except the city shall receive or use city sewer services without having a direct connection to the city's sewer system.
- (5) It is an affirmative defense to this subsection that the person or entity has the express, written, unrevoked consent of the city council or its designee for such sale, resale, receipt, or use.

Sec. 71-5. Sewer.

(a) *Single-family residential users:*

First 2,000 gallons	[\$30.00] <u>\$34.03</u> ([minimum] <u>base</u>)
All over 2,000 gallons	[\$2.00] <u>\$2.60</u> per 1,000 gallons

(b) *Multifamily residential users:*

First 2,000 gallons	[\$30.00] <u>\$34.03</u> ([minimum] <u>base</u>)
All over 2,000 gallons	[\$2.00] <u>\$2.60</u> per 1,000 gallons

(c) *Commercial users:*

First 2,000 gallons	[\$35.00] <u>\$39.71</u> ([minimum] <u>base</u>)
All over 2,000 gallons	[\$2.00] <u>\$2.60</u> per 1,000 gallons

(d) *Additional applications.* The fee for any 1,000-gallon unit shall also apply to any portion of a 1,000-gallon unit.

(e) *Sewer fees.* ~~[Sewer fees shall be based upon the amount of water used and the city shall not be required to prove that the water went into the city's sewer system.]~~ Sewer fees are calculated using the metered amount of water provided to the user. The city shall not be required to prove that the water went into the city's sewer system.

(f) *Quality of sewage.*

(1) *Domestic waste.* Only ordinary liquid and water-carried waste from domestic activities that is amenable to biological treatment and that is discharged from sanitary conveniences of buildings connected to a public sanitary sewer system shall be discharged in the city's sanitary sewer lines. Waste resulting from any process of commerce or industry may not be discharged in the city's sanitary sewer lines except as authorized pursuant to subsection (f)(2) of this section.

(2) *Commercial and industrial waste.* All discharges other than waste described in subsection (f)(1) of this section are prohibited unless the user has applied to and received written authorization from the city for such discharge. The applicant must file a statement with the city containing the following information:

- a. Name and address of applicant;
- b. Type of industry, business, activity, or other waste-creative process;
- c. Quantity of waste to be discharged;
- d. Typical analysis of waste;

- e. Type of pretreatment proposed; and
- f. Such other information as the city may request in writing.

The city shall have the right to reject any application for discharge of nondomestic waste into the city's sanitary sewer lines if the city determines in its sole discretion that the proposed discharge may be harmful to the city's sanitary sewer system or the environment. The city also shall have the right in approving any application for the discharge of nondomestic waste to impose any limitations on such discharge that the city determines in its sole discretion to be necessary to protect the city's sanitary sewer system or the environment.

- (3) *National categorical pretreatment standard.* If a user is subject to a national categorical pretreatment standard pursuant to regulations promulgated by the Environmental Protection Agency under Section 307 of the Federal Clean Water Act, the user is prohibited from discharging pollutants into the city's sanitary sewer system in violation of applicable categorical pretreatment standards.
- (4) *City testing; pretreatment.* The city shall have the right to sample and test any user's discharge at the discretion of the city's operator, with no limit as to the frequency of the tests, and to charge the user for the city's cost of such sampling and testing. The city also shall have the right to require pretreatment, at the user's expense, of any discharge of nondomestic waste if the city determines in its sole discretion that pretreatment of such waste is necessary to protect the city's sanitary sewer system or the environment, even if pretreatment is not otherwise required pursuant to subsection (f)(3) of this section.

Sec. 71-6. Swimming pool inspections.

Every user who plans to construct or install a swimming pool within the city shall notify the city's operator in writing prior to commencing construction of the pool. Upon notification by the user of the intention to construct or install a swimming pool, the user shall pay an inspection fee. [~~of \$40.00.~~] The fee shall be as provided for in the city's most recently adopted fee schedule resolution.

After the notification is received, the city's operator shall ensure that all drains from the swimming pool are connected to the city's sanitary sewer system. After the drains have been installed and before service is authorized by the city for said swimming pool, the user shall notify the city's operator, who shall make an inspection of all swimming pool drains to verify that the proper connection is made.

Sec. 71-7. Plumbing regulations.

Pursuant to 30 Tex. Admin. Code § 290.38 et seq., the city adopts the following plumbing regulations, which apply to all users of the city's potable water distribution system.

- (1) *Plumbing code.* The city hereby adopts by reference as the city's plumbing code the [~~Uniform~~] International Plumbing Code.
- (2) *Plumbing fixtures.* A user is not permitted to install any plumbing fixture, which is not in compliance with a state and city approved plumbing code.

(3) *Prohibition against water contamination.* No direct connection between the city's potable water distribution system and a potential source of contamination is permitted. Potential sources of contamination shall be isolated from the city's potable water distribution system by the installation of an air-gap or an appropriate backflow prevention device in accordance with state plumbing regulations. In addition, all pressure relief valves and thermal expansion devices must be in accordance with state and city plumbing codes.

(4) *Backflow prevention assemblies.* All sprinkler systems, spas and pools must have backflow prevention assemblies installed by the user at the user's sole cost and expense. In addition, every new and existing non single-family residential user is required to install a backflow prevention assembly at any meter servicing such a user's property. Every new and existing user is also required to install other backflow prevention assemblies at any fixture in order to prevent contamination of the city's water distribution system or if the user's plumbing system poses a high health hazard. A high health hazard is defined by the state natural resource conservation commission as a "cross connection, potential crossconnection, or other situation involving any substance that could cause death, illness, spread of disease, or has a high probability of causing such effects if introduced into the potable drinking water supply." If the city determines that a user must install a backflow prevention assembly as protection against a high health hazard, the backflow prevention assembly used must comply with a state and city approved plumbing code and must be tested and certified at least annually by the city's operator. The cost will be as provided for in the city's most recently adopted fee schedule resolution ~~[\$75.00]~~, which is due and payable prior to the test.

- a. The user is responsible for insuring that all backflow prevention assemblies are tested upon installation by a recognized backflow prevention assembly tester. A list of certified backflow prevention assembly inspectors can be obtained from the local office of the state natural resource conservation commission. If this test is performed by the city's operator or its subcontractor, the cost will be as provided for in the city's most recently adopted fee schedule resolution ~~[\$75.00]~~, which is due and payable prior to the test. The user is solely responsible for the cost of the test. If the installation of a backflow prevention assembly is required by this chapter in order to prevent a serious threat to the city's public water supply, then the city, in its sole discretion, may immediately terminate service to the user. In that event, service will not be restored until the backflow prevention assembly has been installed and tested and a signed and dated original of a "Backflow Prevention Assembly Test and Maintenance Report" in the form attached to the ordinance from which this section is derived as exhibit "A" has been provided to the city's operator.
- b. If a backflow prevention assembly must be installed pursuant to this chapter for reasons other than to eliminate a serious threat to the city's public water system, the user must install the backflow prevention assembly within five working days after receipt of notice from the city that such installation is required. In addition, the user must provide the city's operator with a signed and dated original of a "Backflow Prevention Assembly Test and Maintenance Report," in the form attached to the ordinance from which this section is derived as exhibit "B," within three working days of the installation of the backflow prevention assembly and within three working days of any subsequent repair, maintenance or testing of such assembly. If the user fails to provide the testing certificate within this time, the city, in its

discretion, may terminate service to the user pursuant to the terms of this chapter. The city's operator will retain such reports for a minimum of three years.

(5) *Customer service inspections.*

- a. A customer service inspection is required prior to the time the city:
 1. Provides continuous water service to new construction;
 2. Provides water service to private plumbing facilities that have been added to existing construction or materially improved or corrected; or
 3. Continues service to a user when the city has reason to believe that crossconnections or other unacceptable plumbing practices exist. The cost of such customer service inspection shall be as provided for in the city's most recently adopted fee schedule resolution [~~is \$100.00~~] for single-family residential users and will be determined on an individual basis for other users. All fees relating to the customer service inspections shall be paid by the user prior to the inspections, and if the inspection is made in connection with new construction, the fee will be collected with the tap fee.
- b. Prior to initiating service to new construction or buildings containing new plumbing fixtures, the user must provide the city's operator with a signed and dated "Customer Service Inspection Certification," in the form attached to the ordinance from which this chapter is derived as exhibit "B." The city's operator will retain such inspection certifications for a minimum of ten years. If the city's operator does not perform the initial customer service inspection, the user will need to obtain a final inspection certificate from the city's operator prior to receiving service. In connection with this final plumbing inspection, the user shall allow its property to be inspected by the city's operator or its subcontractors during normal business hours for possible crossconnections and other unacceptable plumbing practices, which violate this section. The cost of this final plumbing inspection shall be as provided for in the city's most recently adopted fee schedule resolution [~~\$50.00~~] for single-family residential users and will be determined on an individual basis for other users. The cost of this final inspection shall be paid by the user prior to the final plumbing inspection. Thereafter, the city's operator or its subcontractors may, at the discretion of the city and/or the city's operators, periodically inspect a user's plumbing system during normal business hours for the purpose of identifying possible crossconnections and other unacceptable plumbing practices which violate the city's ordinances.

(6) *Prohibition against crossconnections.*

- a. No crossconnection between the city's potable water distribution system and a private water system is permitted. Where an actual air gap is not maintained between the public water supply and a private water supply, an approved reduced pressure-zone backflow prevention assembly must be properly installed and such assembly must be annually inspected and tested by a certified backflow prevention device tester. A list of certified backflow prevention device testers may be obtained from the local office of the state natural resource conservation commission. By accepting service from the city, all users agree to allow such annual inspection and

testing of backflow prevention assemblies to take place during normal business hours. If any user refuses to allow such annual inspection and testing, service to such user will be discontinued until such inspection and testing is completed.

- b. No connection that allows water to be returned to the city's potable water distribution system is permitted. This includes, but is not limited to, any device pursuant to which water is removed from the city's potable water distribution system, circulated through a user's system for condensing, cooling and heating of fluids or industrial processes, including but not limited to a heat exchange system, and routed back to the city's potable water distribution system.
- (7) *Notice of unacceptable plumbing practices.* The city shall notify the user in writing of any crossconnection or other unacceptable plumbing practice, which has been identified during the customers service inspection, the final plumbing inspection, any periodic reinspection, or any other inspection. At its sole cost and expense, the user shall immediately correct any unacceptable plumbing practice on its premises and properly install, test and maintain any backflow prevention device required by the city within two working days of receipt of notice of the improper crossconnection. The user shall provide copies of all testing and maintenance records on such devices to the city within three working days of the testing or maintenance. If the user fails to correct the noted unacceptable plumbing practice, the city may immediately terminate water service or, at the user's sole cost and expense, eliminate the crossconnection or correct the unacceptable plumbing practice.
- (8) *Penalty for violation.* The failure of a user to comply with the terms of this section will be considered a violation of this article. If such a violation occurs, or the city determines the existence of a serious threat to the integrity of the city's water supply, the city in its sole option, may, in addition to all other legal remedies available to it, including those remedies set out in this article immediately terminate service or, at the user's sole cost and expense, install the plumbing fixtures or assemblies necessary to correct the unacceptable plumbing practice. If the city terminates service in order to preserve the integrity of the city's water supply, service will be restored only when the source of the potential contamination no longer exists or until additional safeguards have been taken. Any and all expenses associated with the enforcement of this section shall be billed to the user.

Sec. 71-8. Late payments.

- (a) *Late payment charge.* Unless payment of the monthly water or sewer bill is received on or before the delinquency date specified in section 71-9(a), or payment of any [~~backcharge~~] prior charges is received on or before 20 days after the date of the bill, a late payment charge of ten percent of the unpaid balance will be due the city to cover the city's costs of collection of such delinquent amount. All accounts not paid by the due date shall be considered delinquent. If any part of a user's bill is delinquent, all charges shall be considered due and payable.
- (b) *Certified delinquent letter fee.* A fee [~~of \$10.00~~] shall be charged by the city for each notice of termination mailed by certified mail to an account to cover the city's costs associated with such notice. The fee shall be as provided for in the city's most recently adopted fee schedule resolution.

Sec. 71-9. Termination and reconnection of service.

- (a) *Monthly bills and termination.* Charges for services performed shall be billed monthly. ~~[All bills shall be payable by the 20th day from the date of the bill. Unless payment of the monthly bill is received by the 20th day from the date of the bill, such account shall be considered delinquent and a one time late charge equal to ten percent of the unpaid balance shall be charged.]~~ All bills shall be payable by the due date listed on the bill. Unless payment of the monthly bill is received by said due date, such account shall be considered delinquent and a one-time late charge equal to ten percent of the unpaid balance may be charged.

~~[The city may, in its discretion, disconnect service for failure to pay all charges and backcharges, including any late charges, by the third day after the due date; provided, however, that prior to disconnecting services, the city shall send written notice by United States certified first class mail to the user or entity at the appropriate address and provide the user or entity of the account of the delinquent payment, the date service will be disconnected or additional service withheld if payment is not made. The notice shall be deposited, postpaid, in a post office or official depository under the care and custody of the United States Postal Service. A written statement by the city's operator that the notice was so mailed shall be prima facie evidence of delivery of the same.]~~

- (b) *Disconnection for nonpayment.*

The city shall verify delinquent accounts, notify delinquent customers of possible termination, and take the following action to terminate service:

- (1) The city shall send a delinquent customer written notice referred to as a "ten-day letter."

The ten-day letter shall:

- a. State that the city's records indicate the customer's bill is delinquent and provide the delinquent amount;
 - b. State that the customer has ten (10) business days to make satisfactory payment before the city takes further action;
 - c. State in bold type that if the customer fails to make satisfactory payment or contest the billing as provided by these procedures within ten (10) business days from the date of the letter, the city shall terminate water service;
 - d. Provide the phone number and address to contact the city department responsible for billing and account termination; and
 - e. Advise a delinquent customer of the dispute and appeal procedure.
- (2) In addition to the ten-day letter, the city shall send the delinquent customer a separate final invoice stating "final warning."
- (3) If a customer advises that that the customer does not have funds to pay a delinquent water bill, the city shall provide the customer a list of social services. This notification shall not stop the termination process.
- (4) Procedures for customers disputing termination of water service:
- a. A customer wishing to dispute termination of water service must contact the city within five (5) days of the date of the ten-day letter and advise the department of a dispute.

A city representative shall discuss the situation with the customer before the city terminates water service.

b. If the dispute is not resolved to the customer's satisfaction, the customer may request an appeal to the director of administrative services, or designee. The customer shall request this appeal in writing within three (3) business days of the dispute meeting with the initial city representative. The director of administrative services, or designee, shall hear the appeal within two (2) business days of notification of the appeal.

c. If the director of administrative services, or designee, does not resolve the dispute in the customer's favor, the city shall notify the customer in writing that the customer is responsible for the total amount in question.

d. The customer shall have three (3) business days from the date of the letter in which to pay the delinquency.

e. If the customer fails to pay the delinquency, the city shall terminate water service.

f. In addition to termination of water service, the city may implement all appropriate legal remedies to collect the amount owed.

(5) Nothing herein shall restrict the right of a customer at any time to dispute a billing or payment issue that is not related to a notice of termination of water service.

~~[(b)]~~ (c) *Reconnection.* If service to a user is disconnected for any cause, a reconnection fee ~~[of \$50.00]~~ shall be paid to the city before service is again commenced at such location. In addition, such user shall be required to pay a security deposit ~~[of \$75.00]~~ as described in section 71-12, less any prior security deposit on file in the city's records for such user, before service is reconnected. Payment of all amounts under this section must be in the form of cash, cashier's check, or money order.

~~[(e)]~~ (d) *Pulled meters.* If usage is detected on a user's water meter after the city has terminated service to such user, such user's meter will be pulled and a ~~[\$50.00]~~ fee, in addition to the ~~[\$50.00]~~ reconnection fee described in subsection (c) of this section and the penalties described in section 71-14(c), shall be collected before service is again commenced to such user. Payment of such fee must be in the form of cash, cashier's check, or money order.

~~[(e)]~~ (e) *Vacation.* Water/wastewater customers may request a temporary billing suspension for a period not less than three full billings cycle but not more than six billing cycles. Customers will be charged a temporary suspension and reconnection fee ~~[of \$50.00]~~ at the time of the request. The customer will be required to pay their account balance, including all utility charges up to the date of suspension and the temporary suspension fee, at the time the service is suspended. Written notice must be given two business days prior to the no service date request. The billing will continue and there will be no service suspension if the utility account has a balance. Upon the effective date of the temporary billing suspension, the city will turn off and lock the water meter. Upon the termination of the temporary billing suspension period, the water meter will be turned on and the utility account will be reactivated. Upon meter activation, billing for utility service will restart.

- (f) Fees. All fees provided for herein shall be as provided for in the city's most recently adopted fee schedule resolution.

Sec. 71-10. Returned checks.

In the event that a user's check is returned unpaid by said user's bank for any cause, a charge [~~of \$25.00~~] shall be added to such user's bill to cover the city's cost of handling. If such user's account is also more than 30 days delinquent, the account shall be scheduled for termination and notice thereof shall be given as provided in section 71-9(a). In such event, payment for the amount due on such account must be in the form of cash, cashier's check, or money order.

The charge shall be as provided for in the city's most recently adopted fee schedule resolution.

Sec. 71-11. New account fee.

A nonrefundable fee [~~of \$20.00~~] shall be charged for each new account in order to cover the city's costs of setting up such account. Such fee shall be paid prior to service being initiated and shall be in addition to the security deposit required under section 71-12. The fee shall be as provided for in the city's most recently adopted fee schedule resolution.

Sec. 71-12. Security deposits.

- (a) *Security deposits.* A deposit shall be charged to all new users in the city as follows:

Residential owner: \$75.00

Residential renter: \$200.00

Commercial—1" meter or smaller: \$200.00 deposit

Commercial—2" meter or larger: \$400.00 deposit

Temporary construction meter: \$750.00

Bulk water purchase (residential): \$1,000.00

Bulk water purchase (commercial/pipeline): \$5,000.00

Such sums shall be required prior to service being initiated and shall be held by the city as a deposit to assure prompt payment of all charges for utility service. No interest will be allowed on such deposits.

- (b) *Deposit transfers.* Security deposits may not be transferred from one user to another; however, a user who moves from one address to another within the city may have the security deposit from the account at the previous address transferred to the account at the new address.
- (c) *Builder deposits.* A \$500.00 deposit shall be required of a builder at the time a request for each initial water tap is made for a residence, commercial building, or other structure in the city. Said deposit will be refunded by the city upon transfer of the account from such builder to a homeowner; provided, however that the deposit shall be forfeited as a penalty in the event

any provision of this article or the city's policy manual regarding sanitary sewer facilities, service lines and connections, as may be amended from time to time, is violated. The deposit described herein may be applied by the city to the cost of repair of any damage caused to city property by the builder or builder's agent, whereupon it will be the builder's responsibility to reinstate the original amount of the deposit prior to the city's operator making any additional water taps for said builder.

(d) *Initial application documentation and leasehold customers.*

- (1) In order to obtain new utility service or to transfer existing service, each person or entity applying for service shall present the City of Manvel with a copy of the deed or other document showing ownership of the real property to which the utility service is to be provided. The application and customer's contract for service must be in the same name as the property owner.
- (2) If the person or entity applying for service is leasing from the property owner, or is otherwise authorized by the property owner to contract for service but is not the property owner (e.g., an executor, trustee), then a written lease in the name of the customer and signed by the customer and the landlord is required.
- (3) If the customer has no written lease, or other written authorization satisfying the city, the customer shall provide the City of Manvel with a signed copy of an "Affidavit of Lease Agreement" on the form presented by the City of Manvel. Such affidavit shall be signed by the customer/tenant and the landlord and such affidavit must be dated within the last 30 days.
- (4) Only the customer/tenant listed in the affidavit or lease shall be eligible to have the utility service placed into their name.
- (5) A customer that has a balance owed on the utility account cannot switch utility service from one name to another name listed in the affidavit or lease without the account being paid in full.
- (6) If there is a balance owed on a utility account, a new applicant for service at the same premises cannot contract for utility service without the account being paid in full if the new applicant was on the lease with, or lived with, the prior delinquent account customer at that location.

Sec. 71-13. Requirements for service.

- (a) *Platting requirement.* Prior to initial connection to the city's water or sewer system, a user shall submit to the city's operator proof that the user's property has been platted in accordance with the city ordinances. Acceptable proof of platting includes a copy of the recorded plat or a certificate that the property is legally exempt from the platting process. All properties that are built on prior to water and sewer service being available to that property are exempt from the platting requirement.
- (b) *Permits.* Any applicant requesting connection to the city's system must have obtained all necessary permits. The city may require proof that a permit has been obtained or requirement for such permit has been waived.

- (c) *Plumbing material restrictions.* The use of the following materials are prohibited in any and all improvements connected to the city's water system:
 - (1) Any pipe or pipe fitting which contains more than eight percent lead; and
 - (2) Any solder or flux which contains more than 0.2 percent lead.
- (d) *Approval of plans.* Before any connection, other than a single-family residential user connection, is made to the city's water, sewer, or drainage system, or before any reconnection is made, the person requesting such connection shall submit to the city's engineer for review and approval the water, sanitary sewer, and drainage plans and specifications for the property for which the connection is sought. Such plans shall clearly show the estimated volumes of water of effluent and the proposed points of connection to the city's system. A copy of such approved plans, with the engineer's approval indicated thereon, shall be submitted to the city's operator. Any modifications of such plans shall require re-approval by the city's engineer. The city reserves the right to require removal of any connection made in violation of this section.
- (e) *Access to premises.* The city will have the right of access to the customer's premises at all times reasonable for the purpose of installing, inspecting or repairing water and sewer mains or other equipment used in connection with its provision of water and sewer service, or for the purposes of removing its property and disconnecting lines and for all other purposes, to protect the health and welfare of its customers.

Sec. 71-14. Miscellaneous provisions.

- (a) *Future adjustments.* The city reserves the right to increase rates and fees from time to time when, in the opinion of the city council, such increases are required to cover the costs of administration, efficient operation, and adequate maintenance of the city's facilities.
- (b) *No free service.* No free service shall be granted to any user for water or sewer services furnished by the city whether such user be a charitable or eleemosynary institution, a political subdivision, or a municipal corporation, and all charges for water and sewer service shall be made as required herein.
- (c) *Penalties for violation.* Any person who:
 - (1) Violates any section of this article;
 - (2) Makes unauthorized use of city services or facilities;
 - (3) Causes damage to city facilities by using such facilities in a manner or for a purpose contrary to the purpose for which such facilities were designed;
 - (4) Violates the city's rules and regulations governing sewer lines and sewer connections; or
 - (5) Constructs facilities or buildings that are not included in the approved plans for development described in this article;

Shall be subject to a penalty up to the maximum amount as provided by law [~~of up to \$500.00~~] for each breach of each one of the foregoing provisions. Each day that a breach of any provision hereof continues shall be considered a separate breach. This penalty shall be in addition to the other penalties, fees and charges provided by this article and the laws of the state and in addition to any other legal rights and remedies of the city as may be allowed by law.

- (d) *Maintenance and repair.* It shall be the responsibility of each user to maintain the water and sewer lines from the building served to the point of connection to the city's system.
- (e) *Out-of-city service.* The city council shall determine whether to provide any utility service to areas outside of the city and the terms and conditions for such service.
- (f) *Nonliability of city.* Neither the city nor its agents, employees, officers, or representatives shall bear any liability to any person other than the city for any act, omission, or condition in any way directly or indirectly related to the subject matter of this article.

Secs. 71-15—71-31. Reserved.”

Section 3. **Effective date.** The rates established by this ordinance shall take effect the first billing cycle that occurs after October 1, 2022.

Section 4. **Penalty.** Any person who shall intentionally, knowingly, recklessly, or with criminal negligence violate any provision of this chapter shall be deemed guilty of a misdemeanor and, upon conviction, shall be fined in an amount not to exceed \$2,000.00. Each day of violation shall constitute a separate offense.

Section 5. **Repealer.** All ordinances or parts of ordinances inconsistent or in conflict herewith, are, to the extent of such inconsistency or conflict, hereby repealed.

Section 6. **Severability.** In the event any clause, phrase, provision, sentence, or part of this Ordinance or the application of the same to any person or circumstance shall for any reason be adjudged invalid or held unconstitutional by a court of competent jurisdiction, it shall not affect, impair, or invalidate this Ordinance as a whole or any part or provision hereof other than the part declared to be invalid or unconstitutional; and the City Council of the City of Manvel, Texas, declares that it would have passed each and every part of the same notwithstanding the omission of any such part thus declared to be invalid or unconstitutional, whether there be one or more parts.

PASSED AND APPROVED on first reading this ____ day of _____,
2022.

PASSED, APPROVED, AND ADOPTED on second and final reading this
_____, 2022.

Debra Davison, Mayor

Attest:

Tammy Bell, City Secretary

APPROVED AS TO FORM:

Robert Gervais, City Attorney

EXHIBIT A

2022 Water and Wastewater Rate Study prepared by Freese and Nichols

WATER AND WASTEWATER RATE STUDY

Prepared for:

City of Manvel



March 2022

Prepared by:

FREESE AND NICHOLS, INC.
11200 Broadway St., Suite 2320
Pearland, Texas 77584
832-456-4700

WATER AND WASTEWATER RATE STUDY

Prepared for:

City of Manvel



Prepared by:

FREESE AND NICHOLS, INC.
11200 Broadway St., Suite 2320
Pearland, Texas 77584
832-456-4700

FNI Project No.: MNV20631



TABLE OF CONTENTS

EXECUTIVE SUMMARY	ES-1
1.0 WATER AND WASTEWATER SYSTEM.....	1-1
1.1 General Description.....	1-1
1.2 Projected Water Needs and Wastewater Flows.....	1-2
2.0 HISTORICAL REVENUES AND EXPENSES	2-1
2.1 Historical Revenues.....	2-1
2.2 Historical Expenses	2-1
2.3 Comparison of Historical Revenue and Expenses	2-1
3.0 WATER AND WASTEWATER FUND RATE ANALYSIS	3-1
3.1 Projected Revenues at Current Rates.....	3-1
3.2 Projected Expenses	3-1
4.0 RATE DESIGN.....	4-1
5.0 SUMMARY OF RATE RECOMMENDATIONS	5-1
6.0 COMPARISON TO NEARBY CITIES	6-1



List of Tables

Table 1-1: Projected Connections, and Water and Wastewater Billed Volume (including base)	1-2
Table 2-1: Historical Revenue for the Water and Wastewater Fund	2-2
Table 2-2: Current City of Manvel Monthly Water & Wastewater Rates.....	2-2
Table 2-3: Historical Expenses for the Water and Wastewater Fund, by Department	2-2
Table 3-1: Projected Revenue at Current Rates for the Water and Wastewater Fund	3-3
Table 3-2: Projected Expenses for the Water and Wastewater Fund, by Department	3-5
Table 5-1: Rate Adjustment Summary.....	5-1
Table 5-2: Residential Rate Adjustments Needed	5-1
Table 5-3: Commercial Rate Adjustments Needed.....	5-2
Table 5-4: Irrigation Rate Adjustments Needed	5-3
Table 6-1: Residential Water and Wastewater Rate Comparison to Nearby Cities	6-1
Table 6-2: Residential Water and Wastewater Rate Comparison to Nearby Cities	6-1

List of Figures

Figure 1-1: Historical Water Sales Revenues, by Customer Class.....	1-3
Figure 1-2: Historical Wastewater Sales Revenues, by Customer Class	1-4
Figure 1-3: Historical and Projected Connections	1-5
Figure 2-1: Historical Water and Wastewater Revenue and Expenses	2-3
Figure 3-1: Historical and Projected Water and Wastewater Revenue (not including impact fees)	3-4
Figure 3-2: Historical and Projected Water and Wastewater Expenses.....	3-6
Figure 3-3: Historical and Projected Water and Wastewater Expenses (with rate portion of future Debt Service) and Revenue (at current rates)	3-7
Figure 6-1: Residential Water and Wastewater Rate Comparison with Other Cities, Monthly Bill (5,000 gallons).....	6-2
Figure 6-2: Residential Water and Wastewater Rate Comparison with Other Cities, Monthly Bill (10,000 gallons).....	6-3

Appendices

Appendix A: Projected Expenses for Water and Wastewater Fund



EXECUTIVE SUMMARY

The City of Manvel (City) is located on Highway 6 west of State Highway (SH) 288, in northern Brazoria County, Texas. The City currently provides retail water and wastewater services to customers within the City and outside the City limits. In August 2020, the City authorized Freese and Nichols, Inc. to perform a water and wastewater rate study. The purpose of the rate study is to develop a multi-year plan for rates that will provide sufficient revenue to implement needed capital improvements and allow the water and wastewater systems to be self-supporting. Freese and Nichols' methodology for performing this study is based on accepted industry standards and practices, specifically the American Water Works Association (AWWA) Manual 1 (M1) "Principles of Water Rates, Fees, and Charges", Seventh Edition, and the Water Environment Federation's (WEF) *Financing and Charges* manual.

The study included the following steps:

- Obtain data from City needed for the rate study.
- Review and analyze the data and develop projections of the operating expenses and revenues at current rates.
- Identify the revenue requirements for the water and wastewater system using the projected operating expenses and projected capital expenses in the next few years.
- Develop a rate model for the City's water and wastewater systems that projects the rates needed to provide sufficient annual revenue.
- Document the findings in a report.

This report describes the findings and recommendations of the water and wastewater rate study. The calculations are based on the City's Fiscal Year, which runs from October 1 through September 30.

A financing plan has been developed based on an analysis of the rates utilized to furnish water and wastewater services to customers connected to the City's water and wastewater utilities, herein referred to as the "Utility System." The financing plan compares the adequacy of projected revenues under existing rates in meeting the revenue requirement of the Utility System and identifies any adjustments which may be necessary to the existing revenue levels during the study period. The plan consists of implementing annual rate increases over the forecast period of Fiscal Years 2022 through 2030 and crafting a Utility System financing plan that provides the City with the ability to adequately fund operating and capital requirements over the forecast period. The City's goal is to have both the Water and Wastewater Utilities operate individually as self-sufficient or stand-alone entities while maintaining both a Debt Service



Coverage ratio of 1.25 for each Utility. While the City does not have a policy target for Fund Balances, this study leverages surplus fund balances to reduce debt issuances, and strives to achieve a Fund Balance of \$1-2 million as a combined system. This Fund Balance target is recommended in excess of the target of 20% of operating expenditures because while the monies assessed for Impact Fees are collected within a 10-year period, the debt service payments will be over a 30-year period.

As a result of the evaluations and analyses, the following summary of findings and recommendations is offered for consideration by the City.

REVENUE UNDER EXISTING RATES

The City of Manvel provided treated water and wastewater services to just over 1,000 water customers (residential, commercial and irrigation) and just over 1,000 wastewater customers (residential, commercial) as of September 30, 2020. In Fiscal Year 2022, it is projected that the City will serve just over 2,000 water customers (residential, commercial and irrigation) and just under 2,000 wastewater customers (residential, commercial), which illustrates a customer growth rate of roughly 50 percent annually over the two year period. Annual growth rate is projected to decrease from 15 percent between Fiscal Year 2023 and Fiscal Year 2024, to 5 percent between Fiscal Year 2029 and Fiscal Year 2030.

Revenue is primarily derived from charges for treated water and wastewater services. Additional revenue is derived from miscellaneous services and fees that the City may offer or charge for services that are not directly related to the production of water or transmission of wastewater. Operating revenue from rates for water and wastewater service, under existing rates, is projected to be \$771,224 for water and \$866,583 for wastewater in Fiscal Year 2022. Other operating revenues are projected to be \$153,564 for water and \$27,921 for wastewater in the same period. Currently water and wastewater sales revenues are estimated to increase based upon the projected increase of between roughly 15 percent per year and 5 percent per year in the number of customers over the forecast period. Other operating water and wastewater revenues are estimated to increase by the same rate as water and wastewater sales revenues, since those operating revenues are derived from the number of meters in the system.

Other non operating water and wastewater revenue in Fiscal Year 2022 is estimated to be \$1,470,892, the majority of which derives from transfers from the General Fund to the Utility Fund. This practice is not used in this rate study for Fiscal Year 2023 through Fiscal Year 2030. The forecast of revenues projected herein assumes that existing rates will be maintained throughout the forecast period.



IMPACT FEES

In parallel with this Water and Wastewater Rate Study, Freese and Nichols performed a Water and Wastewater Impact Fee Study, to update the City's water and wastewater impact fees. A maximum allowable impact fee of \$4,818 per service unit for water and \$14,221 per service unit for wastewater was calculated. The City decided to implement 50 percent of the maximum allowable impact fee, resulting in a new impact fee rate of \$2,409 per service unit for water and \$7,111 per service unit for wastewater. Based on the projected growth in new connections, this new impact fee is estimated to collect roughly \$1.7 million in Fiscal Year 2022, growing to a maximum of roughly \$4.8 million in Fiscal Year 2026 and 2027, and roughly \$2.5 million in Fiscal Year 2030.

EXPENSES

Expenses include operating and maintenance expenses, transfers, debt service obligations, capital projects cash funded from Utility System revenues and cash reserve funding. Operating and maintenance expenses include the costs of labor, materials, power, chemicals, salaries, and other expenses associated with the utility's operations.

Total expenses for the water utility are projected to be \$816,423 for the water system and \$2,468,760 for the wastewater system in Fiscal Year 2022. Expenses in Fiscal Year 2022 are anomalously high due to a one-year practice of funding capital improvements via capital outlay versus debt service. Total expenses are projected to increase to \$2,732,560 for the water system and \$3,026,090 for the wastewater system in Fiscal Year 2030. The increases for both systems come partially from inflation, cost of materials, and the cost of fuel, but principally from the principal and interest payments associated with a growing Capital Improvements Program.

The debt service payments are calculated for both the total issuance, as well as the amount of issuance paid for by rates. For the purposes of this rate study, only the portion of debt service payments associated with rates is accounted for. Annual debt payments associated with rates will be \$263,008 for the water system and \$740,678 for the wastewater system in Fiscal Year 2023, growing to \$1,613,306 for the water system and \$1,886,994 for the wastewater system in Fiscal Year 2030.

A cash reserve fund balance of \$1-2 million from revenues generated from operations is targeted annually for the combined Utility System.



PROPOSED WATER AND WASTEWATER RATE ADJUSTMENTS

Based upon the analysis, revenues generated under existing rates by the Utility System are not sufficient to fund the Utility System's obligations. The proposed rate plan meets all the forecasted Utility System revenue requirements, fulfills the bond coverage requirement and maintains adequate cash balances of the Utility System. The following sections of this report provide a detailed summary of the Utility System's financial forecast.

An analysis of projected revenues and revenue requirements for the Utility System was conducted to determine the adequacy of existing rates. The illustration below summarizes the projected annual revenue increases required over the next nine years to meet future revenue requirements, to maintain and improve Utility System infrastructure, to maintain adequate debt service coverage ratios, and maintain adequate cash reserves to improve the financial condition of the Utility System.

Table ES-1: Indicated Required Revenue Increases

Year	Combined Base	Combined Volumetric	Combined Overall
2022	0.0%	0.0%	0.0%
2023	13.4%	30.0%	17.3%
2024	14.9%	28.5%	18.1%
2025	6.3%	13.5%	8.0%
2026	2.7%	5.0%	3.2%
2027	8.1%	12.5%	9.1%
2028	4.6%	10.0%	5.9%
2029	4.6%	10.0%	5.9%
2030	9.2%	25.0%	12.9%

ADDITIONAL RECOMMENDATIONS

Listed below are the general recommendations associated with the analysis performed herein:

1. The City of Manvel staff should prepare the documents necessary to obtain approval of the proposed financial plan and water and wastewater rates.
2. The City should continue to closely monitor its non-revenue water through audits, identification of leaks, and other appropriate measures.
3. The City should establish an Outside City Limits rate of 1.5 times the Inside City Limits rate.
4. The City should establish a policy on requirements to connect after service becomes available for existing development.
5. The City should update this rate study on an on-going basis. It should be updated sooner if there are significant changes in the assumptions presented in this study, such as timing of the CIP projects.



1.0 WATER AND WASTEWATER SYSTEM

1.1 GENERAL DESCRIPTION

The City of Manvel (City) is located on Highway 6 west of State Highway (SH) 288, in northern Brazoria County, Texas. The City currently provides water service to over 1,000 connections, and wastewater service to over 1,000 connections as well. The City is experiencing rapid growth, and this Water and Wastewater Rate Study assumes an initial growth in connections of roughly 40 percent per year, stabilizing at roughly 5 percent per year by Fiscal Year 2030.

The City of Manvel's existing water infrastructure consists of the School Road Water Plant and associated pumps, water supply wells, and transmission and distribution pipelines. The City relies entirely on groundwater from the Gulf Coast Aquifer System. The City holds four groundwater well permits from the Brazoria County Groundwater Conservation District.

The City of Manvel's existing wastewater collection system consisting of eight (8) lift stations and associated force mains, a network of manholes and gravity mains, and one wastewater treatment plant (WWTP).

The City's water and wastewater customer base includes residential, commercial, and irrigation users. Water and sewer sales revenue is primarily supported by residential base charges, accounting for roughly two-thirds of total water sales revenue and nearly three-quarters of total wastewater sales revenue. Breakdowns of water and wastewater sales revenues by customer class are provided in **Figure 1-1** and **Figure 1-2**, respectively.

A review of Fiscal Year 2016 through Fiscal Year 2020 historical financial and billing data provided by the City showed the following general patterns:

- The combined water and wastewater expenses have averaged \$930,000 (including depreciation and transfers to the General Fund). Without depreciation and transfers, the average for that period is \$790,000.
- The combined water and wastewater revenue has averaged \$750,000.



1.2 PROJECTED WATER NEEDS AND WASTEWATER FLOWS

Table 1-1 shows projected water and wastewater connections, and metered water and wastewater billed volumes for Manvel. These projections are based on input from City staff. These projections are for an average year. Water use will tend to be more in dry years and less in wet years. **Figure 1-3** shows the historical and projected number of water and wastewater connections.

Review of historical water production in comparison to historical water billed volumes revealed substantial fluctuations in non-revenue water (both positive and negative). Values of non-revenue water above 12 percent are considered high for a retail water supplier. However, not all this non-revenue water is unaccounted for water. Some is used for authorized, beneficial purposes such as fire flow, line flushing, and irrigating city facilities, such as parks. Currently the city estimates the amount used for these purposes. To the extent possible, FNI recommends that the City meter as much of its unbilled authorized usage as feasible, particularly irrigation of City facilities. This will enable the City to better track how much water is actually being lost through leaks in the system. The City should continue to monitor non-revenue water and perform detailed water audits and seek to further reduce non-revenue water, unaccounted for water usage. The City should also audit its water production data, to ensure more accurate estimates of what is coming into the system.

Table 1-1: Projected Connections, and Water and Wastewater Billed Volume (including base)

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Water Connections	1,368	1,910	2,130	2,453	2,777	3,192	3,422	3,588	3,752	3,918
Wastewater Connections	1,326	1,864	2,080	2,399	2,718	3,127	3,352	3,511	3,668	3,827
Water Billed Volume (MG)	93	129	144	166	188	216	232	243	254	265
Wastewater Billed Volume (MG)	93	129	144	166	188	216	232	243	254	265



Figure 1-1: Historical Water Sales Revenues, by Customer Class

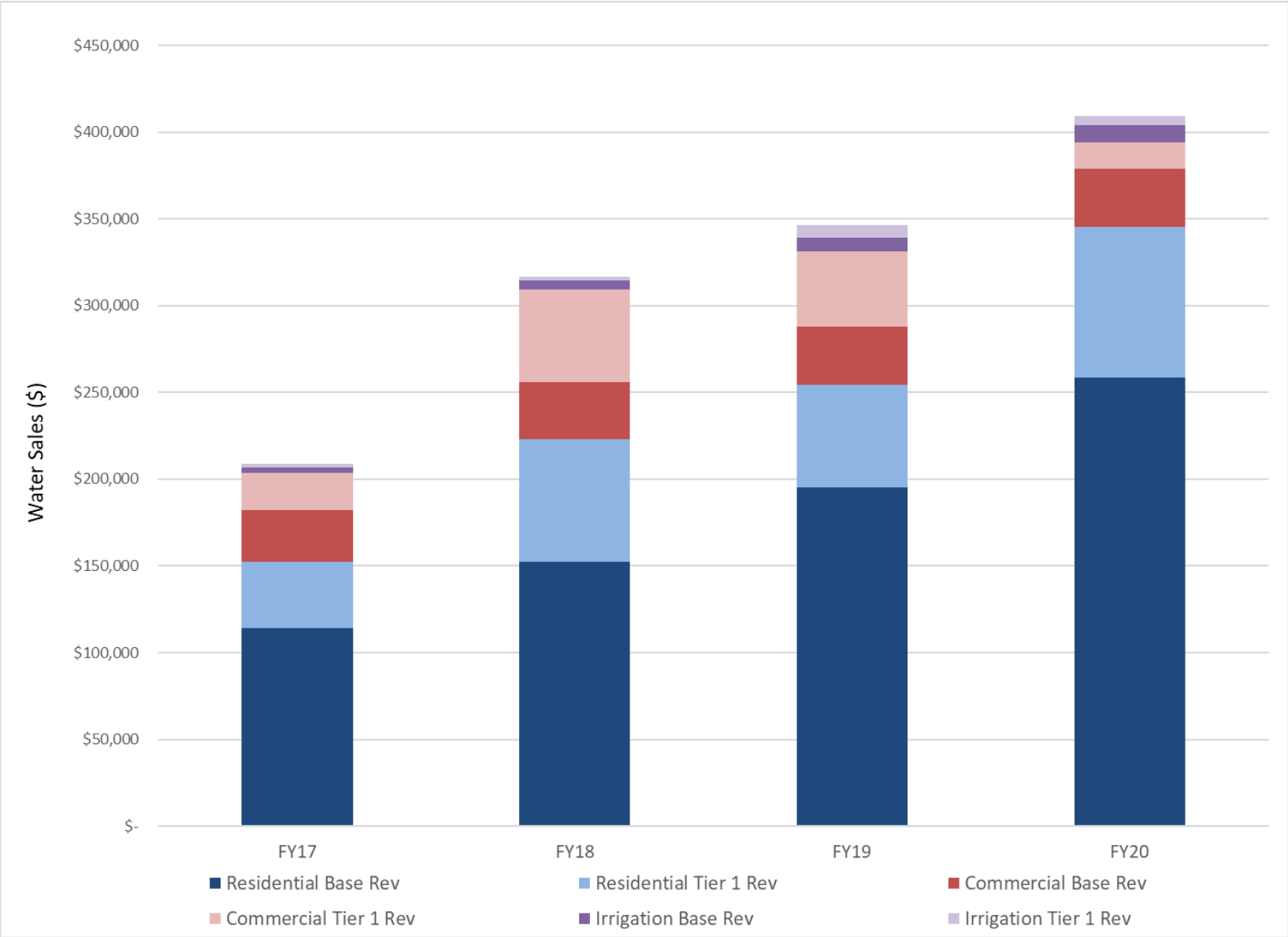




Figure 1-2: Historical Wastewater Sales Revenues, by Customer Class

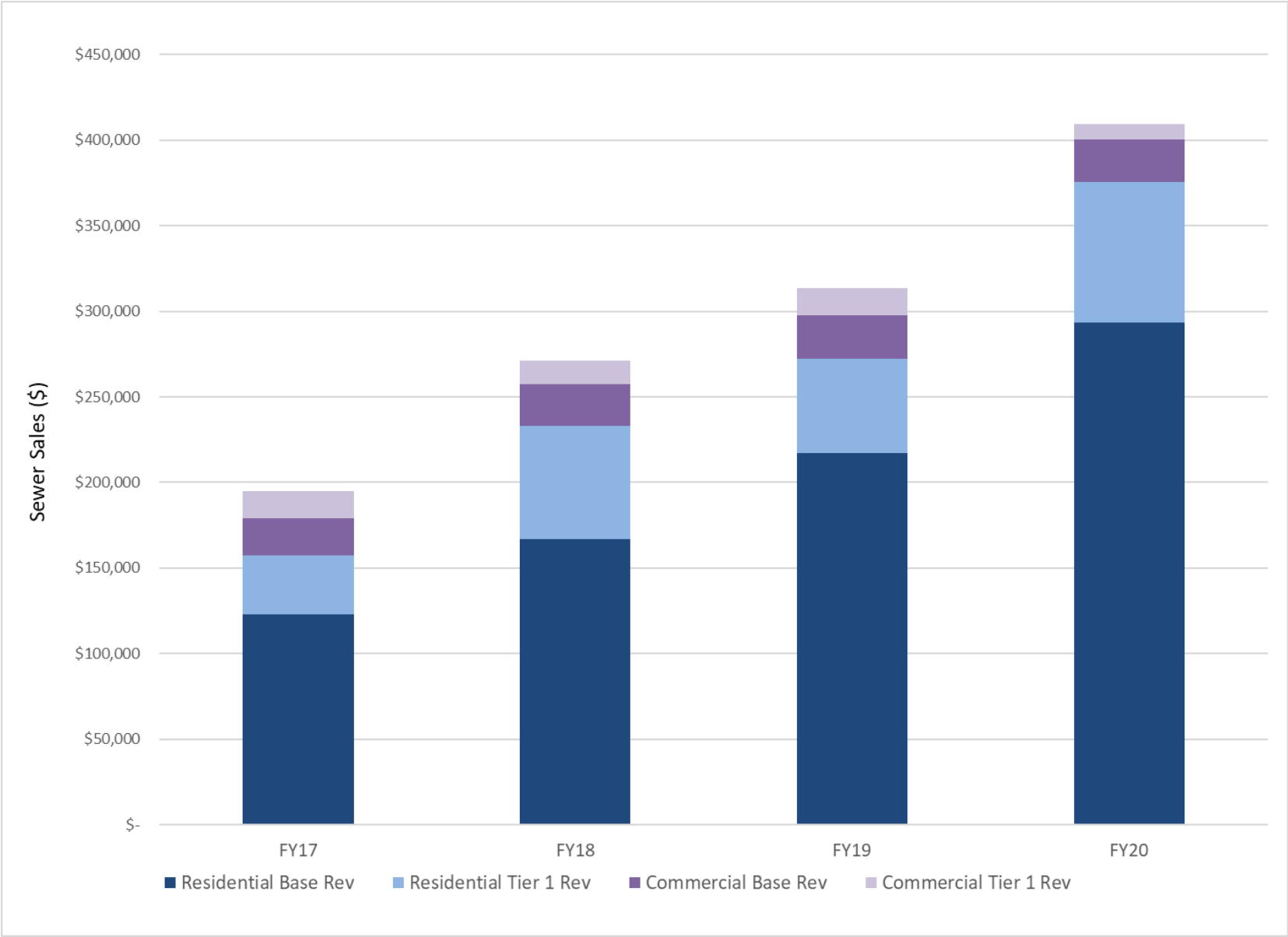
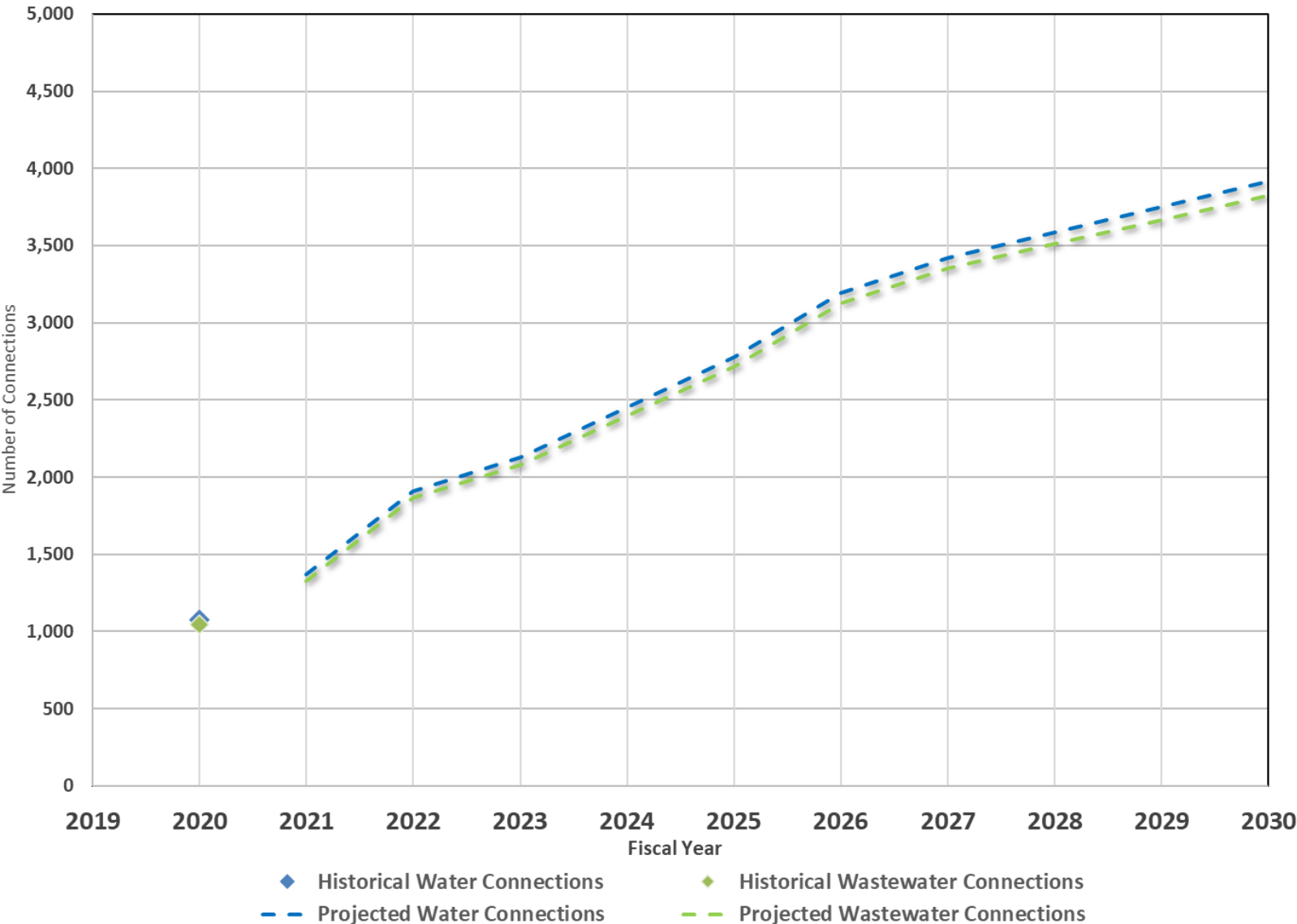




Figure 1-3: Historical and Projected Connections





2.0 HISTORICAL REVENUES AND EXPENSES

2.1 HISTORICAL REVENUES

Table 2-1 shows the historical revenues for the water and wastewater fund over the last four complete years (Fiscal Year 2016 – Fiscal Year 2020), as well as the budgeted revenues for Fiscal Year 2021. During this time, the City did not increase water or wastewater volumetric or base charges. Current rates as of September 2021 are shown in **Table 2-2**. Annual revenue from sales has averaged approximately \$531,000 over the previous four years, with total revenues (including transfers from the General Fund) averaging approximately \$745,000 over the same period. Over that time, water sales revenue made up on average approximately 50 percent of all sales revenue, and wastewater sales revenue made up on average approximately 50 percent.

2.2 HISTORICAL EXPENSES

Table 2-3 shows a summary of the historical expenses by major department. The annual expenses have averaged \$930,000. Historically, Water Expenditures make up on average approximately 50 percent of all expenses, followed by Administration Expenditures at 31 percent and Wastewater Expenditures at 19 percent. **Appendix Table A-1** provides a breakdown of historical expenses by line item.

2.3 COMPARISON OF HISTORICAL REVENUE AND EXPENSES

Figure 2-1 compares the historical revenue and expenses for the water and wastewater fund. The figure shows that in Fiscal Year 2016 through Fiscal Year 2020, expenses exceeded revenue (deficit), before taking into account the transfers from the General Fund.



Table 2-1: Historical Revenue for the Water and Wastewater Fund

Category	Historical				
	2015-2016	2016-17	2017-18	2018-19	2019-20
Utility Revenue (to include Sales)	\$438,389	\$456,564	\$588,268	\$702,040	\$869,137
Interest Revenue	\$382	\$0	\$1,464	\$335	\$0
Other Revenue	\$31,221	\$68,658	\$79,565	\$18,379	\$191
Transfers-In Revenue	\$400	\$98,426	\$57	\$375,000	\$0
TOTAL REVENUE	\$470,393	\$623,648	\$669,354	\$1,095,755	\$869,328

Table 2-2: Current City of Manvel Monthly Water & Wastewater Rates

Current Water Rates		
Residential		
Service Charge (includes 2,000 gallons)	\$25.00	
Volume Charge (2,001 gallons and above)	\$2.00	Per 1,000 gallons
Commercial/Irrigation		
Service Charge (includes 2,000 gallons)	\$30.00	
Volume Charge (2,001 gallons and above)	\$2.00	Per 1,000 gallons
Current Wastewater Rates		
Residential		
Service Charge (includes 2,000 gallons)	\$30.00	
Volume Charge (2,001 – 20,000 gallons*)	\$2.00	Per 1,000 gallons
Commercial		
Service Charge (includes 2,000 gallons)	\$35.00	
Volume Charge (2,001 – 20,000 gallons*)	\$2.00	Per 1,000 gallons

*No charge on Wastewater above 20,000 gallons

Table 2-3: Historical Expenses for the Water and Wastewater Fund, by Department

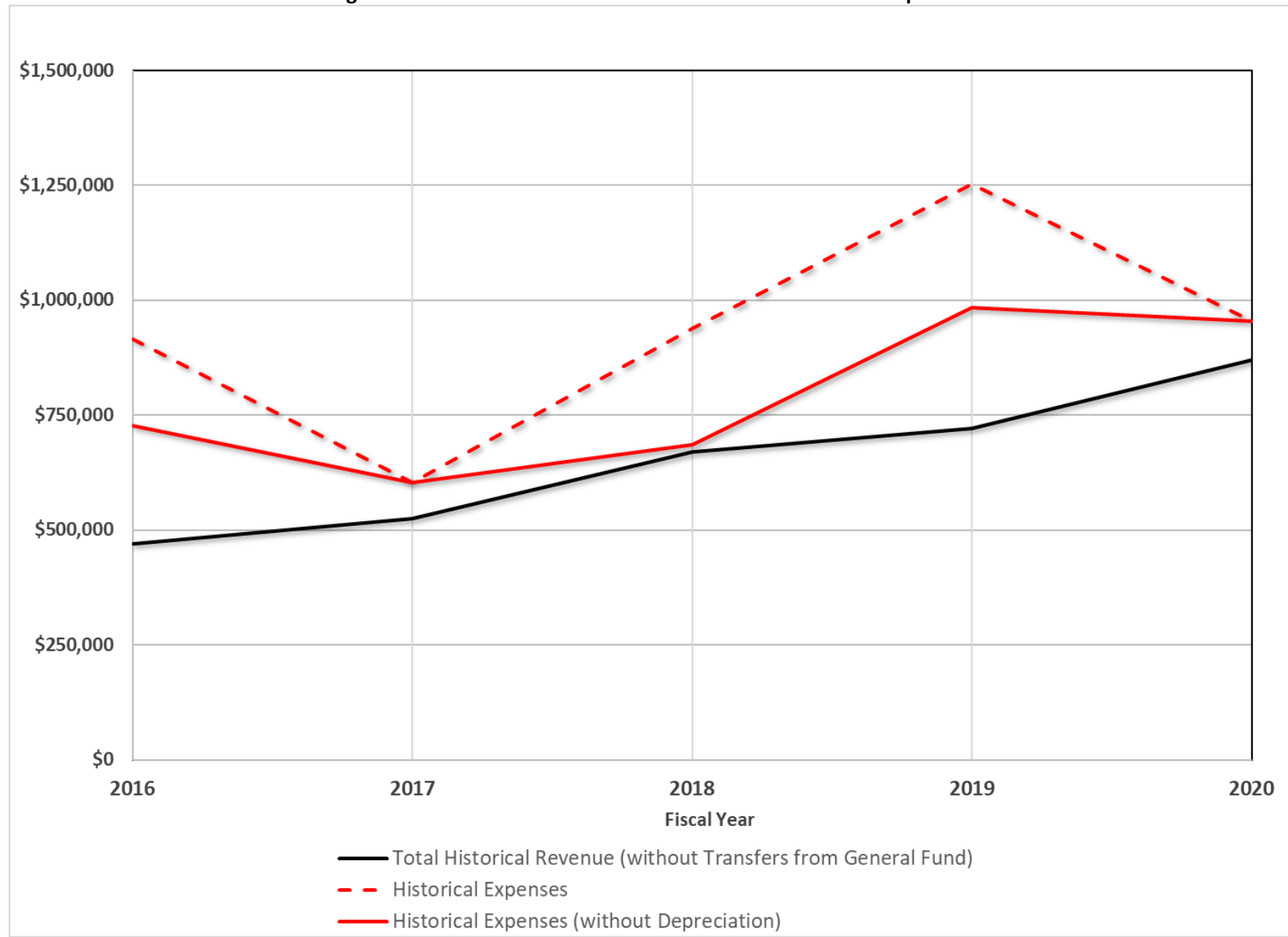
Department	Historical				
	2015-2016	2016-17	2017-18	2018-19	2019-20
Administration Expenses	\$342,491	\$246,462	\$274,339	\$336,797	\$251,307
Water Expenses	\$522,443	\$331,529	\$565,076	\$636,195	\$284,445
Wastewater Expenses	\$50,401	\$24,348	\$99,681	\$278,990	\$419,334
Non-Departmental Expenses	\$0	\$0	\$0	\$0	\$0
Total Operating Expenses	\$915,335	\$602,338	\$939,096	\$1,251,982	\$995,086

Total Revenue from Table 2-1	\$470,393	\$623,648	\$669,354	\$1,095,755	\$869,328
-------------------------------------	------------------	------------------	------------------	--------------------	------------------

Deficit (-) or Surplus (+)	-\$444,942	\$21,310	-\$269,742	-\$156,228	-\$85,757
-----------------------------------	-------------------	-----------------	-------------------	-------------------	------------------



Figure 2-1: Historical Water and Wastewater Revenue and Expenses





3.0 WATER AND WASTEWATER FUND RATE ANALYSIS

3.1 PROJECTED REVENUES AT CURRENT RATES

Table 3-1 shows projected revenues at current rates for the water and wastewater fund. Without impact fees, projected total revenue (to include non-sales revenue) for Fiscal Year 2022 is approximately \$3.3 million. A large portion of those revenues is derived from a one-time transfer from the General Fund, a practice which is not used in Fiscal Year 2023 through Fiscal Year 2030. With impact fees, projected total revenue (to include non-sales revenue) for Fiscal Year 2022 is approximately \$5.0 million. If held to current rates, revenue is anticipated to increase by the same trend in increased connections and water/wastewater use. **Figure 3-1** shows the historical water and wastewater revenues and projected revenues at current rates. This figure does not include any revenues associated with impact fees. Volumetric sales and other operating revenues increase by the growth in number of connections and therefore, the corresponding consumption volume. Base sales revenues increase by the growth factor for number of connections. Other non-operating revenues are held constant at the Fiscal Year 2021 budget amount, with the exception of the one-time transfer from the General Fund in Fiscal Year 2022.

3.2 PROJECTED EXPENSES

Table 3-2 is a summary by major category of the projected expenses for the water and wastewater fund. **Appendix Table A-1** details the projected expenses by department and line item, as well as the basis for those projections. Projected expenses for Fiscal Year 2022 are roughly \$3.3 million, largely derived from a one-time capital outlay expense. In future years, O&M expenses (not including debt service) are projected to increase at a modest rate, primarily due to inflation and other escalators.

Over the next 10 years, the City is anticipated to undertake approximately \$84 million (2021 dollars) in improvements to its water and wastewater system. Approximately \$37 million of this capital program will be paid for with rates. This study assumes the capital improvements are programmed in debt issuances every year between Fiscal Year 2022 and Fiscal Year 2027, and a small issuance in Fiscal Year 2030. On average, approximately 70 percent of the funds will be for wastewater projects and 30 percent for water projects. These improvements are necessary to provide for future growth, replace aging infrastructure, maintain reliable service, keep facilities in compliance with new regulations, and improve efficiency. Debt service payments for each year's bond issuance were calculated using an interest rate of 3 percent, 30-year repayment terms, and a yearly inflation rate of 4 percent applied to the present-day capital cost of



CIP projects that will be constructed in future years. A debt service coverage requirement of 1.25 was assumed for both the water fund and the wastewater fund. **Appendix Table A-2** identifies the timing of future debt service issuances paid for with rates (in 2021 dollars), and **Appendix Table A-3** calculates the annual payments for the rate portion of those future debt service issuances. Figure 3-2 shows the historical and projected expenses for the water and wastewater fund, taking into account the rate portion only of debt service payments. **Table 3-1** depicts the total projected revenue, with and without impact fees. **Table 3-2** depicts the total projected expenses, with only the rate portion of debt service payments. At current rates, without impact fee revenues and only taking into account the rate portion of debt service payments, expenses exceed revenues in Fiscal Year 2023 by roughly \$200,000, increasing to roughly \$2.3 million by Fiscal Year 2030. **Figure 3-3** compares projected expenses and revenues (at current rates).



Table 3-1: Projected Revenue at Current Rates for the Water and Wastewater Fund

Category	Budget	Projected								
	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Utility Revenue (to include Sales)	\$780,000	\$1,819,291	\$2,030,102	\$2,339,309	\$2,648,781	\$3,044,306	\$3,268,879	\$3,426,820	\$3,583,107	\$3,741,825
Other Revenue	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
Transfers-In Revenue	\$319,580	\$1,465,892	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL REVENUE (without impact fee)	\$1,104,580	\$3,290,183	\$2,035,102	\$2,344,309	\$2,653,781	\$3,049,306	\$3,273,879	\$3,431,820	\$3,588,107	\$3,746,825
Impact Fee Revenue (50%)		\$1,665,913	\$2,732,097	\$4,007,710	\$4,007,710	\$4,864,465	\$4,864,465	\$2,484,590	\$2,475,070	\$2,484,590
TOTAL REVENUE (with impact fee at 50%)	\$1,104,580	\$4,956,096	\$4,767,198	\$6,352,018	\$6,661,490	\$7,913,770	\$8,138,344	\$5,916,410	\$6,063,177	\$6,231,415



Figure 3-1: Historical and Projected Water and Wastewater Revenue (not including impact fees)

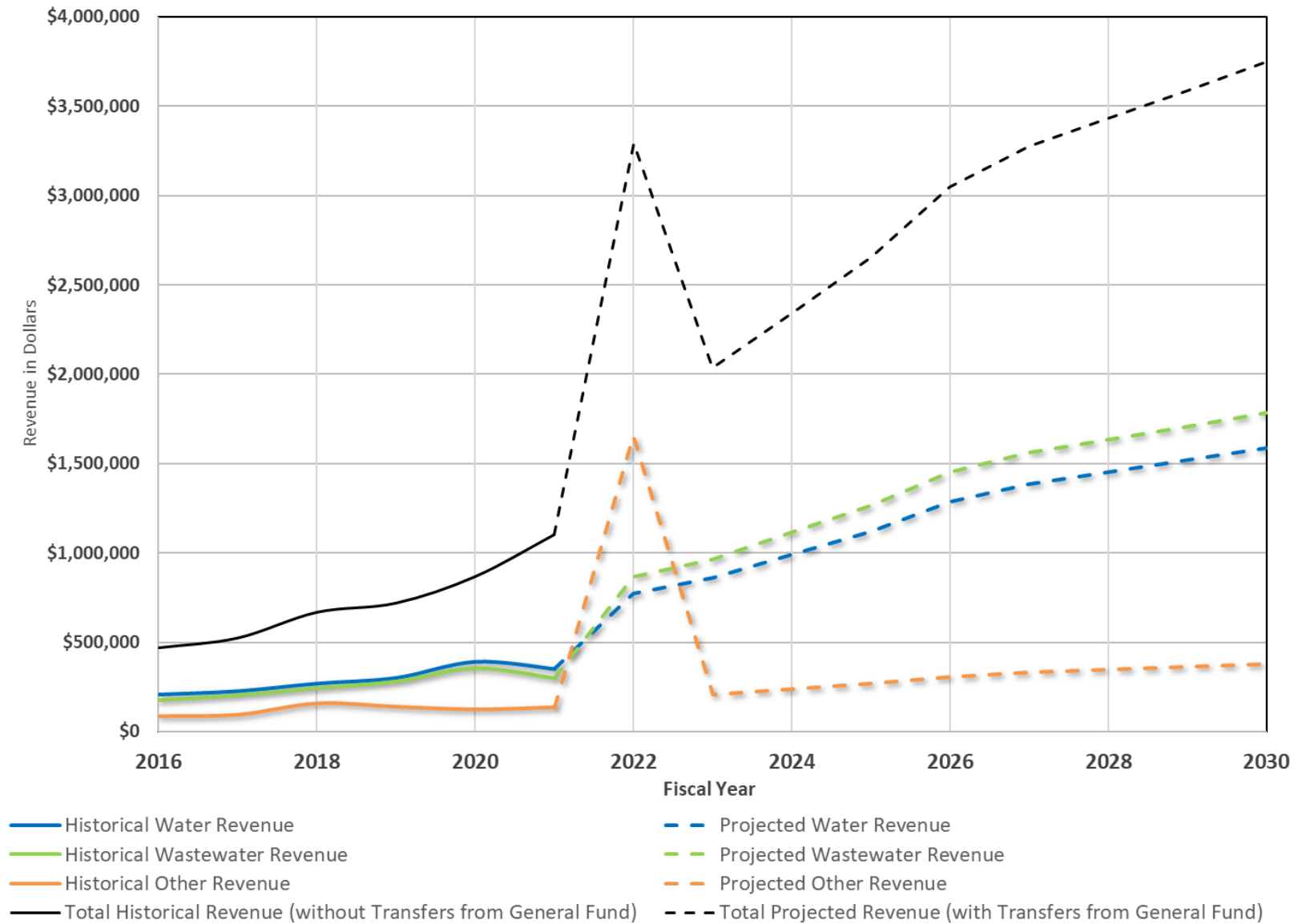




Table 3-2: Projected Expenses for the Water and Wastewater Fund, by Department

Department	Budget	Projected								
	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Water Utility										
Administrative	\$233,790	\$240,804	\$248,030	\$255,471	\$362,137	\$370,031	\$427,663	\$436,038	\$444,666	\$453,551
Operational	\$365,000	\$575,619	\$425,589	\$461,925	\$503,137	\$549,993	\$603,390	\$664,376	\$734,170	\$814,203
Non-Departmental	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Planned Debt Service – Rate Portion	\$0	\$0	\$263,008	\$580,978	\$739,280	\$855,331	\$855,331	\$859,663	\$980,915	\$1,613,306
TOTAL WATER	\$598,790	\$816,423	\$936,627	\$1,298,374	\$1,604,554	\$1,775,355	\$1,886,384	\$1,960,077	\$2,159,751	\$2,881,060
Wastewater Utility										
Administrative	\$233,790	\$240,804	\$248,030	\$255,471	\$362,137	\$370,031	\$427,663	\$436,038	\$444,666	\$453,551
Operational	\$272,000	\$2,227,956	\$320,945	\$350,430	\$814,503	\$902,897	\$946,502	\$776,091	\$805,471	\$834,046
Non-Departmental	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Planned Debt Service – Rate Portion	\$0	\$0	\$740,678	\$871,360	\$1,050,860	\$1,173,840	\$1,874,348	\$1,874,348	\$1,874,348	\$1,886,994
TOTAL WASTEWATER	\$505,790	\$2,468,760	\$1,309,653	\$1,477,261	\$2,227,499	\$2,446,768	\$3,248,513	\$3,086,477	\$3,124,484	\$3,174,590
Total Operating Expenses	\$1,104,580	\$3,285,183	\$2,246,279	\$2,775,635	\$3,832,053	\$4,222,123	\$5,134,897	\$5,046,554	\$5,284,235	\$6,055,650



Figure 3-2: Historical and Projected Water and Wastewater Expenses

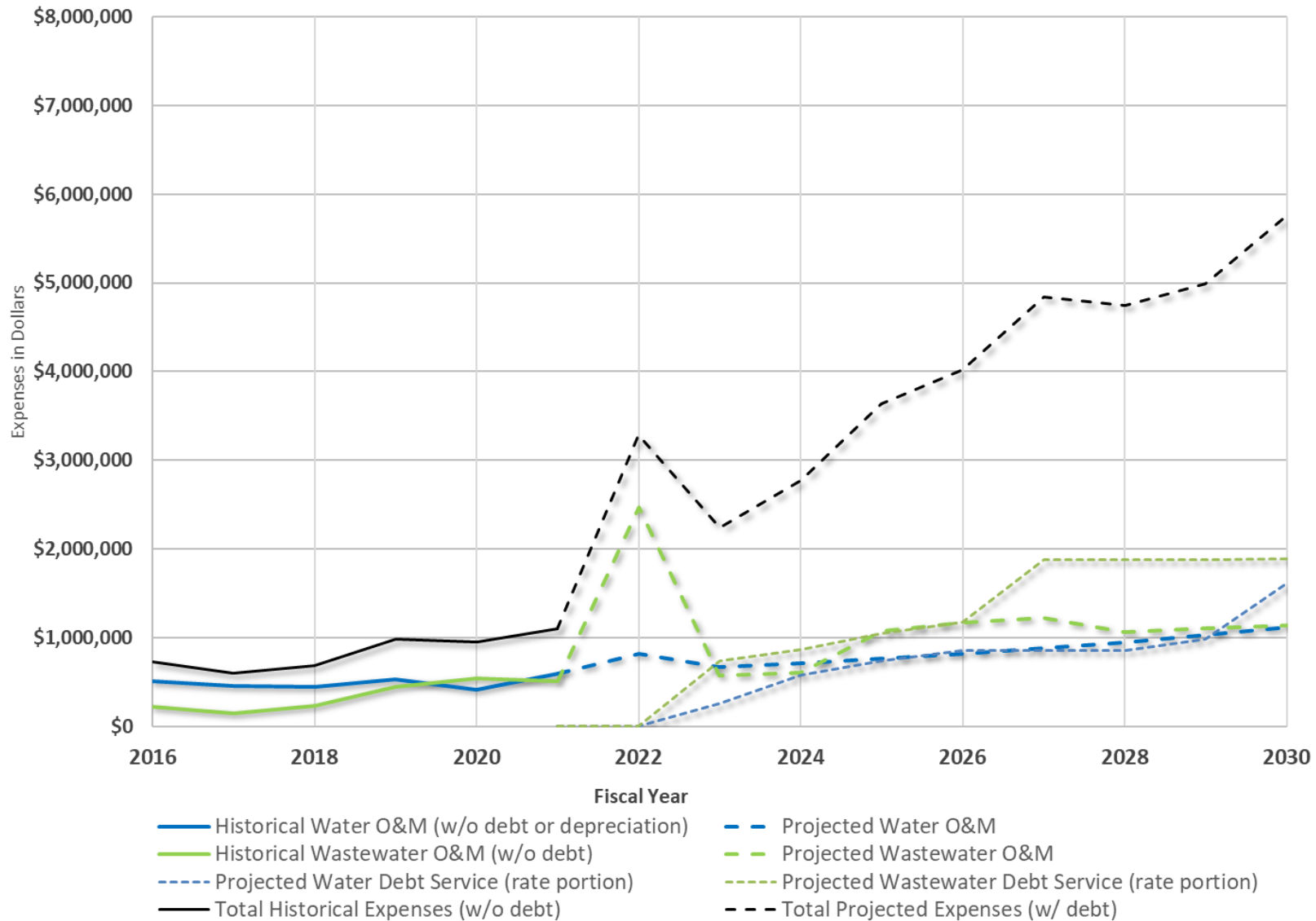
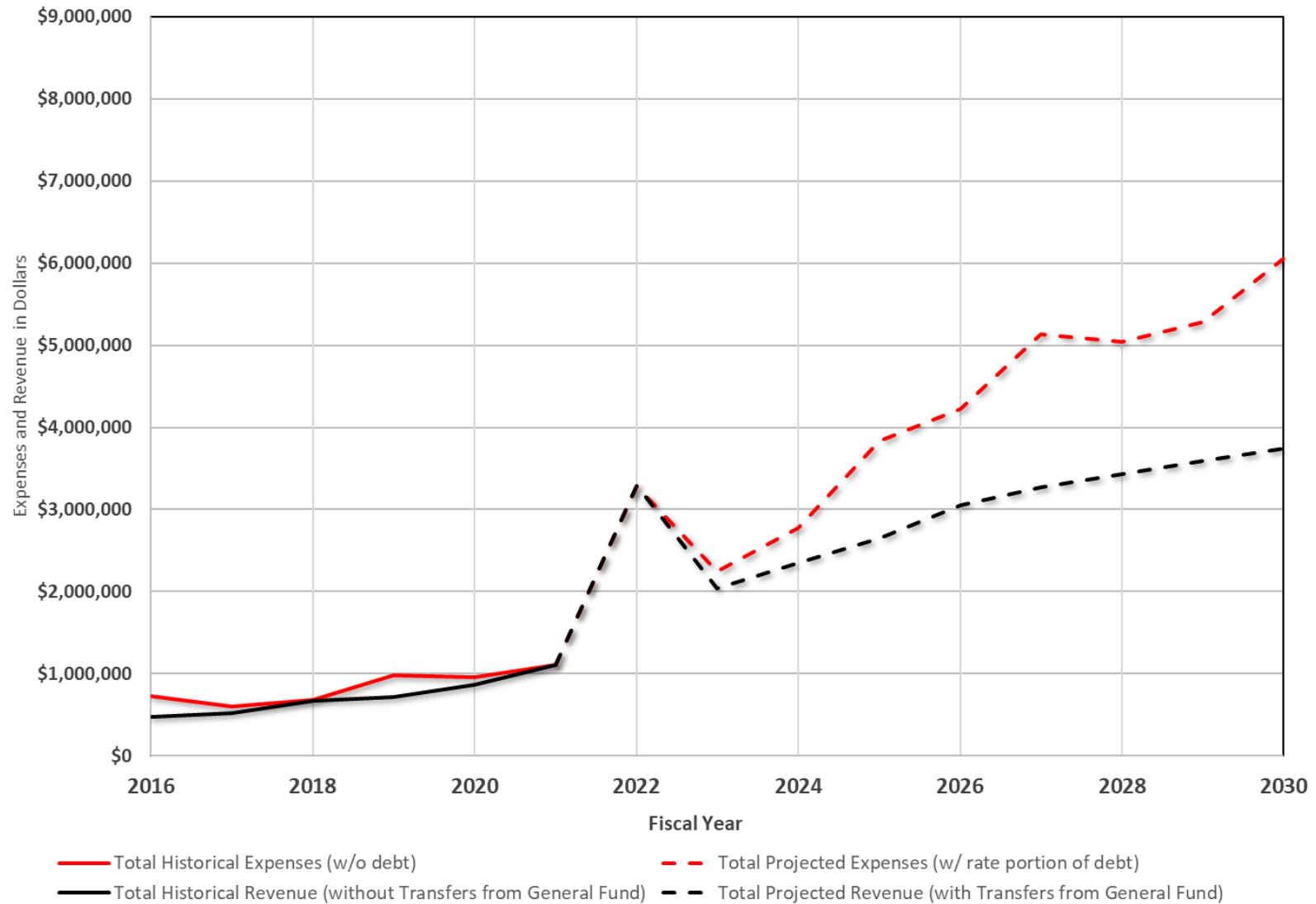




Figure 3-3: Historical and Projected Water and Wastewater Expenses (with rate portion of future Debt Service) and Revenue (at current rates)





4.0 RATE DESIGN

The schedule of proposed water rates has been designed toward implementing rate adjustments that meet the City's goals and objectives. Generally, the proposed rates have been designed to limit increases in the current service availability charge levels and to increase the volume charges for water consumption where necessary.

The schedule of proposed rates is designed following the same general form of rate structure as the existing water rates, which consist of a schedule of service availability charges and volume charges. The proposed service availability charge is designed to recover a portion of customer billing and collection costs, customer meter and service-related costs, and provision for a readiness-to-serve component. The schedule of volume charges have been designed to recover a portion of those costs related to supplying customers with water to meet their average and peak rates of use.



5.0 SUMMARY OF RATE RECOMMENDATIONS

The recommendations for water and wastewater rates and projected rate increases are summarized below in **Table 5-1**. Pro forma statements for the combined utility, wastewater fund, and water fund are found in **Appendix Table A-4** through **Table A-6**, respectively.

Table 5-1: Rate Adjustment Summary

Year	Combined Base	Combined Volumetric	Combined Overall
2022	0.0%	0.0%	0.0%
2023	13.4%	30.0%	17.3%
2024	14.9%	28.5%	18.1%
2025	6.3%	13.5%	8.0%
2026	2.7%	5.0%	3.2%
2027	8.1%	12.5%	9.1%
2028	4.6%	10.0%	5.9%
2029	4.6%	10.0%	5.9%
2030	9.2%	25.0%	12.9%

Table 5-1 through **Table 5-4** identify the specific rates recommended as a result of the rate study, by customer class. These rate adjustments are projected to provide sufficient revenue through Fiscal Year 2030 while maintaining a 1.25 debt service coverage ratio for both the water fund and the wastewater fund, and maintaining stable operating cash balances. Projected rate increases should be examined annually in light of future growth, revenues and system expenses.

Other Recommendations

1. The City of Manvel staff should prepare the documents necessary to obtain approval of the proposed financial plan and water and wastewater rates.
2. The City should continue to closely monitor its non-revenue water through audits, identification of leaks, and other appropriate measures.
3. The City should establish an Outside City Limits rate of 1.5 times the Inside City Limits rate.
4. The City should establish a policy on requirements to connect after service becomes available for existing development.
5. The City should update this rate study on an on-going basis. It should be done sooner if there are significant changes in the assumptions presented in this study, such as timing of the CIP projects.



Table 5-2: Residential Rate Adjustments Needed

Inside City Limits	Projected									
	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Base % Rate Increase (from Table 5-1)			13.4%	14.9%	6.3%	2.7%	8.1%	4.6%	4.6%	9.2%
Volumetric % Rate Increase (from Table 5-1)			30.0%	28.5%	13.5%	5.0%	12.5%	10.0%	10.0%	25.0%

Residential											
Water Monthly Fees		2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Base or Volumetric	Unit	Fee									
Base	First 2,000 gallons	\$25.00	\$25.00	\$28.36	\$32.59	\$34.65	\$35.58	\$38.46	\$40.24	\$42.09	\$45.98
Volumetric	per thousand gallons	\$2.00	\$2.00	\$2.60	\$3.34	\$3.79	\$3.98	\$4.48	\$4.93	\$5.42	\$6.78
Wastewater Monthly Fees		2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Base or Volumetric	Unit	Fee									
Base	First 2,000 gallons	\$30.00	\$30.00	\$34.03	\$39.11	\$41.58	\$42.70	\$46.15	\$48.28	\$50.51	\$55.18
Volumetric	per thousand gallons	\$2.00	\$2.00	\$2.60	\$3.34	\$3.79	\$3.98	\$4.48	\$4.93	\$5.42	\$6.78

Outside City Limits	Projected									
	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Base % Rate Increase (from Table 5-1)			13.4%	14.9%	6.3%	2.7%	8.1%	4.6%	4.6%	9.2%
Volumetric % Rate Increase (from Table 5-1)			30.0%	28.5%	13.5%	5.0%	12.5%	10.0%	10.0%	25.0%

Residential											
Water Monthly Fees		2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Base or Volumetric	Unit	Fee									
Base	First 2,000 gallons	\$37.50	\$37.50	\$42.54	\$48.89	\$51.98	\$53.38	\$57.69	\$60.35	\$63.14	\$68.98
Volumetric	per thousand gallons	\$3.00	\$3.00	\$3.90	\$5.01	\$5.69	\$5.97	\$6.72	\$7.39	\$8.13	\$10.16
Wastewater Monthly Fees		2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Base or Volumetric	Unit	Fee									
Base	First 2,000 gallons	\$45.00	\$45.00	\$51.05	\$58.67	\$62.37	\$64.05	\$69.23	\$72.42	\$75.77	\$82.77
Volumetric	per thousand gallons	\$3.00	\$3.00	\$3.90	\$5.01	\$5.69	\$5.97	\$6.72	\$7.39	\$8.13	\$10.16



Table 5-3: Commercial Rate Adjustments Needed

Inside City Limits	Projected									
	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Base % Rate Increase (from Table 5-1)			13.4%	14.9%	6.3%	2.7%	8.1%	4.6%	4.6%	9.2%
Volumetric % Rate Increase (from Table 5-1)			30.0%	28.5%	13.5%	5.0%	12.5%	10.0%	10.0%	25.0%

Commercial											
Water Monthly Fees		2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Base or Volumetric	Unit	Fee									
Base	First 2,000 gallons	\$30.00	\$30.00	\$34.03	\$39.11	\$41.58	\$42.70	\$46.15	\$48.28	\$50.51	\$55.18
Volumetric	per thousand gallons	\$2.00	\$2.00	\$2.60	\$3.34	\$3.79	\$3.98	\$4.48	\$4.93	\$5.42	\$6.78
Wastewater Monthly Fees		2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Base or Volumetric	Unit	Fee									
Base	First 2,000 gallons	\$35.00	\$35.00	\$39.71	\$45.63	\$48.51	\$49.82	\$53.84	\$56.33	\$58.93	\$64.38
Volumetric	per thousand gallons	\$2.00	\$2.00	\$2.60	\$3.34	\$3.79	\$3.98	\$4.48	\$4.93	\$5.42	\$6.78

Outside City Limits	Projected									
	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Base % Rate Increase (from Table 5-1)			13.4%	14.9%	6.3%	2.7%	8.1%	4.6%	4.6%	9.2%
Volumetric % Rate Increase (from Table 5-1)			30.0%	28.5%	13.5%	5.0%	12.5%	10.0%	10.0%	25.0%

Commercial											
Water Monthly Fees		2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Base or Volumetric	Unit	Fee									
Base	First 2,000 gallons	\$45.00	\$45.00	\$51.05	\$58.67	\$62.37	\$64.05	\$69.23	\$72.42	\$75.77	\$82.77
Volumetric	per thousand gallons	\$3.00	\$3.00	\$3.90	\$5.01	\$5.69	\$5.97	\$6.72	\$7.39	\$8.13	\$10.16
Wastewater Monthly Fees		2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Base or Volumetric	Unit	Fee									
Base	First 2,000 gallons	\$52.50	\$52.50	\$59.56	\$68.45	\$72.77	\$74.73	\$80.77	\$84.49	\$88.40	\$96.57
Volumetric	per thousand gallons	\$3.00	\$3.00	\$3.90	\$5.01	\$5.69	\$5.97	\$6.72	\$7.39	\$8.13	\$10.16



Table 5-4: Irrigation Rate Adjustments Needed

Inside City Limits	Projected									
	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Base % Rate Increase (from Table 5-1)			13.4%	14.9%	6.3%	2.7%	8.1%	4.6%	4.6%	9.2%
Volumetric % Rate Increase (from Table 5-1)			30.0%	28.5%	13.5%	5.0%	12.5%	10.0%	10.0%	25.0%

Irrigation											
Water Monthly Fees		2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Base or Volumetric	Unit	Fee									
Base	First 2,000 gallons	\$30.00	\$30.00	\$34.03	\$39.11	\$41.58	\$42.70	\$46.15	\$48.28	\$50.51	\$55.18
Volumetric	per thousand gallons	\$2.00	\$2.00	\$2.60	\$3.34	\$3.79	\$3.98	\$4.48	\$4.93	\$5.42	\$6.78

Outside City Limits	Projected									
	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Base % Rate Increase (from Table 5-1)			13.4%	14.9%	6.3%	2.7%	8.1%	4.6%	4.6%	9.2%
Volumetric % Rate Increase (from Table 5-1)			30.0%	28.5%	13.5%	5.0%	12.5%	10.0%	10.0%	25.0%

Irrigation											
Water Monthly Fees		2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Base or Volumetric	Unit	Fee									
Base	First 2,000 gallons	\$45.00	\$45.00	\$51.05	\$58.67	\$62.37	\$64.05	\$69.23	\$72.42	\$75.77	\$82.77
Volumetric	per thousand gallons	\$3.00	\$3.00	\$3.90	\$5.01	\$5.69	\$5.97	\$6.72	\$7.39	\$8.13	\$10.16



6.0 COMPARISON TO NEARBY CITIES

Table 6-1 shows the monthly cost for residential water and wastewater service for use of 5,000 gallons for Manvel and other nearby cities, while **Table 6-2** shows the same for 10,000 gallons. The costs for water and wastewater services are based on information found on the cities' websites as of November 2021.

Figure 6-1 shows the comparison of costs for 5,000 gallons of water and wastewater service for a typical residential customer inside city limits, while **Figure 6-2** shows the same for 10,000 gallons. At its current rates, Manvel has the fifth lowest total water and wastewater cost out of eight area cities surveyed for the cost of 5,000 gallons, and has the second lowest for 10,000 gallons.

Table 6-1: Residential Water and Wastewater Rate Comparison to Nearby Cities

City	5,000 Gallons/month		
	Water	Wastewater	Total
Brazoria County MUD #29	\$17.25	\$17.25	\$34.50
Clute	\$28.95	\$28.95	\$57.60
Angleton ICL	\$38.28	\$23.34	\$61.62
Pearland	\$27.96	\$37.74	\$65.70
Manvel FY21	\$31.00	\$36.00	\$67.00
Port Lavaca ICL	\$36.37	\$31.37	\$67.74
Richwood	\$37.45	\$35.45	\$72.90
Alvin	\$34.06	\$44.67	\$78.73
Portland	\$37.58	\$43.98	\$81.56

Table 6-2: Residential Water and Wastewater Rate Comparison to Nearby Cities

City	10,000 Gallons/month		
	Water	Wastewater	Total
Brazoria County MUD #29	\$30.75	\$28.50	\$59.25
Manvel FY 2021	\$41.00	\$46.00	\$87.00
Clute	\$48.70	\$48.70	\$97.40
Angleton ICL	\$67.88	\$36.84	\$104.72
Portland	\$57.23	\$50.63	\$107.86
Pearland	\$52.38	\$62.74	\$115.12
Richwood	\$59.20	\$57.20	\$116.40
Port Lavaca ICL	\$62.67	\$57.82	\$120.49
Alvin	\$58.71	\$69.32	\$128.03



Figure 6-1: Residential Water and Wastewater Rate Comparison with Other Cities, Monthly Bill (5,000 gallons)

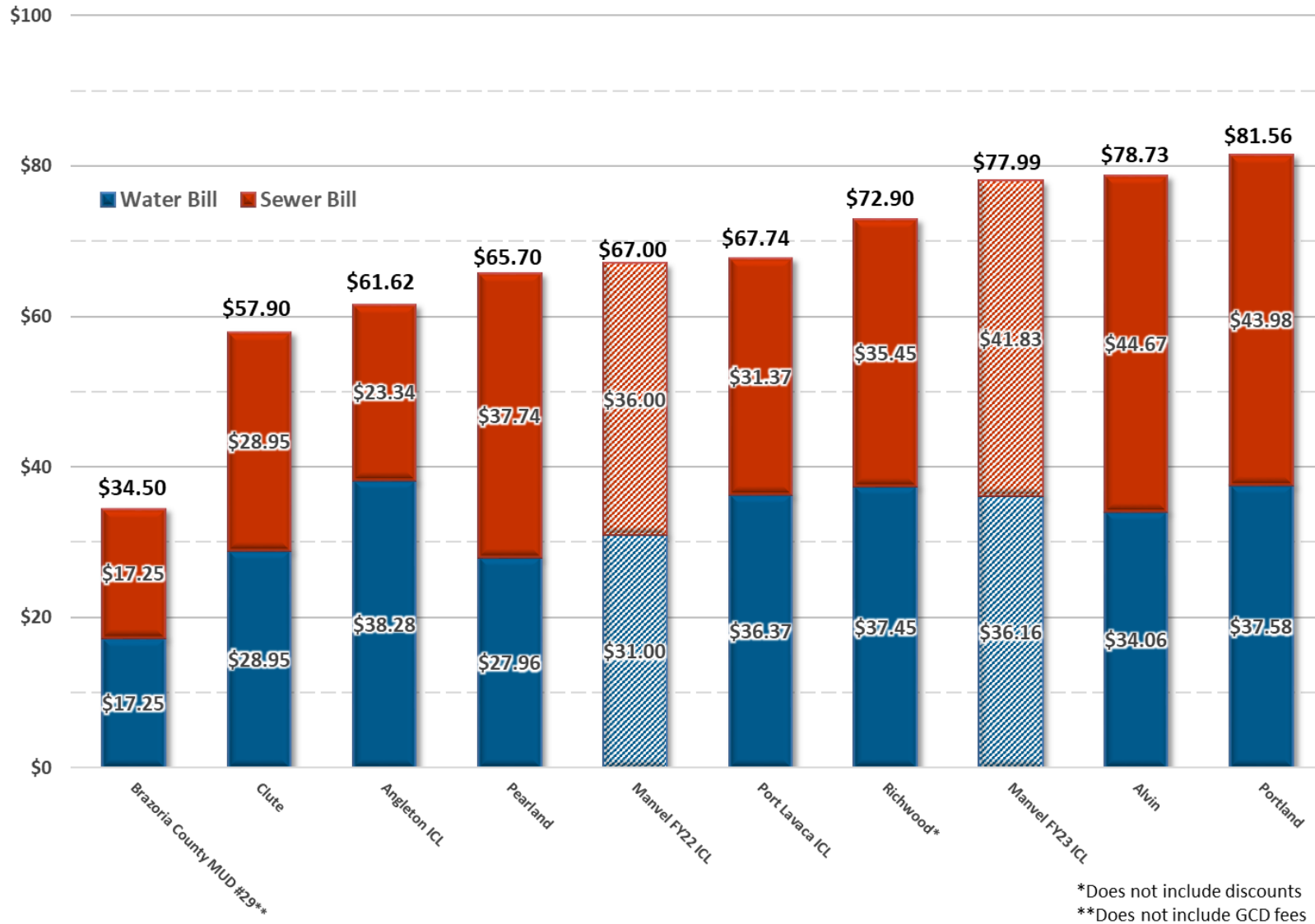
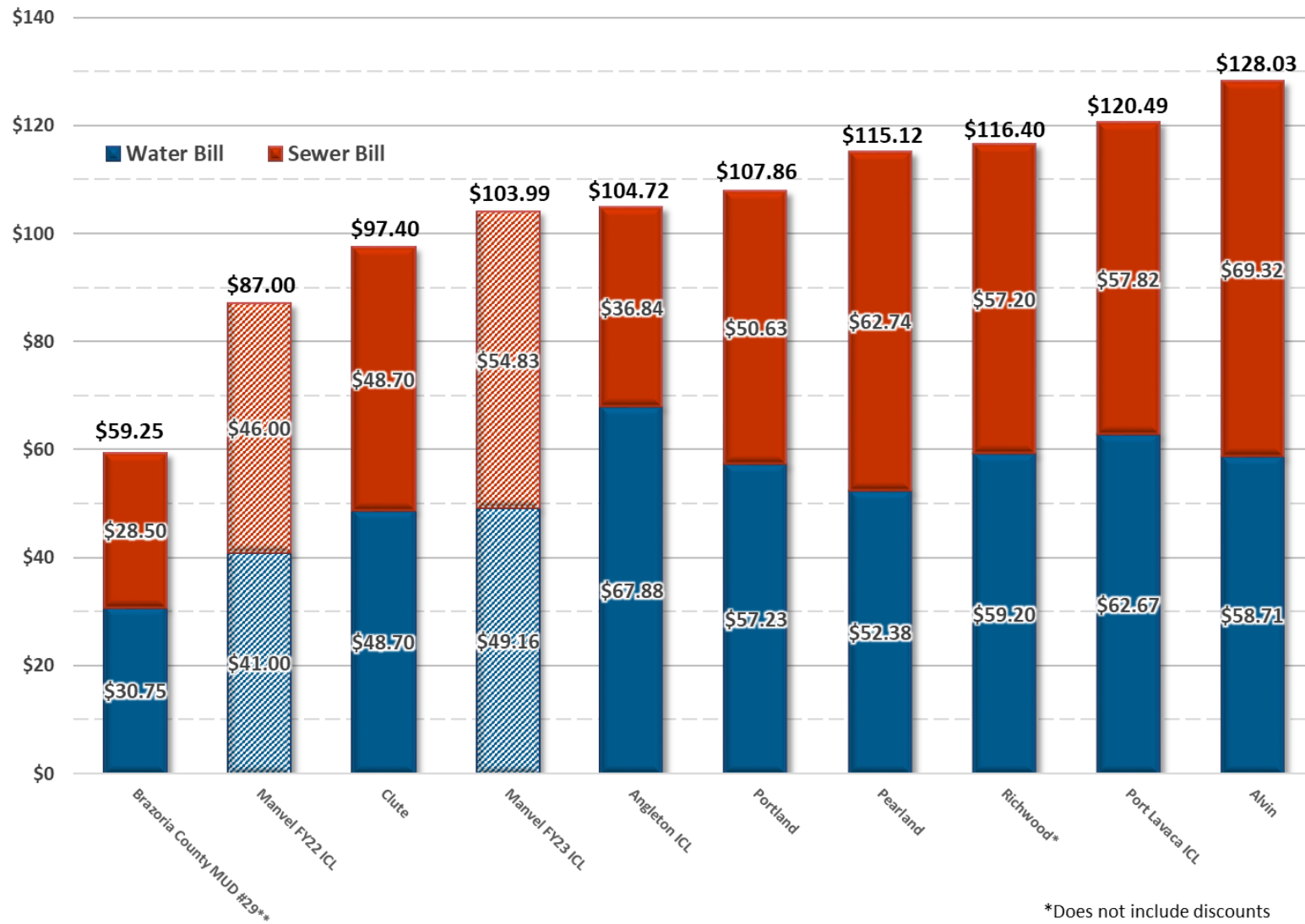




Figure 6-2: Residential Water and Wastewater Rate Comparison with Other Cities, Monthly Bill (10,000 gallons)



*Does not include discounts

**Does not include GCD fees



APPENDIX A

Expenses for Water and Wastewater Fund



Table A-1: Historical Expenses, by Line Item

Historical Expenses by Fiscal Year					
	2015-16	2016-17	2017-18	2018-19	2019-20
Administration					
40-10-5000 Salaries	\$72,600	\$117,869	\$142,989	\$159,345	\$112,495
40-10-5002 Overtime	\$8,763	\$10,361	\$11,340	\$10,975	\$949
40-10-5003 Holiday Pay	\$3,436	\$0	\$0	\$0	\$0
40-10-5004 Taxes, Social Security	\$6,392	\$0	\$0	\$0	\$0
40-10-5005 Retirement	\$4,912	\$0	\$0	\$0	\$0
40-10-5006 Longevity	\$353	\$600	\$720	\$840	\$840
40-10-5007 Part Time Wages	\$0	\$0	\$0	\$158	\$0
40-10-5010 Taxes, Social Security	\$0	\$9,098	\$10,996	\$10,617	\$8,290
40-10-5012 TWC	\$0	\$875	\$0	\$0	\$0
40-10-5030 Health & Life Insurance	\$9,608	\$19,658	\$30,485	\$29,506	\$16,398
40-10-5031 Vision	\$0	\$0	\$351	\$349	\$192
40-10-5032 Life & LTD	\$0	\$0	\$655	\$713	\$402
40-10-5033 Dental	\$0	\$0	\$1,468	\$1,586	\$818
40-10-5034 Retirement	\$0	\$14,904	\$19,509	\$20,834	\$12,760
40-10-5035 Cell Phone Allowance	\$0	\$519	\$173	\$1,004	\$595
40-10-5038 Flex	\$0	\$0	\$92	\$152	\$57
40-10-5039 Flex Card - Health Ins	\$0	\$0	\$1,167	\$1,277	\$471
40-10-5040 Workers Compensation	\$2,972	-\$805	\$11,196	\$0	\$4,502
40-10-5041 Pension Expense	\$0	\$0	-\$8,962	-\$4,428	\$0
40-10-5201 Contract Services	\$3,725	\$0	\$0	\$0	\$0
40-10-5202 Mowing & Weed Control	\$1,298	\$688	\$355	\$2,301	\$0
40-10-5220 Janitorial Supplies & Cleaning	\$0	\$432	\$0	\$0	\$0
40-10-5222 Postage	\$2,363	\$2,200	\$1,813	\$2,567	\$2,000
40-10-5225 Fuel	\$0	\$0	\$0	\$47	\$0
40-10-5230 Office Expense	\$880	\$1,437	\$667	\$0	\$687



Historical Expenses by Fiscal Year					
	2015-16	2016-17	2017-18	2018-19	2019-20
40-10-5240 Minor Tools & Equipment	\$0	\$2,282	\$0	\$12,110	\$9,537
40-10-5300 Equipment Rental	\$0	\$4,577	\$3,983	\$6,732	\$1,123
40-10-5320 Bank/Convenience Charges	\$0	\$0	\$0	\$0	\$0
40-10-5370 Radio Repairs	\$0	\$0	\$0	\$0	\$0
40-10-5380 Building Repair & Maintenance	\$0	\$0	\$0	\$0	\$0
40-10-5418 Employment Testing	\$0	\$0	\$0	\$0	\$0
40-10-5432 Rental Equipment	\$6,265	\$0	\$0	\$0	\$0
40-10-5440 Computer Maintenance/Support	\$0	\$0	\$0	\$0	\$1,442
40-10-5441 Computer Software	\$4,160	\$7,927	\$0	\$0	\$0
40-10-5445 Telephone	\$2,029	\$1,179	\$0	\$303	\$0
40-10-5446 Uniforms	\$0	\$0	\$90	\$0	\$556
40-10-5458 Maintenance Agreements	\$0	\$0	\$0	\$0	\$0
40-10-5550 Radio Usage	\$810	\$1,476	\$1,476	\$1,968	\$1,476
40-10-5615 Credit Card Processing Fees	\$4,181	\$5,937	\$8,958	\$10,532	\$12,294
40-10-5622 Dues & Subscriptions	\$0	\$0	\$0	\$0	\$0
40-10-5630 Insurance and Bonds	\$114	\$14,454	\$0	\$0	\$0
40-10-5636 Equipment Repairs/Maintenance	\$0	\$0	\$0	\$0	\$0
40-10-5638 Vehicle Repairs/Maintenance	\$0	\$0	\$0	\$2,204	\$0
40-10-5645 Training & Travel	\$1,129	\$1,807	\$307	\$2,465	\$175
40-10-5650 Mileage	\$0	\$0	\$0	\$0	\$0
40-10-5655 Other Expenses	\$0	\$0	\$7,772	\$0	\$0
40-10-5700 Vehicle/Equip Replacement Fees	\$4,125	\$10,438	\$24,149	\$62,641	\$58,000
40-10-5701 Legal Fees	\$0	\$0	\$0	\$0	\$0
40-10-5742 Subsidence Fees	\$627	\$2,155	\$0	\$0	\$0
40-10-5800 Eng/Consulting/Planning Fees	\$10,300	\$16,394	\$2,590	\$0	\$5,250
40-10-8641 Transfer from	\$191,450	\$0	\$0	\$0	\$0
40-10-8700 Salary Adjustments	\$0	\$0	\$0	\$0	\$0



Historical Expenses by Fiscal Year					
	2015-16	2016-17	2017-18	2018-19	2019-20
40-10-8701 Compensation Study Adjustment	\$0	\$0	\$0	\$0	\$0
Administration Subtotal	\$342,491	\$246,462	\$274,339	\$336,797	\$251,307
Water					
40-54-5204 Chemicals	\$6,202	\$11,530	\$9,204	\$16,300	\$13,514
40-54-5210 Supplies	\$0	\$0	\$0	\$0	\$0
40-54-5212 Safety Equipment/Supplies	\$0	\$0	\$0	\$0	\$0
40-54-5222 Postage	\$0	\$0	\$0	\$0	\$0
40-54-5225 Fuel	\$0	\$0	\$61	\$422	\$126
40-54-5240 Minor Tools & Equipment	\$4,288	\$4,828	\$2,116	\$2,110	\$6,701
40-54-5245 Fire Hydrants	\$0	\$0	\$0	\$0	\$0
40-54-5310 Meter Replacement Program	\$11,240	\$19,671	\$44,567	\$114,811	\$92,983
40-54-5312 Other Reimbursements	\$0	\$0	\$600	\$0	\$0
40-54-5325 Utility Billing Charges	\$0	\$0	\$249	\$0	\$0
40-54-5420 Electricity	\$48,961	\$66,228	\$55,629	\$29,055	\$26,195
40-54-5421 Electrical Service	\$0	\$0	\$0	\$0	\$0
40-54-5435 Safety & Water Testing	\$0	\$0	\$0	\$0	\$0
40-54-5440 Computer Maintenance/Support	\$0	\$0	\$4,484	\$5,124	\$6,529
40-54-5441 Computer Software	\$1,360	\$367	\$824	\$0	\$0
40-54-5445 Telephone	\$0	\$0	\$1,351	\$1,224	\$2,556
40-54-5446 Uniforms	\$0	\$0	\$0	\$1,074	\$543
40-54-5498 Tap Connection Expense	\$0	\$0	\$0	\$1,650	\$0
40-54-5499 Laboratory Expenses	\$9,691	\$12,821	\$17,744	\$11,322	\$8,894
40-54-5622 Dues & Subscriptions	\$0	\$0	\$0	\$0	\$0
40-54-5630 Insurance and Bonds	\$0	\$0	\$0	\$0	\$0
40-54-5636 Equipment Repairs/Maintenance	\$184,955	\$191,581	\$156,203	\$161,162	\$105,671
40-54-5638 Vehicle Repairs/Maintenance	\$1,688	\$6,659	\$4,671	\$3,506	\$3,848
40-54-5645 Training & Travel	\$660	\$416	\$2,394	\$245	\$115



Historical Expenses by Fiscal Year					
	2015-16	2016-17	2017-18	2018-19	2019-20
40-54-5655 Other Expenses	\$8,055	\$0	\$0	\$0	\$0
40-54-5700 Vehicle/Equip Replacement Fees	\$4,125	\$4,014	\$5,955	\$11,638	\$9,000
40-54-5729 Permits & Assessments	\$2,464	\$3,562	\$3,717	\$3,707	\$3,871
40-54-5730 Legal Notices	\$0	\$0	\$0	\$0	\$0
40-54-5742 Subsidence Fees	\$1,378	\$357	\$2,167	\$4,387	\$3,900
40-54-5746 Water Sample Inspection	\$0	\$0	\$0	\$0	\$0
40-54-5800 Eng/Consulting/Planning Fees	\$13,585	\$9,495	\$0	\$0	\$0
40-54-6010 Capital Outlay - Technology	\$0	\$0	\$0	\$0	\$0
40-54-6020 Capital Outlay - Equipment	\$21,092	\$0	\$0	\$0	\$0
40-54-6030 Capital Outlay - Vehicle	\$0	\$0	\$0	\$0	\$0
40-54-6040 Capital Outlay - Furniture & Fixtures	\$0	\$0	\$0	\$0	\$0
40-54-6070 Capital Outlay - Improvements	\$0	\$0	\$0	\$0	\$0
40-54-6203 Capital Outlay - Capitalize Taps	\$14,000	\$0	\$0	\$0	\$0
40-54-7025 WWTP to - Blowers/auto Dialer	\$0	\$0	\$0	\$0	\$0
40-54-8410 Depreciation Expense	\$188,699	\$0	\$253,138	\$268,458	\$0
40-54-8700 Salary Adjustments	\$0	\$0	\$0	\$0	\$0
Water Subtotal	\$522,443	\$331,529	\$565,076	\$636,195	\$284,445
Wastewater					
40-56-5203 Sludge Hauling	\$0	\$0	\$0	\$0	\$0
40-56-5204 Chemicals	\$0	\$0	\$7,187	\$8,936	\$9,717
40-56-5210 Supplies	\$0	\$0	\$0	\$0	\$0
40-56-5212 Safety Equipment/Supplies	\$0	\$0	\$0	\$0	\$0
40-56-5225 Fuel	\$0	\$0	\$3,744	\$39	\$0
40-56-5240 Minor Tools & Equipment	\$0	\$0	\$896	\$5,954	\$9,882
40-56-5312 Other Reimbursements	\$0	\$0	\$2,662	\$0	\$0
40-56-5325 Utility Billing Charges	\$0	\$0	\$0	\$0	\$0
40-56-5419 Sludge Hauling	\$14,200	\$24,348	\$33,238	\$44,090	\$46,036



Historical Expenses by Fiscal Year					
	2015-16	2016-17	2017-18	2018-19	2019-20
40-56-5420 Electricity	\$0	\$0	\$2,859	\$40,809	\$34,421
40-56-5421 Electrical Service	\$0	\$0	\$0	\$0	\$0
40-56-5432 Rental Equipment	\$0	\$0	\$10,075	\$17,275	\$17,802
40-56-5445 Telephone	\$0	\$0	\$229	\$538	\$1,384
40-56-5446 Uniforms	\$0	\$0	\$0	\$855	\$1
40-56-5480 Contract Labor	\$0	\$0	\$18,000	\$0	\$0
40-56-5499 Laboratory Expenses	\$0	\$0	\$540	\$10,985	\$15,145
40-56-5500 Operator Fees	\$28,650	\$0	\$0	\$0	\$0
40-56-5630 Insurance and Bonds	\$0	\$0	\$16,045	\$0	\$0
40-56-5636 Equipment Repairs/Maintenance	-\$1,600	\$0	\$2,559	\$126,330	\$114,846
40-56-5637 Sewer Line Maintenance & Repairs	\$0	\$0	\$0	\$0	\$0
40-56-5645 Training & Travel	\$0	\$0	\$1,646	\$3,284	\$100
40-56-6010 Capital Outlay - Technology	\$0	\$0	\$0	\$0	\$0
40-56-6020 Capital Outlay - Equipment	\$9,150	\$0	\$0	\$19,893	\$170,000
40-56-6030 Capital Outlay - Vehicle	\$0	\$0	\$0	\$0	\$0
40-56-6040 Capital Outlay - Furniture & Fixtures	\$0	\$0	\$0	\$0	\$0
40-56-6070 Capital Outlay - Improvements	\$0	\$0	\$0	\$0	\$0
40-56-6080 Capital Outlay - Building	\$0	\$0	\$0	\$0	\$0
40-56-5203 Sludge Hauling	\$0	\$0	\$0	\$0	\$0
40-56-5204 Chemicals	\$0	\$0	\$7,187	\$8,936	\$9,717
40-56-5210 Supplies	\$0	\$0	\$0	\$0	\$0
40-56-5212 Safety Equipment/Supplies	\$0	\$0	\$0	\$0	\$0
40-56-5225 Fuel	\$0	\$0	\$3,744	\$39	\$0
40-56-5240 Minor Tools & Equipment	\$0	\$0	\$896	\$5,954	\$9,882
40-56-5312 Other Reimbursements	\$0	\$0	\$2,662	\$0	\$0
40-56-5325 Utility Billing Charges	\$0	\$0	\$0	\$0	\$0
40-56-5419 Sludge Hauling	\$14,200	\$24,348	\$33,238	\$44,090	\$46,036



Historical Expenses by Fiscal Year					
	2015-16	2016-17	2017-18	2018-19	2019-20
40-56-5420 Electricity	\$0	\$0	\$2,859	\$40,809	\$34,421
40-56-5421 Electrical Service	\$0	\$0	\$0	\$0	\$0
40-56-5432 Rental Equipment	\$0	\$0	\$10,075	\$17,275	\$17,802
40-56-5445 Telephone	\$0	\$0	\$229	\$538	\$1,384
40-56-5446 Uniforms	\$0	\$0	\$0	\$855	\$1
40-56-5480 Contract Labor	\$0	\$0	\$18,000	\$0	\$0
40-56-5499 Laboratory Expenses	\$0	\$0	\$540	\$10,985	\$15,145
40-56-5500 Operator Fees	\$28,650	\$0	\$0	\$0	\$0
40-56-5630 Insurance and Bonds	\$0	\$0	\$16,045	\$0	\$0
40-56-5636 Equipment Repairs/Maintenance	-\$1,600	\$0	\$2,559	\$126,330	\$114,846
40-56-5637 Sewer Line Maintenance & Repairs	\$0	\$0	\$0	\$0	\$0
40-56-5645 Training & Travel	\$0	\$0	\$1,646	\$3,284	\$100
40-56-6010 Capital Outlay - Technology	\$0	\$0	\$0	\$0	\$0
40-56-6020 Capital Outlay - Equipment	\$9,150	\$0	\$0	\$19,893	\$170,000
40-56-6030 Capital Outlay - Vehicle	\$0	\$0	\$0	\$0	\$0
40-56-6040 Capital Outlay - Furniture & Fixtures	\$0	\$0	\$0	\$0	\$0
40-56-6070 Capital Outlay - Improvements	\$0	\$0	\$0	\$0	\$0
40-56-6080 Capital Outlay - Building	\$0	\$0	\$0	\$0	\$0
Wastewater Subtotal	\$50,401	\$24,348	\$99,681	\$278,990	\$419,334
Non-Departmental					
40-95-8510 Transfer to General Fund	\$0	\$0	\$0	\$0	\$0
40-95-8590 Transfer Out - Debt Service Fund	\$0	\$0	\$0	\$0	\$0
40-95-8591 Transfer Out - Veh/Equip Replace Fund	\$0	\$0	\$0	\$0	\$0
Non-Departmental Subtotal	\$0	\$0	\$0	\$0	\$0
TOTAL OPERATING EXPENSES (w/ Depreciation)	\$915,335	\$602,338	\$939,096	\$1,251,982	\$955,086
TOTAL OPERATING EXPENSES (w/o Depreciation)	\$726,636	\$602,338	\$685,958	\$983,524	\$955,086



Table A-2: Projected Expenses, by Line Item

	Budgeted			Projected						
	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Administration										
40-10-5000 Salaries (Existing Plant)	\$256,941	\$264,649	\$272,588	\$280,766	\$289,189	\$297,865	\$306,801	\$316,005	\$325,485	\$335,250
Salaries and Benefits (MBR Plant)					\$198,000	\$198,000	\$297,000	\$297,000	\$297,000	\$297,000
40-10-5002 Overtime	\$4,000	\$4,120	\$4,244	\$4,371	\$4,502	\$4,637	\$4,776	\$4,919	\$5,067	\$5,219
40-10-5003 Holiday Pay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5004 Taxes, Social Security	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5005 Retirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5006 Longevity	\$120	\$124	\$128	\$132	\$136	\$140	\$144	\$148	\$152	\$157
40-10-5007 Part Time Wages	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5010 Taxes, Social Security	\$20,017	\$20,618	\$21,237	\$21,874	\$22,530	\$23,206	\$23,902	\$24,619	\$25,358	\$26,119
40-10-5012 TWC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5030 Health & Life Insurance	\$46,214	\$47,600	\$49,028	\$50,499	\$52,014	\$53,574	\$55,181	\$56,836	\$58,541	\$60,297
40-10-5031 Vision	\$541	\$557	\$574	\$591	\$609	\$627	\$646	\$665	\$685	\$706
40-10-5032 Life & LTD	\$1,129	\$1,163	\$1,198	\$1,234	\$1,271	\$1,309	\$1,348	\$1,388	\$1,430	\$1,473
40-10-5033 Dental	\$2,260	\$2,328	\$2,398	\$2,470	\$2,544	\$2,620	\$2,699	\$2,780	\$2,863	\$2,949
40-10-5034 Retirement	\$26,873	\$27,679	\$28,509	\$29,364	\$30,245	\$31,152	\$32,087	\$33,050	\$34,042	\$35,063
40-10-5035 Cell Phone Allowance	\$600	\$618	\$637	\$656	\$676	\$696	\$717	\$739	\$761	\$784
40-10-5038 Flex	\$241	\$248	\$255	\$263	\$271	\$279	\$287	\$296	\$305	\$314
40-10-5039 Flex Card - Health Ins	\$2,000	\$2,060	\$2,122	\$2,186	\$2,252	\$2,320	\$2,390	\$2,462	\$2,536	\$2,612
40-10-5040 Workers Compensation	\$5,694	\$5,865	\$6,041	\$6,222	\$6,409	\$6,601	\$6,799	\$7,003	\$7,213	\$7,429
40-10-5041 Pension Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5201 Contract Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5202 Mowing & Weed Control	\$1,500	\$1,545	\$1,591	\$1,639	\$1,688	\$1,739	\$1,791	\$1,845	\$1,900	\$1,957
40-10-5220 Janitorial Supplies & Cleaning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5222 Postage	\$2,000	\$2,060	\$2,122	\$2,186	\$2,252	\$2,320	\$2,390	\$2,462	\$2,536	\$2,612
40-10-5225 Fuel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Water and Wastewater Rate Study
City of Manvel, TX



	Budgeted			Projected						
	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
40-10-5230 Office Expense	\$1,000	\$1,030	\$1,061	\$1,093	\$1,126	\$1,160	\$1,195	\$1,231	\$1,268	\$1,306
40-10-5240 Minor Tools & Equipment	\$10,000	\$10,300	\$10,609	\$10,927	\$11,255	\$11,593	\$11,941	\$12,299	\$12,668	\$13,048
40-10-5300 Equipment Rental	\$5,000	\$5,150	\$5,305	\$5,464	\$5,628	\$5,797	\$5,971	\$6,150	\$6,335	\$6,525
40-10-5320 Bank/Convenience Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5370 Radio Repairs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5380 Building Repair & Maintenance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5418 Employment Testing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5432 Rental Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5440 Computer Maintenance/Support	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5441 Computer Software	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5445 Telephone	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5446 Uniforms	\$450	\$464	\$478	\$492	\$507	\$522	\$538	\$554	\$571	\$588
40-10-5458 Maintenance Agreements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5550 Radio Usage	\$2,000	\$2,060	\$2,122	\$2,186	\$2,252	\$2,320	\$2,390	\$2,462	\$2,536	\$2,612
40-10-5615 Credit Card Processing Fees	\$12,000	\$12,360	\$12,731	\$13,113	\$13,506	\$13,911	\$14,328	\$14,758	\$15,201	\$15,657
40-10-5622 Dues & Subscriptions	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5630 Insurance and Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5636 Equipment Repairs/Maintenance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5638 Vehicle Repairs/Maintenance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5645 Training & Travel	\$2,000	\$2,060	\$2,122	\$2,186	\$2,252	\$2,320	\$2,390	\$2,462	\$2,536	\$2,612
40-10-5650 Mileage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5655 Other Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5700 Vehicle/Equip Replacement Fees	\$60,000	\$61,800	\$63,654	\$65,564	\$67,531	\$69,557	\$71,644	\$73,793	\$76,007	\$78,287
40-10-5701 Legal Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5742 Subsistence Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-10-5800 Eng/Consulting/Planning Fees	\$5,000	\$5,150	\$5,305	\$5,464	\$5,628	\$5,797	\$5,971	\$6,150	\$6,335	\$6,525
40-10-8641 Transfer from	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Water and Wastewater Rate Study
City of Manvel, TX



	Budgeted			Projected						
	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
40-10-8700 Salary Adjustments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administration Subtotal	\$467,580	\$481,608	\$496,059	\$510,942	\$724,273	\$740,062	\$855,326	\$872,076	\$889,331	\$907,101
Water										
40-54-5204 Chemicals	\$18,000	\$21,696	\$26,151	\$31,521	\$37,994	\$45,796	\$55,200	\$66,535	\$80,198	\$96,667
40-54-5210 Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-5212 Safety Equipment/Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-5222 Postage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-5225 Fuel	\$1,000	\$1,030	\$1,061	\$1,093	\$1,126	\$1,160	\$1,195	\$1,231	\$1,268	\$1,306
40-54-5240 Minor Tools & Equipment	\$3,000	\$3,090	\$3,183	\$3,278	\$3,376	\$3,477	\$3,581	\$3,688	\$3,799	\$3,913
40-54-5245 Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-5310 Meter Replacement Program	\$100,000	\$115,000	\$132,250	\$152,088	\$174,901	\$201,136	\$231,306	\$266,002	\$305,902	\$351,787
40-54-5312 Other Reimbursements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-5325 Utility Billing Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-5420 Electricity	\$25,000	\$25,750	\$26,523	\$27,319	\$28,139	\$28,983	\$29,852	\$30,748	\$31,670	\$32,620
40-54-5421 Electrical Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-5435 Safety & Water Testing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-5440 Computer Maintenance/Support	\$5,000	\$5,305	\$5,628	\$5,971	\$6,335	\$6,721	\$7,130	\$7,564	\$8,025	\$8,514
40-54-5441 Computer Software	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-5445 Telephone	\$15,000	\$15,450	\$15,914	\$16,391	\$16,883	\$17,389	\$17,911	\$18,448	\$19,001	\$19,571
40-54-5446 Uniforms	\$1,500	\$1,545	\$1,591	\$1,639	\$1,688	\$1,739	\$1,791	\$1,845	\$1,900	\$1,957
40-54-5498 Tap Connection Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-5499 Laboratory Expenses	\$13,000	\$15,134	\$17,619	\$20,512	\$23,879	\$27,799	\$32,363	\$37,676	\$43,861	\$51,062
40-54-5622 Dues & Subscriptions	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-5630 Insurance and Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-5636 Equipment Repairs/Maintenance	\$160,000	\$164,800	\$169,744	\$174,836	\$180,081	\$185,483	\$191,047	\$196,778	\$202,681	\$208,761
40-54-5638 Vehicle Repairs/Maintenance	\$6,000	\$6,180	\$6,365	\$6,556	\$6,753	\$6,956	\$7,165	\$7,380	\$7,601	\$7,829
40-54-5645 Training & Travel	\$2,000	\$2,060	\$2,122	\$2,186	\$2,252	\$2,320	\$2,390	\$2,462	\$2,536	\$2,612

Water and Wastewater Rate Study
City of Manvel, TX



	Budgeted			Projected						
	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
40-54-5655 Other Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-5700 Vehicle/Equip Replacement Fees	\$9,000	\$9,270	\$9,548	\$9,834	\$10,129	\$10,433	\$10,746	\$11,068	\$11,400	\$11,742
40-54-5729 Permits & Assessments	\$4,500	\$4,875	\$5,281	\$5,721	\$6,198	\$6,715	\$7,275	\$7,882	\$8,539	\$9,251
40-54-5730 Legal Notices	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-5742 Subsidence Fees	\$2,000	\$2,284	\$2,609	\$2,980	\$3,403	\$3,886	\$4,438	\$5,069	\$5,789	\$6,611
40-54-5746 Water Sample Inspection	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-5800 Eng/Consulting/Planning Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-6010 Capital Outlay - Technology	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-6020 Capital Outlay - Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-6030 Capital Outlay - Vehicle	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-6040 Capital Outlay - Furniture & Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-6070 Capital Outlay - Improvements	\$0	\$182,150	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-6203 Capital Outlay - Capitalize Taps	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-7025 WWTP to - Blowers/auto Dialer	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-8410 Depreciation Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-54-8700 Salary Adjustments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water Subtotal	\$365,000	\$575,619	\$425,589	\$461,925	\$503,137	\$549,993	\$603,390	\$664,376	\$734,170	\$814,203
Wastewater										
40-56-5203 Sludge Hauling	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-56-5204 Chemicals (Existing Plant)	\$12,500	\$15,071	\$18,171	\$21,909	\$26,416	\$31,850	\$38,402			
40-56-5204 Chemicals (MBR Plant)					\$29,034	\$36,034	\$36,034	\$53,068	\$55,068	\$57,068
40-56-5210 Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-56-5212 Safety Equipment/Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-56-5225 Fuel	\$4,000	\$4,120	\$4,244	\$4,371	\$4,502	\$4,637	\$4,776	\$4,919	\$5,067	\$5,219
40-56-5240 Minor Tools & Equipment	\$7,500	\$7,725	\$7,957	\$8,196	\$8,442	\$8,695	\$8,956	\$9,225	\$9,502	\$9,787
40-56-5312 Other Reimbursements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-56-5325 Utility Billing Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Water and Wastewater Rate Study
City of Manvel, TX



	Budgeted			Projected						
	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
40-56-5419 Sludge Hauling (Existing Plant)	\$50,000	\$57,500	\$66,125	\$76,044	\$87,451	\$100,569	\$115,654			
40-56-5419 Sludge Hauling (MBR Plant)					\$71,106	\$88,882	\$88,882	\$128,848	\$136,845	\$143,954
40-56-5420 Electricity (Existing Plant)	\$35,000	\$40,250	\$46,288	\$53,231	\$61,216	\$70,398	\$80,958			
40-56-5420 Electricity (MBR Plant)					\$166,280	\$191,700	\$191,700	\$236,170	\$246,484	\$255,652
40-56-5421 Electrical Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-56-5432 Rental Equipment	\$15,000	\$15,450	\$15,914	\$16,391	\$16,883	\$17,389	\$17,911	\$18,448	\$19,001	\$19,571
40-56-5445 Telephone	\$1,000	\$1,030	\$1,061	\$1,093	\$1,126	\$1,160	\$1,195	\$1,231	\$1,268	\$1,306
40-56-5446 Uniforms	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-56-5480 Contract Labor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-56-5499 Laboratory Expenses	\$20,000	\$23,000	\$26,450	\$30,418	\$34,981	\$40,228	\$46,262	\$53,201	\$61,181	\$70,358
40-56-5500 Operator Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-56-5630 Insurance and Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-56-5636 Equipment Repairs/Maintenance (Existing Plant)	\$125,000	\$128,750	\$132,613	\$136,591	\$140,689	\$144,910	\$149,257			
40-56-5636 Equipment Repairs/Maintenance (MBR Plant)					\$164,125	\$164,125	\$164,125	\$268,519	\$268,519	\$268,519
40-56-5637 Sewer Line Maintenance & Repairs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-56-5645 Training & Travel	\$2,000	\$2,060	\$2,122	\$2,186	\$2,252	\$2,320	\$2,390	\$2,462	\$2,536	\$2,612
40-56-6010 Capital Outlay - Technology	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-56-6020 Capital Outlay - Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-56-6030 Capital Outlay - Vehicle	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-56-6040 Capital Outlay - Furniture & Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-56-6070 Capital Outlay - Improvements	\$0	\$1,933,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-56-6080 Capital Outlay - Building	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Wastewater Subtotal	\$272,000	\$2,227,956	\$320,945	\$350,430	\$814,503	\$902,897	\$946,502	\$776,091	\$805,471	\$834,046
Non-Departmental										
40-95-8510 Transfer to General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-95-8590 Transfer Out - Debt Service Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



	Budgeted			Projected						
	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
40-95-8591 Transfer Out - Veh/Equip Replace Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Departmental Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL OPERATING EXPENSES	\$1,104,580	\$3,285,183	\$1,242,593	\$1,323,297	\$2,041,913	\$2,192,952	\$2,405,218	\$2,312,543	\$2,428,972	\$2,555,350
Future Debt Service										
FY2022 Series \$0.0M (Rate Portion)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FY2023 Series \$32.2M (Rate Portion)	\$0	\$0	\$1,003,686	\$1,003,686	\$1,003,686	\$1,003,686	\$1,003,686	\$1,003,686	\$1,003,686	\$1,003,686
FY2024 Series \$11.7M (Rate Portion)	\$0	\$0	\$0	\$448,652	\$448,652	\$448,652	\$448,652	\$448,652	\$448,652	\$448,652
FY2025 Series \$8.1M (Rate Portion)	\$0	\$0	\$0	\$0	\$337,802	\$337,802	\$337,802	\$337,802	\$337,802	\$337,802
FY2026 Series \$6.0M (Rate Portion)	\$0	\$0	\$0	\$0	\$0	\$239,031	\$239,031	\$239,031	\$239,031	\$239,031
FY2027 Series \$16.8M (Rate Portion)	\$0	\$0	\$0	\$0	\$0	\$0	\$700,508	\$700,508	\$700,508	\$700,508
FY2028 Series \$0.1M (Rate Portion)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,332	\$4,332	\$4,332
FY2029 Series \$2.7M (Rate Portion)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$121,252	\$121,252
FY2030 Series \$13.9M (Rate Portion)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$645,037
Future Debt Service Subtotal	\$0	\$0	\$1,003,686	\$1,452,338	\$1,790,140	\$2,029,171	\$2,729,679	\$2,734,011	\$2,855,263	\$3,500,300
TOTAL EXPENSES	\$1,104,580	\$3,285,183	\$2,246,279	\$2,775,635	\$3,832,053	\$4,222,123	\$5,134,897	\$5,046,554	\$5,284,235	\$6,055,650

Table A-3: Rate Portion of Future Debt Issuances (2021 Dollars)

	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030
Water	\$0	\$6,665,394	\$8,294,028	\$3,878,550	\$2,843,352	\$0	\$106,182	\$2,744,004	\$13,921,980
Wastewater	\$0	\$26,262,042	\$3,679,344	\$4,433,124	\$3,257,472	\$17,162,826	\$0	\$0	\$283,254
TOTAL	\$0	\$32,917,436	\$11,973,372	\$8,311,674	\$6,100,824	\$17,162,826	\$106,182	\$2,744,004	\$14,205,234

Water and Wastewater Rate Study
City of Manvel, TX



Table A-4: Pro Forma Statement for Combined Utility

Combined Utility												
Line	Description	Fiscal Year Ending September 30										
		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
1	Beginning Operating Cash Balance	\$ -	\$ -	\$ 0	\$ 104,415	\$ 417,103	\$ 271,402	\$ 374,074	\$ 150,062	\$ 431,682	\$ 906,989	
2	Retail Rate Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
3	Base Charges	\$ 1,259,801	\$ 1,406,124	\$ 1,620,561	\$ 1,835,143	\$ 2,109,284	\$ 2,266,238	\$ 2,375,740	\$ 2,484,008	\$ 2,593,939		
4	Volume Charges	\$ 378,005	\$ 421,574	\$ 485,603	\$ 549,712	\$ 631,722	\$ 677,407	\$ 710,133	\$ 742,576	\$ 775,538		
5	Total Retail Rate Revenue	\$ 1,637,806	\$ 1,827,698	\$ 2,106,164	\$ 2,384,855	\$ 2,741,006	\$ 2,943,645	\$ 3,085,873	\$ 3,226,584	\$ 3,369,477		
6	Base Charge Revenue Increase Needed		0.0%	13.4%	14.9%	6.3%	2.7%	8.1%	4.6%	4.6%	9.2%	
7	Volumetric Charge Revenue Increase Needed		0.0%	30.0%	28.5%	13.5%	5.0%	12.5%	10.0%	10.0%	25.0%	
8	Overall Increase Needed		0.0%	17.3%	18.1%	8.0%	3.2%	9.1%	5.9%	5.9%	12.9%	
9	Additional Retail Rate Revenue											
10	Year 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
11	Year 2	\$ -	\$ 315,592	\$ 363,796	\$ 412,024	\$ 473,722	\$ 508,472	\$ 532,885	\$ 557,018	\$ 581,501		
12	Year 3	\$ -	\$ -	\$ 380,218	\$ 430,559	\$ 494,926	\$ 531,333	\$ 556,936	\$ 582,263	\$ 607,972		
13	Year 4	\$ -	\$ -	\$ -	\$ 189,989	\$ 218,414	\$ 234,455	\$ 245,733	\$ 256,886	\$ 268,205		
14	Year 5	\$ -	\$ -	\$ -	\$ -	\$ 88,427	\$ 94,920	\$ 99,476	\$ 103,978	\$ 108,545		
15	Year 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 267,826	\$ 280,674	\$ 293,369	\$ 306,246		
16	Year 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180,649	\$ 188,960	\$ 197,412		
17	Year 8	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 188,960	\$ 197,412		
18	Year 9	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 433,600		
19	Total Additional Retail Rate Revenue	\$ -	\$ 315,592	\$ 744,014	\$ 1,032,572	\$ 1,275,489	\$ 1,637,006	\$ 1,896,353	\$ 2,171,435	\$ 2,700,894		
20	Other Operating Revenue	\$ 181,485	\$ 202,404	\$ 233,145	\$ 263,926	\$ 303,300	\$ 325,234	\$ 340,947	\$ 356,523	\$ 372,348		
21	Non-Operating Revenue	\$ 1,465,892	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000		
22	Impact Fees (50% Max Allowable)	\$ 1,665,913	\$ 2,732,097	\$ 4,007,710	\$ 4,007,710	\$ 4,864,465	\$ 4,864,465	\$ 2,484,590	\$ 2,475,070	\$ 2,484,590		
23	TOTAL REVENUE	\$ 4,951,096	\$ 5,082,790	\$ 7,096,032	\$ 7,694,062	\$ 9,189,259	\$ 9,775,350	\$ 7,812,763	\$ 8,234,612	\$ 8,932,309		
24	O&M Expenses											
25	Administrative	\$ 481,608	\$ 496,059	\$ 510,942	\$ 724,273	\$ 740,062	\$ 855,326	\$ 872,076	\$ 889,331	\$ 907,101		
26	Operational	\$ 2,803,575	\$ 746,534	\$ 812,355	\$ 1,317,640	\$ 1,452,890	\$ 1,549,892	\$ 1,440,467	\$ 1,539,641	\$ 1,648,249		
27	Non-Departmental	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
28	Total O&M Expenses	\$ 3,285,183	\$ 1,242,593	\$ 1,323,297	\$ 2,041,913	\$ 2,192,952	\$ 2,405,218	\$ 2,312,543	\$ 2,428,972	\$ 2,555,350		
29	Net Revenue	\$ 1,665,913	\$ 3,840,197	\$ 5,772,735	\$ 5,652,149	\$ 6,996,307	\$ 7,370,132	\$ 5,500,220	\$ 5,805,640	\$ 6,376,959		
30	Debt Service (Existing)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
31	Debt Service (Future - Total Issuance)	\$ -	\$ 1,679,933	\$ 2,290,805	\$ 2,714,861	\$ 3,026,121	\$ 3,901,756	\$ 3,907,173	\$ 4,047,170	\$ 4,771,910		
32	Debt Service (Future - Rate Portion of Total Issuance)	\$ -	\$ 1,003,686	\$ 1,452,338	\$ 1,790,140	\$ 2,029,171	\$ 2,729,679	\$ 2,734,011	\$ 2,855,263	\$ 3,500,300		
33	Total Debt Service - Rate Portion	\$ -	\$ 1,003,686	\$ 1,452,338	\$ 1,790,140	\$ 2,029,171	\$ 2,729,679	\$ 2,734,011	\$ 2,855,263	\$ 3,500,300		
34	Debt Service Coverage											
35	Required		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
36	Achieved	✗	0.00	2.29	2.52	2.08	2.31	1.89	1.41	1.43	1.34	
37	Annual Cash Surplus (Deficiency)	\$ 1,665,913	\$ 2,160,264	\$ 3,481,930	\$ 2,937,288	\$ 3,970,186	\$ 3,468,376	\$ 1,593,047	\$ 1,758,470	\$ 1,605,049		
38	Annual Cash Surplus (Deficiency) Exclusive of Impact Fee Revenue & Expenses	\$ 0	\$ 104,415	\$ 312,687	\$ (145,700)	\$ 102,671	\$ (224,012)	\$ 281,620	\$ 475,307	\$ 392,069		
39	Fund Balance to Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
40	Ending Operating Cash Balance	\$ 0	\$ 104,415	\$ 417,103	\$ 271,402	\$ 374,074	\$ 150,062	\$ 431,682	\$ 906,989	\$ 1,299,058		

Water and Wastewater Rate Study
City of Manvel, TX



Table A-5: Pro Forma Statement for Wastewater Utility

Wastewater Utility											
Line	Description	Fiscal Year Ending September 30									
		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	Beginning Operating Cash Balance	\$ -	\$ -	\$ (108,364)	\$ (101,518)	\$ 210,259	\$ 162,630	\$ 310,417	\$ 114,885	\$ 227,698	\$ 447,064
2	Retail Rate Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	Base Charges	\$ 677,580	\$ 756,480	\$ 872,460	\$ 988,440	\$ 1,136,820	\$ 1,221,000	\$ 1,279,380	\$ 1,336,980	\$ 1,395,360	\$ 1,395,360
4	Volume Charges	\$ 189,003	\$ 210,787	\$ 242,801	\$ 274,856	\$ 315,861	\$ 338,704	\$ 355,067	\$ 371,288	\$ 387,769	\$ 387,769
5	Total Retail Rate Revenue	\$ 866,583	\$ 967,267	\$ 1,115,261	\$ 1,263,296	\$ 1,452,681	\$ 1,559,704	\$ 1,634,447	\$ 1,708,268	\$ 1,783,129	\$ 1,783,129
6	Base Charge Revenue Increase Needed		0.0%	25.0%	20.0%	10.0%	5.0%	15.0%	0.0%	0.0%	0.0%
7	Volumetric Charge Revenue Increase Needed		0.0%	60.0%	40.0%	20.0%	10.0%	25.0%	0.0%	0.0%	0.0%
8	Overall Increase Needed		0.0%	32.6%	24.4%	12.2%	6.1%	17.2%	0.0%	0.0%	0.0%
9	Additional Retail Rate Revenue										
10	Year 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11	Year 2	\$ -	\$ 315,592	\$ 363,796	\$ 412,024	\$ 473,722	\$ 508,472	\$ 532,885	\$ 557,018	\$ 581,501	\$ 581,501
12	Year 3	\$ -	\$ -	\$ 271,613	\$ 307,630	\$ 353,708	\$ 379,681	\$ 397,903	\$ 415,911	\$ 434,180	\$ 434,180
13	Year 4	\$ -	\$ -	\$ -	\$ 153,815	\$ 176,854	\$ 189,841	\$ 198,951	\$ 207,956	\$ 217,090	\$ 217,090
14	Year 5	\$ -	\$ -	\$ -	\$ -	\$ 88,427	\$ 94,920	\$ 99,476	\$ 103,978	\$ 108,545	\$ 108,545
15	Year 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 267,826	\$ 280,674	\$ 293,369	\$ 306,246	\$ 306,246
16	Year 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17	Year 8	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18	Year 9	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19	Total Additional Retail Rate Revenue	\$ -	\$ 315,592	\$ 635,408	\$ 873,469	\$ 1,092,711	\$ 1,440,741	\$ 1,509,888	\$ 1,578,232	\$ 1,647,562	\$ 1,647,562
20	Other Operating Revenue	\$ 27,921	\$ 31,140	\$ 35,869	\$ 40,605	\$ 46,663	\$ 50,037	\$ 52,455	\$ 54,851	\$ 57,285	\$ 57,285
21	Non-Operating Revenue	\$ 1,465,892	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500
22	Impact Fees (50% Max Allowable)	\$ 1,244,338	\$ 2,040,714	\$ 2,993,521	\$ 2,993,521	\$ 3,633,466	\$ 3,633,466	\$ 1,855,841	\$ 1,848,730	\$ 1,855,841	\$ 1,855,841
23	TOTAL REVENUE	\$ 3,604,733	\$ 3,357,212	\$ 4,782,559	\$ 5,173,390	\$ 6,228,020	\$ 6,686,447	\$ 5,055,130	\$ 5,192,580	\$ 5,346,317	\$ 5,346,317
24	O&M Expenses										
25	Administrative	\$ 240,804	\$ 248,030	\$ 255,471	\$ 362,137	\$ 370,031	\$ 427,663	\$ 436,038	\$ 444,666	\$ 453,551	\$ 453,551
26	Operational	\$ 2,227,956	\$ 320,945	\$ 350,430	\$ 814,503	\$ 902,897	\$ 946,502	\$ 776,091	\$ 805,471	\$ 834,046	\$ 834,046
27	Non-Departmental	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28	Total O&M Expenses	\$ 2,468,760	\$ 568,975	\$ 605,901	\$ 1,176,639	\$ 1,272,928	\$ 1,374,165	\$ 1,212,129	\$ 1,250,136	\$ 1,287,596	\$ 1,287,596
29	Net Revenue	\$ 1,135,973	\$ 2,788,238	\$ 4,176,658	\$ 3,996,751	\$ 4,955,092	\$ 5,312,282	\$ 3,843,001	\$ 3,942,444	\$ 4,058,720	\$ 4,058,720
30	Debt Service (Existing)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31	Debt Service (Future - Total Issuance)	\$ -	\$ 1,339,870	\$ 1,527,587	\$ 1,753,762	\$ 1,919,956	\$ 2,795,591	\$ 2,795,591	\$ 2,795,591	\$ 2,810,042	\$ 2,810,042
32	Debt Service (Future - Rate Portion of Total Issuance)	\$ -	\$ 740,678	\$ 871,360	\$ 1,050,860	\$ 1,173,840	\$ 1,874,348	\$ 1,874,348	\$ 1,874,348	\$ 1,886,994	\$ 1,886,994
33	Total Debt Service - Rate Portion	\$ -	\$ 740,678	\$ 871,360	\$ 1,050,860	\$ 1,173,840	\$ 1,874,348	\$ 1,874,348	\$ 1,874,348	\$ 1,886,994	\$ 1,886,994
34	Debt Service Coverage										
35	Required		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
36	Achieved	✗	0.00	2.08	2.73	2.28	2.58	1.90	1.37	1.41	1.44
37	Annual Cash Surplus (Deficiency)	\$ 1,135,973	\$ 1,448,368	\$ 2,649,071	\$ 2,242,989	\$ 3,035,136	\$ 2,516,691	\$ 1,047,410	\$ 1,146,853	\$ 1,248,678	\$ 1,248,678
38	Annual Cash Surplus (Deficiency) Exclusive of Impact Fee Revenue & Expenses	\$ (108,364)	\$ 6,846	\$ 311,778	\$ (47,629)	\$ 147,786	\$ (195,532)	\$ 112,813	\$ 219,366	\$ 315,886	\$ 315,886
39	Fund Balance to Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40	Ending Operating Cash Balance	\$ (108,364)	\$ (101,518)	\$ 210,259	\$ 162,630	\$ 310,417	\$ 114,885	\$ 227,698	\$ 447,064	\$ 762,949	\$ 762,949

Water and Wastewater Rate Study
City of Manvel, TX



Table A-6: Pro Forma Statement for Water Utility

Water Utility											
Line	Description	Fiscal Year Ending September 30									
		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	Beginning Operating Cash Balance	\$ -	\$ -	\$ 108,365	\$ 205,933	\$ 206,843	\$ 108,772	\$ 63,657	\$ 35,177	\$ 203,984	\$ 459,925
2	Retail Rate Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	Base Charges	\$ 582,221	\$ 649,644	\$ 748,101	\$ 846,703	\$ 972,464	\$ 1,045,238	\$ 1,096,360	\$ 1,147,028	\$ 1,198,579	\$ 1,198,579
4	Volume Charges	\$ 189,003	\$ 210,787	\$ 242,801	\$ 274,856	\$ 315,861	\$ 338,704	\$ 355,067	\$ 371,288	\$ 387,769	\$ 387,769
5	Total Retail Rate Revenue	\$ 771,224	\$ 860,431	\$ 990,902	\$ 1,121,559	\$ 1,288,325	\$ 1,383,942	\$ 1,451,427	\$ 1,518,316	\$ 1,586,348	\$ 1,586,348
6	Base Charge Revenue Increase Needed		0.0%	0.0%	9.0%	2.0%	0.0%	0.0%	10.0%	10.0%	20.0%
7	Volumetric Charge Revenue Increase Needed		0.0%	0.0%	17.0%	7.0%	0.0%	0.0%	20.0%	20.0%	50.0%
8	Overall Increase Needed		0.0%	0.0%	11.0%	3.2%	0.0%	0.0%	12.4%	12.4%	27.3%
9	Additional Retail Rate Revenue										
10	Year 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11	Year 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12	Year 3	\$ -	\$ -	\$ 108,605	\$ 122,929	\$ 141,218	\$ 151,651	\$ 159,034	\$ 166,351	\$ 173,793	\$ 173,793
13	Year 4	\$ -	\$ -	\$ -	\$ 36,174	\$ 41,560	\$ 44,614	\$ 46,782	\$ 48,931	\$ 51,115	\$ 51,115
14	Year 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	Year 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16	Year 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180,649	\$ 188,960	\$ 197,412	\$ 197,412
17	Year 8	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 188,960	\$ 197,412	\$ 197,412
18	Year 9	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 433,600	\$ 433,600
19	Total Additional Retail Rate Revenue	\$ -	\$ -	\$ 108,605	\$ 159,103	\$ 182,778	\$ 196,265	\$ 386,465	\$ 593,203	\$ 1,053,332	\$ 1,053,332
20	Other Operating Revenue	\$ 153,564	\$ 171,265	\$ 197,276	\$ 223,321	\$ 256,638	\$ 275,197	\$ 288,493	\$ 301,673	\$ 315,063	\$ 315,063
21	Non-Operating Revenue	\$ -	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500
22	Impact Fees (50% Max Allowable)	\$ 421,575	\$ 691,383	\$ 1,014,189	\$ 1,014,189	\$ 1,230,999	\$ 1,230,999	\$ 628,749	\$ 626,340	\$ 628,749	\$ 628,749
23	TOTAL REVENUE	\$ 1,346,363	\$ 1,725,578	\$ 2,313,473	\$ 2,520,672	\$ 2,961,239	\$ 3,088,903	\$ 2,757,633	\$ 3,042,032	\$ 3,585,992	\$ 3,585,992
24	O&M Expenses										
25	Administrative	\$ 240,804	\$ 248,030	\$ 255,471	\$ 362,137	\$ 370,031	\$ 427,663	\$ 436,038	\$ 444,666	\$ 453,551	\$ 453,551
26	Operational	\$ 575,619	\$ 425,589	\$ 461,925	\$ 503,137	\$ 549,993	\$ 603,390	\$ 664,376	\$ 734,170	\$ 814,203	\$ 814,203
27	Non-Departmental	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28	Total O&M Expenses	\$ 816,423	\$ 673,619	\$ 717,396	\$ 865,274	\$ 920,024	\$ 1,031,053	\$ 1,100,414	\$ 1,178,836	\$ 1,267,754	\$ 1,267,754
29	Net Revenue	\$ 529,940	\$ 1,051,960	\$ 1,596,077	\$ 1,655,398	\$ 2,041,215	\$ 2,057,850	\$ 1,657,219	\$ 1,863,196	\$ 2,318,239	\$ 2,318,239
30	Debt Service (Existing)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31	Debt Service (Future - Total Issuance)	\$ -	\$ 340,063	\$ 763,218	\$ 961,099	\$ 1,106,165	\$ 1,106,165	\$ 1,111,582	\$ 1,251,579	\$ 1,961,868	\$ 1,961,868
32	Debt Service (Future - Rate Portion of Total Issuance)	\$ -	\$ 263,008	\$ 580,978	\$ 739,280	\$ 855,331	\$ 855,331	\$ 859,663	\$ 980,915	\$ 1,613,306	\$ 1,613,306
33	Total Debt Service - Rate Portion	\$ -	\$ 263,008	\$ 580,978	\$ 739,280	\$ 855,331	\$ 855,331	\$ 859,663	\$ 980,915	\$ 1,613,306	\$ 1,613,306
34	Debt Service Coverage										
35	Required		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
36	Achieved	✗	0.00	3.09	2.09	1.72	1.85	1.86	1.49	1.49	1.18
37	Annual Cash Surplus (Deficiency)	\$ 529,940	\$ 711,897	\$ 832,859	\$ 694,299	\$ 935,050	\$ 951,685	\$ 545,637	\$ 611,617	\$ 356,371	\$ 356,371
38	Annual Cash Surplus (Deficiency) Exclusive of Impact Fee Revenue & Expenses	\$ 108,365	\$ 97,569	\$ 910	\$ (98,071)	\$ (45,115)	\$ (28,480)	\$ 168,807	\$ 255,941	\$ 76,184	\$ 76,184
39	Fund Balance to Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40	Ending Operating Cash Balance	\$ 108,365	\$ 205,933	\$ 206,843	\$ 108,772	\$ 63,657	\$ 35,177	\$ 203,984	\$ 459,925	\$ 536,109	\$ 536,109



MANVEL CITY COUNCIL DATA SHEET

MEETING DATE: August 1, 2022

TOPIC: Consideration and possible action to approve the City's "Fee Schedule", changing the Development Permit and adding Exhibit C "Utility Fees".

BACKGROUND: City staff are proposing one change to the City's Fee Schedule to update the Development Permit fee for properties located outside the floodplain and add an Exhibit C "Utility Fees" as approved on first reading of Ordinance No. 2022-O-21 and scheduled for second and final reading on the August 1, 2022, agenda.

1) Development Permit Fee (Fill Dirt Permit) – in the most recent adoption of Resolution 2022-R-08 of the Fee Schedule the Development Permit Fee for properties located outside the floodplain was not proposed for change due error. City staff is proposing a \$100.00 fee. The current fee is \$15.00.

2) Exhibit C, Utility Fees – these are fees proposed and approved on first reading by City Council at their July 18, 2022, meeting by Ordinance No. 2022-O-21. The second and final reading of this Ordinance is scheduled for August 1, 2022. The utility fees have never been included in the City's Fee Schedule, but as with other permit fees City staff would like to maintain consistency with fees and adopt this as Exhibit C.

RECOMMENDATION: Staff recommends approval of the proposed in the Fee Schedule and Exhibit C.

ATTACHMENTS: 1) City of Manvel Fee Schedule (dated August 1, 2022) Redline, 2) City of Manvel Fee Schedule (dated August 1, 2022) Draft, 3) Exhibit C "Utility Fees".

FUNDING ISSUES

- ☒ Not applicable
☐ Not budgeted
☐ Full amount already budgeted
☐ Funds to be transferred from Acct.#

SUBMITTING STAFF MEMBER
Jessica Rodriguez

FINANCE DIRECTOR APPROVAL _____

CITY MANAGER APPROVAL _____

CITY OF MANVEL FEE SCHEDULE AUGUST 1, 2022

ZONING

OCCUPANCY PERMITS, NON-RESIDENTIAL	
CHANGE OF USE / TENANCY	\$150.00
REGISTRATION FOR NEWLY ANNEXED BUSINESSES	\$0
TEMPORARY BUSINESS PERMITS	\$50.00
INTERPRETATION FROM ZONING OFFICIAL	\$50.00
RE-ZONING APPLICATION	\$1,800.00
SPECIFIC USE PERMIT FEE	\$1,500.00
APPEAL TO THE ZONING BOARD OF ADJUSTMENTS	\$750.00
PLANNED UNIT DEVELOPMENT (PUD)	
PUBLIC NOTICE FEE	\$150.00
SMALL PUD	\$4,000.00
MEDIUM PUD	\$4,000.00 plus \$40.00/acre
LARGE PUD (LESS THAN 1,000 ACRES OR GREATER)	\$10,000.00 plus \$30.00/acre
LARGE PUD (GREATER THAN 1,000 ACRES)	\$20,000.00 plus \$20.00/acre
PLANNED UNIT DEVELOPMENT (PUD) AMENDMENT	\$500.00

CITY PLANNING

PRELIMINARY PLAT	\$750.00	
		+ \$10/lot and \$15/acre or fraction in reserves
FINAL PLAT	\$750.00	
		+ \$25 / LOT and \$15/acre or fraction in reserves
MASTER PLAN		
50 ACRES TO 100 ACRES	\$1,000.00	
101 ACRES OR MORE	\$2,000.00	
REPLATTING CHARGES WHEN A PUBLIC HEARING IS HELD		
WITH NOTIFICATION		
Advertising Fee	\$75.00	
Per Mailing Notification Fee	\$1.00	
WITHOUT NOTIFICATION	\$75.00	
DEVELOPMENT PLAT	\$750.00	PLUS \$15/ACRE
MINOR PLAT OR AMENDING PLAT	\$500.00	
PLAT EXTENSION (6 MONTHS)	NO CHARGE	
RECORDING FEES WITH BRAZORIA COUNTY		
- ACTUAL COST OF RECORDING, PLUS	\$30.00	
PLAT RE-SUBMITTAL	\$200.00 each	
VARIANCE TO THE SUBDIVISION ORDINANCE	\$500.00	
VARIANCE TO THE DESIGN CRITERIA MANUAL	\$200.00	

ENGINEERING

PLAN REVIEW, STREETS, UTILITIES, PUBLIC SYSTEMS, ETC.	
\$500.00 base plus \$50.00 per document page larger than legal size sheets	
RESUBMITTALS FOR PLAN REVIEW, STREETS, UTILITIES, PUBLIC SYSTEMS	
(After second submittal) \$250.00 base plus \$10.00 per document page	
PLAN REVIEW FOR BINDERS (every ten (10) sheets equal 1 document page)	
\$500.00 base plus \$5.00 per legal size or smaller sheets	
CIVIL SITE IMPROVEMENTS, STREETS, UTILITIES, PUBLIC SYSTEMS, ETC.	
\$1,000.00 flat fee for projects up to and including \$100,000.00.	
Over \$100,000.00- \$1,000.00 plus \$8.00 for each thousand over \$100,000.00	
RE-CHECK FEE or VERIFICATION OF CORRECTIONS	\$250.00

ENVIRONMENTAL HEALTH

Onsite Septic System permits	
Residential	\$250.00
Commercial	\$410.00
On site evaluation	\$50.00
(This will be an inspection to make sure a septic system is working properly)	

BUILDING DEPARTMENT - ALL PERMITS EXPIRE AT 180 DAYS UNLESS NOTED OTHERWISE

CONSTRUCTION PERMITS RESIDENTIAL AND COMMERCIAL

Minimum permit fee	\$50.00
Commercial Construction Permit Application Fee (values greater than \$10,000)	\$50.00
\$15.00 for the first \$1,000.00 of construction value plus;	
\$5.00 per thousand, up to and including \$50,000.00	
\$260 for the first \$50,000.00 plus \$4 per additional thousand	
\$460 for the first \$100,000.00 plus \$3 per additional thousand	
\$1,660 for the first \$500,000.00 plus \$2 per additional thousand	
Residential Construction Permit Application Fee	\$0.40/sq. ft.
\$70.00 FOR DETACHED GARAGES OR NATIONALLY RECOGNIZED COST ESTIMATING BOOK	
PLAN REVIEW FEE ½ OF THE BUILDING PERMIT FEE	
RESIDENTIAL STREAMLINE PERMITS FEE FOR ELECTRICAL, PLUMBING AND HVAC; FEE WILL BE A MINIMUM OF 25 % OF THE BUILDING PERMIT FEE FOR EACH CATEGORY	
REVIEW FOR ELEVATION CERTIFICATES INCLUDED IN NEW CONSTRUCTION PERMIT (3 TOTAL (at start, at pre-pour and final)	PER CERTIFICATE \$50.00
REVIEW FOR ELEVATION CERTIFICATES NOT INCLUDED IN NEW CONSTRUCTION	PER CERTIFICATE \$65.00
MANUFACTURED AND MODULER HOMES	\$0.30/sq. ft.

IMPACT FEES: (2021-R-26)

Meter Size	Meter Type	Service Unit Equivalent	Impact Fees		
			Water	Wastewater	Total
3/4"	Displacement	1.0	\$2,441	\$7,107	\$9,548
1"	Displacement	1.6	\$3,906	\$11,371	\$15,277
1-1/2"	Turbine	4.0	\$9,766	\$28,428	\$38,194
2"	Turbine	6.4	\$15,625	\$45,484	\$61,109
3"	Displacement	12.8	\$31,251	\$90,969	\$122,220
4"	Displacement	20.0	\$48,830	\$142,140	\$190,970
6"	Displacement	40.0	\$97,660	\$284,280	\$381,940
8"	Displacement	64.0	\$156,256	\$454,848	\$611,104
10"	Displacement	92.0	\$224,618	\$653,844	\$878,462

****CARPORTS** (see below), POLE BARNs, SHEDs, ELEVATED DECKs 30" OR HIGHER, ETC...
(NON-LIVING AREAS OVER 200 SQ FEET – OUTSIDE THE FLOOD ZONE)
(CARPORTS – metal pre-fab structure, open on all four sides, 400 sq. feet or less over parking area, does NOT require a permit)**

MINIMUM \$50.00
Plus Plan Review (if required)

ADDITIONALLY, CARPORTS (DETACHED) OF AREA LESS THAN 600 SQUARE FEET ARE STILL REQUIRED TO BE PERMITTED, BUT ARE EXEMPT FROM THE PAYMENT OF THE PERMIT FEE, WITH THE FOLLOWING CONDITIONS: (SEE ORDINANCE 2016-O-05)

1) Less than 600 square feet in area; 2) Enclosed on no more than 2 sides; 3) Unfinished on the interior; 4) No utilities connected to the structure; 5) Can be used only for parking and limited storage and not used for habitation (no working, sleeping, living, cooking, or restroom areas); 6) Must be detached from residential structure; 7) Must be firmly anchored to prevent floatation, collapse, and lateral movement; 8) Must abide by the same setbacks as required by zoning on the property; 9) No elevation certificate is required; and 10) A site drawing (can be hand drawn) is required to show where the structure will be located.

FEE No Cost

ELECTRICAL AND PLUMBING PERMITS PULLED SEPARATELY, THE BASE FEE IS APPLIED, PLUS ANY ADDITIONAL COST ITEMS LISTED ON THE APPLICATION.

PLUMBING PERMITS	BASE FEE	REPAIRS	\$100.00
		RESIDENTIAL (New & Add-Ons)	\$150.00
		COMMERCIAL (New & Add-Ons)	\$200.00
ELECTRICAL PERMITS	BASE FEE	REPAIRS	\$100.00
		RESIDENTIAL (New & Add-Ons)	\$150.00
		COMMERCIAL (New & Add-Ons)	\$200.00
MECHANICAL PERMITS	BASE FEE	REPAIRS	\$100.00
		RESIDENTIAL (New & Add-Ons)	\$150.00
		COMMERCIAL (New & Add-Ons)	\$200.00
RENEWAL BUILDING PERMITS		RESIDENTIAL INDIVIDUAL PERMIT	\$150.00
		NEW HOME PERMIT (4 PERMITS IN ONE)	\$300.00
		COMMERCIAL PERMIT	\$300.00
RE-INSPECTION FEES FOR FAILED WITH PENALTY (PAYABLE IN ADVANCE)			
		RESIDENTIAL	\$50.00
		COMMERCIAL	\$100.00

PERMITS	Residential/ General Fee	Commercial	Notes
Culvert (Per Crossing)	\$100.00	\$100.00	
Demolition permits	\$50.00	\$50.00	
Display permits (per unit)	\$50.00		Annual renewal from date of issue. Inspections done on anchoring and location of display. Electrical permits pulled separately
Driveways	\$100.00	\$150.00	
Driveways (TXDOT)		\$500.00	Commercial properties fronting on a State maintained road
Development Permit (in Floodplain)	\$500.00		Property located in a floodplain or property not in a floodplain that has reached 20 loads with approved permit.
Development Permit (outside Floodplain)	\$1005.00		Property outside the floodplain up to 20 loads
Irrigation (Base)	\$140.00	\$200.00	
Pond permits	\$50.00	N/A	
Sign Permits	\$100.00		
Review fee	\$50.00		
Sign Permit – Misc.	\$-0-	N/A	Political and non-profit signs
Swimming Pool (Based on value of Pool)			Electrical and plumbing can be included in one permit, fee is based on a minimum of 25 % of the permit fee
Water Wells	\$50		

ANNUAL PERMITS

EXPIRE ON DEC. 31ST EACH YEAR

	<u>FEE</u>	<u>NOTES</u>
Ambulance Provider License	\$500.00	
EMS Vehicle (per Ambulance Charge)	\$100.00	
Beer and Wine		not to exceed ½ of TABC license fee
Burn (Residential)	\$15.00	
<u>Manufactured Home Community</u>		
Annual Fee	\$100.00	
Plus per space fee	\$5.00	
<u>Pet Registration** (Police Dept.)</u>		**The pet licenses expire one year from the <u>date of issue.</u>
If spayed or neutered	\$5.00	
without proof not spayed or neutered	\$10.00	
Pet impound fee (first day)	\$30.00	
Each additional day impound	\$5.00	

ROW (Ordinance 2011-O-22)

Use of public right-of-way or City property

Right-of way crossing

Right-of way, first year per rod

\$1,000.00 (per crossing per year)

Annual renewal, per rod

\$21.00

\$7.50

RV Park License

Annual fee

\$100.00

Plus per space fee

\$5.00

Solicitor Permit

30 day renewal, passport picture required

\$50.00

First Person

\$25.00

Additional Person

Storage Facility

\$250.00

Wrecker Permits - Per wrecker charge

\$100.00

Hotel Operation License*

\$100.00

*annual permit expires per adopted ordinance

Coin Operated Machine Tax

\$50.00

per Machine

Health Inspections/Permits

Mobile Food Unit

\$200.00

per Unit

Food Establishment – Small (< 1,000 sf.)

\$200.00

Bi-Annual Site Inspection

Food Establishment – Medium (1,001-10,000 sf.)

\$400.00

Bi-Annual Site Inspection

Food Establishment – Large (>10,000 sf.)

\$600.00

Bi-Annual Site Inspection

Non-Profit Organizations*

\$100.00

Bi-Annual Site Inspection

Day Care Center

\$150.00

Bi-Annual Site Inspection

Group Residence (institution)

\$150.00

Bi-Annual Site Inspection

Ownership Change Food Establishment

Small (full year July 1st to December 31st)

\$200.00

Site Inspection

Medium (full year July 1st to December 31st)

\$400.00

Site Inspection

Large (full year July 1st to December 31st)

\$600.00

Site Inspection

Small (6 months – January 1st to June 30th)

\$100.00

Site Inspection

Medium (6 months – January 1st to June 30th)

\$200.00

Site Inspection

Large (6 months – January 1st to June 30th)

\$300.00

Site Inspection

Non-Profit Organizations (full year July 1st to December 31st)

\$100.00

Site Inspection

Non-Profit Organizations (6 months – January 1st to June 30th)

\$50.00

Site Inspection

Day Care Center (full year July 1st to December 31st)

\$150.00

Site Inspection

Day Care Center (6 months – January 1st to June 30th)

\$75.00

Site Inspection

Group Residence (full year July 1st to December 31st)

\$150.00

Site Inspection

Group Residence (6 months – January 1st to June 30th)

\$75.00

Site Inspection

Temporary Food Establishment

\$50.00

Site Inspection

Re-Inspections

\$150.00

Re-Inspection

Owner Initiated Inspection

\$150.00

Re-Inspection

*supporting documentation required

FRANCHISE FEES (Pipeline Ordinance 2011-O-22)

Pipeline Registration Fee

\$100.00

Deposit

\$5,000.00

Franchise Administrative Application fee

\$500.00

City Inspection Fee

\$150.00 / HR

RENTAL REGISTRATION AND INSPECTIONS (Rental Ordinance 2013-O-06)

Annual Rental Permit Fee	\$50.00 per unit
Initial inspection, re-inspection	no charge
All subsequent re-inspections	\$250.00
Untimely registration fee from 10/1/2013	
Within 30 days after date set in section 17-426	\$300.00
after 30 th day before 60 th day set in section 17-426	\$375.00
after 60 th day set in section 17-426	\$450.00
Failure to register mandatory inspection fee	\$500.00
(includes initial inspection and one re-inspection)	
Additional Re-Inspections	\$250.00

SMALL CELL WIRELESS FACILITIES (Ordinance 2017-O-30) Application Fee

<u>Network Node</u>	<u>Fee</u>
Fee per application for up to 5 network nodes	\$500.00
Additional network nodes (up to 30 per application) support pole	\$250.00
Node support pole (per application for each pole)	\$1,000.00
<u>Transport Facility</u>	
Fee per application	\$500.00 1-5 network nodes
Additional network nodes	\$250.00 1-30 additional nodes

Annual Small Cell Wireless Facilities Fee (Ordinance 2017-O-30)

Network node per network site support pole	\$250.00	
No separate rate from the network node annual fee (each support pole should have a network node attached) Transport facility per app.	\$28.00/m onthly	(for each network node site, unless an equal or greater amount is paid to the City Under chapter 283, Tex. Loc. Gov. Code or Chapter 66, Tx. Util. Code)

ALARMS (PERMITTED THROUGH THE MANVEL POLICE DEPT.)

<u>Burglar and Fire Alarm Systems (expire on December 31st each year)</u>		
Residential Permit	\$50.00 annually	<i>*change of resident will require a new permit</i>
	Pro-Rated Residential Alarm Permit	
	\$50.00 from January 1 st to March 31 st	
	\$25.00 from April 1 st to September 30 th	
	\$12.50 from October 1 st to December 31 st plus annual fee	
Commercial Permit	\$100.00 annually	<i>*change of occupancy will require a new permit</i>
	Pro-Rated Commercial Alarm Permit	
	\$100.00 from January 1 st to March 31 st	
	\$50.00 from April 1 st to September 30 th	
	\$25.00 from October 1 st to December 31 st plus annual fee	

False Alarms

Burglar	50.00	<u>Burglar</u> - fee charged after 5 false alarms within 12 month period
Fire	100.00	<u>Fire</u> - fee charged after 2 false within 12 month period
		Fee taken upon submittal of Burglar and Fire Alarm Systems Permit for Residential and Commercial Business

Fingerprint Fee

Resident	\$5.00
Non-Resident	\$10.00

CITY OF MANVEL PAYMENT OPTIONS AND CREDIT CARD PROCESSING FEES

Municipal Court (Cash and Credit Cards – No checks accepted)

In person - Credit Card Convenience Fee	3.5 % of total transaction.
On line Credit Card Convenience Fee	\$6.50
Night Court payment paid through Square Incorporated	\$3.00 per \$100.00

Permit Department (Cash, credit cards and checks accepted)

Credit Card Convenience Fee	3.0% of total transaction
-----------------------------	---------------------------

Police Department

Court payment paid thru Square Incorporated	\$3.00 per \$100.00
---	---------------------

Utility payments (Cash, check and on-line through TX eCommerce)

Fire Safety and Prevention
Resolution 2022-R-10
Exhibit B - August 2, 2022

Permit Type	Additional Information	Fee
Certificate of Occupancy (Change of Occupancy)	Fire Final Inspection	\$150.00
Open Burning		
Commercial (Trench burn Only)	Site Inspection	\$200.00
Residential	Site Inspection	\$15.00
Fire Inspections		
Construction Site Offices/Trailers/Containers.(Inspection required)	One Time Service	\$150.00
Construction Site Fuel Tanks (Inspection required)	One Time Service per tank	\$100.00
Fireworks Display/Show	Per Site	\$1,000.00
All Fire Plans Review Fees		
Fire Sprinkler System		
Plans Review Fee	50% of total Permit Cost	
Number of Sprinkler Head	per Sprinkler Head	\$5.00
Number of Tamper Devices	per Tamper Divide	\$5.00
Number of Flow Devices	per Flow Device	\$5.00
Jockey Pump		\$50.00
Fire Pump Acceptance Test		\$100.00
Fire Pump Acceptance Test (Re-Test)		\$150.00
Number of Hose Valves	per Hose Valve	\$10.00
Combined Sprinkler and Standpipe	per Combined Sprinkler & Standpipe	\$50.00
Hydrostatic Test	Fee will be charged for each test	\$100.00
Fire Service Underground Main, Fire/Private Hydrants/Storage Tanks		
Plans Review Fee	50% of total Permit Cost	
Fire Service Underground Main		\$100.00
Storage Tanks		\$150.00
Hydrant	per Hydrant	\$50.00
Hydrostatic Test	Fee will be charged for each test	\$100.00
Re-Test Fee		\$175.00
Fixed Suppression System (Commercial Cooking Hood, Spray Booth or Room)		
Plans Review Fee	50% of total Permit Cost	
Automatic Fire-Extinguishing Systems	Fixed Systems	\$150.00
Number of Nozzles	Plus Additional Per Head 2.00	\$5.00
Number of Audio/Visual Devices		\$5.00
System Test		\$100.00
Re-Test Fee		\$175.00

Fire Safety and Prevention
Resolution 2022-R-10
Exhibit B - August 2, 2022

Permit Type	Additional Information	Fee
Fire Alarm and Detection System		
Plans Review Fee	50% of total Permit Cost	
Number of Smoke Detectors	per Device	\$5.00
Number of Duct Detectors	per Device	\$5.00
Number of Heat Activated Devices	per Device	\$5.00
Number of Manual Pull Devices	Per Device	\$5.00
Number of Releasing Devices	per Device	\$5.00
Number of Audio/Visual Devices	per Device	\$5.00
Number of Additional Devices (i.e., Relay/Modules, etc.)	per Device	\$5.00
Remote Annunciator	Each	\$50.00
Emergency Public Address	per Floor	\$50.00
(For first 10 floors and \$5.00 per floor thereafter)	per Floor	\$5.00
Re-Test Fee		\$175.00
Flammable and Combustible Liquids		
Plans Review Fee	50% of total Permit Cost	
Pipeline		\$600.00
Aboveground Storage Tank Install		\$250.00
Aboveground Storage Tank Repair and/or Removal		\$100.00
Underground Storage Tank Install		\$400.00
Underground Storage Tank Repair and/or Removal		\$100.00
Construction Site Fuel Tank (Inspection Required)	One Time Service per Tank	\$100.00
Re-Test Fee		\$175.00
Oil/Gas Well Drilling	Construction Site	\$1,000.00
Oil/Gas Well Workover/Recompletions	Construction Site	\$500.00
Hazardous Materials	Storage	\$200.00
LP-Gas	Storage	\$100.00
Compressed Gas, Hazardous Material and Industrial Ovens		
Plans Review Fee	50% of total Permit Cost	
Compressed Gas	per System	\$150.00
Hazardous Material		\$450.00
Industrial Ovens		\$200.00
Re-Test Fee		\$175.00
Temporary Booth, Membrane Structures and Tents		
Plans Review Fee	50% of total Permit Cost	
Temporary Membrane Structures		\$250.00
Tent and Canopy 201 to 300 square feet		\$50.00
Tent and Canopy 301 to 600 square feet		\$75.00
Tent and Canopy 601 to 1,000 square feet		\$100.00
Tent and Canopy over 1,001 square feet		\$150.00

Fire Safety and Prevention
Resolution 2022-R-10
Exhibit B - August 2, 2022

Permit Type	Additional Information	Fee
Annual Fire Inspections		
Commercial/Public	Initial Inspection	No Fee
Commercial/Public	1st Re-Inspection	No Fee
Commercial/Public	2nd Re-Inspection	\$100.00
Commercial/Public	3rd Re-Inspection	\$200.00
Foster Home	Licensed 1-3	\$25.00
Foster Home	Licensed 3 or more	\$50.00
Group Home	Licensed 1-6	\$50.00
Group Home	Licensed 7-12	\$100.00
Multi-Family Residences/Hotels/Motels	3-20 Dwelling Units	\$200.00
Multi-Family Residences/Hotels/Motels	21 or more Dwelling Units	\$350.00
Hospitals/Nursing Homes Providing 24-Hour Care	Licensed 1-99 Beds	\$300.00
Hospitals/Nursing Homes Providing 24-Hour Care	Licensed 100-199 Beds	\$400.00
Hospitals/Nursing Homes Providing 24-Hour Care	Licensed 200 or more Beds	\$500.00
Other 24-Hour Care Facilities	Licensed for 1-3 Occupants	\$100.00
Other 24-Hour Care Facilities	Licensed for 4-16 Occupants	\$175.00
Other 24-Hour Care Facilities	Licensed for 17-25 Occupants	\$250.00
Other 24-Hour Care Facilities	Licensed for 26 or more Occupants	\$325.00
Required Operational Permits	Annual from Month of Issuance	
Aerosol Products		\$150.00
Amusement Building		\$75.00
Aviation Facilities		\$450.00
Carnivals and Fairs		\$500.00
Battery Systems		\$150.00
Cellulose Nitrate Film		\$500.00
Combustible Dust-Producing Operations		\$500.00
Combustible Fibers		\$150.00
Compressed Gases		\$150.00
Covered Mall Building		\$450.00
Cryogenic Fluids		\$150.00
Cutting and Welding		\$50.00
Day Care Centers (Licensed Facilities Providing Less than 24 Hour Care)	1-50 Children	\$75.00
Day Care Centers (Licensed Facilities Providing Less than 24 Hour Care)	50-99 Children	\$100.00
Day Care Centers (Licensed Facilities Providing Less than 24 Hour Care)	100-149 Children	\$125.00
Day Care Centers (Licensed Facilities Providing Less than 24 Hour Care)	150 or more Children	\$150.00
Dry Cleaning Plants		\$150.00
Exhibits and Trade Shows		\$75.00
Explosives		\$500.00
Flammable and Combustible Liquids (includes Aboveground and Underground Storage Tanks)		\$150.00
Floor Finishing		\$50.00

Fire Safety and Prevention
Resolution 2022-R-10
Exhibit B - August 2, 2022

Permit Type	Additional Information	Fee
Fruit and Crop Ripening		\$50.00
Fumigation and Thermal Insecticide Fogging		\$100.00
Hazardous Materials		\$450.00
Hazardous Production Materials Facilities		\$450.00
High-Piled Storage		\$300.00
Hot Work Operations		\$100.00
Industrial Ovens		\$250.00
Lumber Yards and Woodworking Plants		\$250.00
Liquid/Gas-Fueled Vehicles/Equipment in Assembly Building		\$100.00
LP Gas		\$200.00
Magnesium		\$250.00
Miscellaneous Combustible Storage		\$150.00
Motor Fuel-Dispensing Facilities		\$150.00
Open Burning	see Open Burning Category	--
Organic Coatings		\$150.00
Assembly A	Occupant Load 50-300	\$100.00
Assembly B	Occupant Load 301-1,000	\$150.00
Assembly C	Occupant Load Over 1,000	\$200.00
Private Fire Hydrants		\$50.00
Pyrotechnic Special Effects Material		\$150.00
Pyroxylin Plastics		\$250.00
Refrigeration Equipment		\$150.00
Repair Garages and Motor Fuel-Dispensing Facilities		\$150.00
Rooftop Heliports		\$100.00
Spraying or Dipping		\$100.00
Storage of Scrap Tires and Tire Byproducts		\$350.00
Tire Rebuilding Plants		\$500.00
Waste Handling		\$150.00
Wood Products		\$150.00
Double Permit Fee		
If it is determined by the Fire Code Official that an activity, condition, or occupancy requiring		
a permit exists and no permit has been issued, the Fire Code Official may impose a double		
permit fee.		
<i>If a New Installation, Renovation/Addition to Existing System, or Repair is completed without</i>		
<i>an approved permit, then double fees shall be added to the permit fee total.</i>		

Utility Fees - August 2, 2022

Resolution 2022-R-10

Exhibit C

Tap and Inspection Fees (Sec. 71-2)		
Water Connection Fee Schedule	Meter size	Cost
Single-Family Residential	3/4"	\$550 plus 1/2 cost of any required bore
	>3/4"	\$750 plus 1/2 cost of any required bore
Sewer Connection Fee Schedule	Fee Type	Cost
Single-Family Residential	Connection Fee	\$750 plus 1/2 cost of any required bore
Multi-family Residential and Non-Residential	Connection Fee	Based on individual needs of the facility based on engineering requirements
Temporary Construction & Bulk Water Meters	Fee Type	Cost
Temporary meter & use of a fire hydrant wrench	Installation Fee	\$50
	Deposit	\$750
Bulk Water	Water Meter Base Charge	\$100
	Rate per 1,000 gallons	\$10/per 1,000 gallons of water used
Pre-facility Inspection	Inspection Fee	\$25
	Reinspection Fee	\$25
Grease Trap Inspections	Inspection Fee	\$35
	Reinspection Fee	\$40
Sewer and Water Complaints	If on consumer-side	\$40 per hour time required for inspection
Swimming Pool Inspections (Sec.71-6)	Fee Type	Cost
	Inspection Fee	\$40
Plumbing (Sec. 71-7)	Fee Type	Cost
Backflow Prevention Assemblies	Testing and Certification	\$75
Customer Service Inspections	Single-Family Residential Users	\$100
	Other Users	Determined on an individual basis
Final Plumbing Inspection	Single-Family Residential Users	\$50
	Other Users	Determined on an individual basis
Late Payments (Sec. 71-8)	Fee Type	Cost
	Certified Delinquent Letter Fee	\$10 for each notice of termination
Termination & Reconnection of Service (Sec. 71-9)	Fee Type	Cost
Reconnection	Reconnection Fee	\$50 plus \$75 security deposit, less prior security deposit on file
Vacation	Temporary Suspension & Reconne	\$50 for meter pull and \$50 for reconnection
Returned Checks (Sec. 71-10)	Fee Type	Cost
	Returned check fee added to bill	\$25
New Account Fee (Sec. 71-11)	Fee Type	Cost
	New Account Setup Fee	\$20 (nonrefundable)
Security Deposits (Sec. 71-12)	Fee Type	Cost
Residential Owner	Security Deposit	\$75
Residential Renter	Security Deposit	\$200
Commercial - 1" meter or smaller	Security Deposit	\$200
Commercial - 2" meter or larger	Security Deposit	\$400
Temporary Construction Meter	Security Deposit	\$750
Bulk Water Purchase (Residential)	Security Deposit	\$1,000
Bulk Water Purchase (Commercial/Pipeline)	Security Deposit	\$5,000
Builder Deposits	Security Deposit	\$500 at time a request for each initial water tap is made

Utility Fees - August 2, 2022

Resolution 2022-R-10

Exhibit C

*** Separate from fee schedule ***		
Water and Sewer Rates adopted by Ordinance 2022-O-21 (Effective 10/1/2022)		
*Water Rates (Monthly) (Sec. 71-4)	Gallons	Cost
Single-Family Residential Users	First 2,000 gallons	\$28.36 (Minimum)
	All over 2,000 gallons	\$2.60 per 1,000 gallons
Commercial Users	First 2,000 gallons	\$34.03 (Minimum)
	All over 2,000 gallons	\$2.60 per 1,000 gallons
*Sewer Rates (Sec. 71-5)	Gallons	Cost
Single-Family Residential Users	First 2,000 gallons	\$34.03 (Minimum)
	All over 2,000 gallons	\$2.60 per 1,000 gallons
Multi-Family Residential Users	First 2,000 gallons	\$34.03 (Minimum)
	All over 2,000 gallons	\$2.60 per 1,000 gallons
Commercial Users	First 2,000 gallons	\$39.71 (Minimum)
	All over 2,000 gallons	\$2.60 per 1,000 gallons

RESOLUTION NO. 2022-R-10

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MANVEL,
TEXAS, ADOPTING A SCHEDULE OF FEES, RATES, DEPOSITS, AND
OTHER CHARGES FOR ZONING, PLATTING, BUILDING AND
OTHER RELATED MATTERS; AND REPEALING ALL RESOLUTIONS
IN CONFLICT HERE WITH; AND OTHER RELATED MATTERS.**

* * * * *

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MANVEL, TEXAS:

Section 1. That certain “**FEE SCHEDULE – August 2, 2022,**” a true and correct copy of which is attached hereto as Exhibit “A,” and for all things is made a part of this Resolution, is hereby in all things adopted. The fees set forth in said Exhibit “A” shall be applicable beginning August 2, 2022.

Section 2. That certain “**FIRE PROTECTION AND PREVENTION – August 2, 2022**” fee schedule, a true and correct copy of which is attached hereto as Exhibit “B,” and for all things is made a part of this Resolution, is hereby in all things adopted. The fees set forth in said Exhibit “B” shall be applicable beginning August 2, 2022.

Section 3. That certain “**UTILITY FEES” – August 2, 2022,**” a true and correct copy of which is attached hereto as Exhibit “C,” and for all things is made a part of this Resolution, is hereby in all things adopted. The fees set forth in said Exhibit “C” shall be applicable beginning August 2, 2022.

Section 4. All resolutions or parts of resolutions inconsistent or in conflict herewith are, to the extent of such inconsistency or conflict, hereby repealed.

RESOLVED, this the _____, day of _____, 2022.

Debra Davison, Mayor

ATTEST:

Tammy Bell, City Secretary

CITY OF MANVEL
FEE SCHEDULE AUGUST 2, 2022
Exhibit A

ZONING

OCCUPANCY PERMITS, NON-RESIDENTIAL	
CHANGE OF USE / TENANCY	\$150.00
REGISTRATION FOR NEWLY ANNEXED BUSINESSES	\$0
TEMPORARY BUSINESS PERMITS	\$50.00
INTERPRETATION FROM ZONING OFFICIAL	\$50.00
RE-ZONING APPLICATION	\$1,800.00
SPECIFIC USE PERMIT FEE	\$1,500.00
APPEAL TO THE ZONING BOARD OF ADJUSTMENTS	\$750.00
PLANNED UNIT DEVELOPMENT (PUD)	
PUBLIC NOTICE FEE	\$150.00
SMALL PUD	\$4,000.00
MEDIUM PUD	\$4,000.00 plus \$40.00/acre
LARGE PUD (LESS THAN 1,000 ACRES OR GREATER)	\$10,000.00 plus \$30.00/acre
LARGE PUD (GREATER THAN 1,000 ACRES)	\$20,000.00 plus \$20.00/acre
PLANNED UNIT DEVELOPMENT (PUD) AMENDMENT	\$500.00

CITY PLANNING

PRELIMINARY PLAT	\$750.00	
		+ \$10/lot and \$15/acre or fraction in reserves
FINAL PLAT	\$750.00	
		+ \$25 / LOT and \$15/acre or fraction in reserves
MASTER PLAN		
50 ACRES TO 100 ACRES	\$1,000.00	
101 ACRES OR MORE	\$2,000.00	
REPLATTING CHARGES WHEN A PUBLIC HEARING IS HELD		
WITH NOTIFICATION		Advertising Fee \$75.00
		Per Mailing Notification Fee \$1.00
WITHOUT NOTIFICATION	\$75.00	
DEVELOPMENT PLAT	\$750.00	PLUS \$15/ACRE
MINOR PLAT OR AMENDING PLAT	\$500.00	
PLAT EXTENSION (6 MONTHS)	NO CHARGE	
RECORDING FEES WITH BRAZORIA COUNTY		
- ACTUAL COST OF RECORDING, PLUS	\$30.00	
PLAT RE-SUBMITTAL	\$200.00 each	
VARIANCE TO THE SUBDIVISION ORDINANCE	\$500.00	
VARIANCE TO THE DESIGN CRITERIA MANUAL	\$200.00	

ENGINEERING

PLAN REVIEW, STREETS, UTILITIES, PUBLIC SYSTEMS, ETC.

\$500.00 base plus \$50.00 per document page larger than legal size sheets

RESUBMITTALS FOR PLAN REVIEW, STREETS, UTILITIES, PUBLIC SYSTEMS

(After second submittal) \$250.00 base plus \$10.00 per document page

PLAN REVIEW FOR BINDERS (every ten (10) sheets equal 1 document page)

\$500.00 base plus \$5.00 per legal size or smaller sheets

CIVIL SITE IMPROVEMENTS, STREETS, UTILITIES, PUBLIC SYSTEMS, ETC.

\$1,000.00 flat fee for projects up to and including \$100,000.00.

Over \$100,000.00- \$1,000.00 plus \$8.00 for each thousand over \$100,000.00

RE-CHECK FEE or VERIFICATION OF CORRECTIONS \$250.00

ENVIRONMENTAL HEALTH

Onsite Septic System permits

Residential \$250.00

Commercial \$410.00

On site evaluation \$50.00

(This will be an inspection to make sure a septic system is working properly)

BUILDING DEPARTMENT - ALL PERMITS EXPIRE AT 180 DAYS UNLESS NOTED OTHERWISE

CONSTRUCTION PERMITS RESIDENTIAL AND COMMERCIAL

Minimum permit fee \$50.00

Commercial Construction Permit Application Fee (values greater than \$10,000) \$50.00

\$15.00 for the first \$1,000.00 of construction value plus;

\$5.00 per thousand, up to and including \$50,000.00

\$260 for the first \$50,000.00 plus \$4 per additional thousand

\$460 for the first \$100,000.00 plus \$3 per additional thousand

\$1,660 for the first \$500,000.00 plus \$2 per additional thousand

Residential Construction Permit Application Fee \$0.40/sq. ft.

\$70.00 FOR DETACHED GARAGES OR NATIONALLY RECOGNIZED COST ESTIMATING BOOK

PLAN REVIEW FEE ½ OF THE BUILDING PERMIT FEE

RESIDENTIAL STREAMLINE PERMITS FEE FOR ELECTRICAL, PLUMBING AND HVAC; FEE WILL BE A MINIMUM OF 25 % OF THE BUILDING PERMIT FEE FOR EACH CATEGORY

REVIEW FOR ELEVATION CERTIFICATES INCLUDED IN NEW CONSTRUCTION PERMIT (3 TOTAL (at start, at pre-pour and final) PER CERTIFICATE \$50.00

REVIEW FOR ELEVATION CERTIFICATES NOT INCLUDED IN NEW CONSTRUCTION PER CERTIFICATE \$65.00

MANUFACTURED AND MODULER HOMES \$0.30/sq. ft.

IMPACT FEES: (2021-R-26)

Meter Size	Meter Type	Service Unit Equivalent	Impact Fees		
			Water	Wastewater	Total
3/4"	Displacement	1.0	\$2,441	\$7,107	\$9,548
1"	Displacement	1.6	\$3,906	\$11,371	\$15,277
1-1/2"	Turbine	4.0	\$9,766	\$28,428	\$38,194
2"	Turbine	6.4	\$15,625	\$45,484	\$61,109
3"	Displacement	12.8	\$31,251	\$90,969	\$122,220
4"	Displacement	20.0	\$48,830	\$142,140	\$190,970
6"	Displacement	40.0	\$97,660	\$284,280	\$381,940
8"	Displacement	64.0	\$156,256	\$454,848	\$611,104
10"	Displacement	92.0	\$224,618	\$653,844	\$878,462

****CARPORTS** (see below), POLE BARNs, SHEDS, ELEVATED DECKs 30" OR HIGHER, ETC...
 (NON-LIVING AREAS OVER 200 SQ FEET – OUTSIDE THE FLOOD ZONE)
****CARPORTS – metal pre-fab structure, open on all four sides, 400 sq. feet or less over parking area, does NOT require a permit)**

MINIMUM \$50.00
 Plus Plan Review (if required)

ADDITIONALLY, CARPORTS (DETACHED) OF AREA LESS THAN 600 SQUARE FEET ARE STILL REQUIRED TO BE PERMITTED, BUT ARE EXEMPT FROM THE PAYMENT OF THE PERMIT FEE, WITH THE FOLLOWING CONDITIONS: (SEE ORDINANCE 2016-O-05)

1) Less than 600 square feet in area; 2) Enclosed on no more than 2 sides; 3) Unfinished on the interior; 4) No utilities connected to the structure; 5) Can be used only for parking and limited storage and not used for habitation (no working, sleeping, living, cooking, or restroom areas); 6) Must be detached from residential structure; 7) Must be firmly anchored to prevent floatation, collapse, and lateral movement; 8) Must abide by the same setbacks as required by zoning on the property; 9) No elevation certificate is required; and 10) A site drawing (can be hand drawn) is required to show where the structure will be located.

FEE No Cost

ELECTRICAL AND PLUMBING PERMITS PULLED SEPARATELY, THE BASE FEE IS APPLIED, PLUS ANY ADDITIONAL COST ITEMS LISTED ON THE APPLICATION.

PLUMBING PERMITS	BASE FEE	REPAIRS	\$100.00
		RESIDENTIAL (New & Add-Ons)	\$150.00
		COMMERCIAL (New & Add-Ons)	\$200.00
ELECTRICAL PERMITS	BASE FEE	REPAIRS	\$100.00
		RESIDENTIAL (New & Add-Ons)	\$150.00
		COMMERCIAL (New & Add-Ons)	\$200.00
MECHANICAL PERMITS	BASE FEE	REPAIRS	\$100.00
		RESIDENTIAL (New & Add-Ons)	\$150.00
		COMMERCIAL (New & Add-Ons)	\$200.00
RENEWAL BUILDING PERMITS		RESIDENTIAL INDIVIDUAL PERMIT	\$150.00
		NEW HOME PERMIT (4 PERMITS IN ONE)	\$300.00
		COMMERCIAL PERMIT	\$300.00

RE-INSPECTION FEES FOR FAILED WITH PENALTY (PAYABLE IN ADVANCE)

RESIDENTIAL	\$50.00
COMMERCIAL	\$100.00

PERMITS	Residential/ General Fee	Commercial	Notes
Culvert (Per Crossing)	\$100.00	\$100.00	
Demolition permits	\$50.00	\$50.00	
Display permits (per unit)	\$50.00		Annual renewal from date of issue. Inspections done on anchoring and location of display. Electrical permits pulled separately
Driveways	\$100.00	\$150.00	
Driveways (TXDOT)		\$500.00	Commercial properties fronting on a State maintained road
Development Permit (in Floodplain)	\$500.00		Property located in a floodplain or property not in a floodplain that has reached 20 loads with approved permit.

Development Permit (outside Floodplain)	\$100.00		Property outside the floodplain up to 20 loads
Irrigation (Base)	\$140.00	\$200.00	
Pond permits	\$50.00	N/A	
Sign Permits	\$100.00		
Review fee	\$50.00		
Sign Permit – Misc.	\$-0-	N/A	Political and non-profit signs
Swimming Pool (Based on value of Pool)			Electrical and plumbing can be included in one permit, fee is based on a minimum of 25 % of the permit fee
Water Wells	\$50		
<u>ANNUAL PERMITS</u>		<u>FEE</u>	<u>NOTES</u>
<i>EXPIRE ON DEC. 31ST EACH YEAR</i>			
Ambulance Provider License		\$500.00	
EMS Vehicle (per Ambulance Charge)		\$100.00	
Beer and Wine			not to exceed ½ of TABC license fee
Burn (Residential)		\$15.00	
<u>Manufactured Home Community</u>			
Annual Fee		\$100.00	
Plus per space fee		\$5.00	
<u>Pet Registration** (Police Dept.)</u>			**The pet licenses expire one year from the <u>date of issue.</u>
If spayed or neutered		\$5.00	
without proof not spayed or neutered		\$10.00	
Pet impound fee (first day)		\$30.00	
Each additional day impound		\$5.00	
<u>ROW (Ordinance 2011-O-22)</u>			
Use of public right-of-way or City property			
Right-of way crossing			
Right-of way, first year per rod		\$1,000.00	(per crossing per year)
Annual renewal, per rod		\$21.00	
		\$7.50	
<u>RV Park License</u>			
Annual fee		\$100.00	
Plus per space fee		\$5.00	
<u>Solicitor Permit</u>			
30 day renewal, passport picture required		\$50.00	First Person
		\$25.00	Additional Person
Storage Facility		\$250.00	

Wrecker Permits - Per wrecker charge	\$100.00	
Hotel Operation License*	\$100.00	
*annual permit expires per adopted ordinance		
Coin Operated Machine Tax	\$50.00	per Machine

Health Inspections/Permits

Mobile Food Unit	\$200.00	per Unit
Food Establishment – Small (< 1,000 sf.)	\$200.00	Bi-Annual Site Inspection
Food Establishment – Medium (1,001-10,000 sf.)	\$400.00	Bi-Annual Site Inspection
Food Establishment – Large (>10,000 sf.)	\$600.00	Bi-Annual Site Inspection
Non-Profit Organizations*	\$100.00	Bi-Annual Site Inspection
Day Care Center	\$150.00	Bi-Annual Site Inspection
Group Residence (institution)	\$150.00	Bi-Annual Site Inspection
Ownership Change Food Establishment		
Small (full year July 1 st to December 31 st)	\$200.00	Site Inspection
Medium (full year July 1 st to December 31 st)	\$400.00	Site Inspection
Large (full year July 1 st to December 31 st)	\$600.00	Site Inspection
Small (6 months – January 1 st to June 30 th)	\$100.00	Site Inspection
Medium (6 months – January 1 st to June 30 th)	\$200.00	Site Inspection
Large (6 months – January 1 st to June 30 th)	\$300.00	Site Inspection
Non-Profit Organizations (full year July 1 st to December 31 st)	\$100.00	Site Inspection
Non-Profit Organizations (6 months – January 1 st to June 30 th)	\$50.00	Site Inspection
Day Care Center (full year July 1 st to December 31 st)	\$150.00	Site Inspection
Day Care Center (6 months – January 1 st to June 30 th)	\$75.00	Site Inspection
Group Residence (full year July 1 st to December 31 st)	\$150.00	Site Inspection
Group Residence (6 months – January 1 st to June 30 th)	\$75.00	Site Inspection
Temporary Food Establishment	\$50.00	Site Inspection
Re-Inspections	\$150.00	Re-Inspection
Owner Initiated Inspection	\$150.00	Re-Inspection
*supporting documentation required		

FRANCHISE FEES (Pipeline Ordinance 2011-O-22)

Pipeline Registration Fee	\$100.00
Deposit	\$5,000.00
Franchise Administrative Application fee	\$500.00
City Inspection Fee	\$150.00 / HR

RENTAL REGISTRATION AND INSPECTIONS (Rental Ordinance 2013-O-06)

Annual Rental Permit Fee	\$50.00 per unit
Initial inspection, re-inspection	no charge
All subsequent re-inspections	\$250.00
Untimely registration fee from 10/1/2013	
Within 30 days after date set in section 17-426	\$300.00
after 30 th day before 60 th day set in section 17-426	\$375.00
after 60 th day set in section 17-426	\$450.00
Failure to register mandatory inspection fee	\$500.00
(includes initial inspection and one re-inspection)	
Additional Re-Inspections	\$250.00

SMALL CELL WIRELESS FACILITIES (Ordinance 2017-O-30) Application Fee

<u>Network Node</u>	<u>Fee</u>
Fee per application for up to 5 network nodes	\$500.00
Additional network nodes (up to 30 per application) support pole	\$250.00
Node support pole (per application for each pole)	\$1,000.00

Transport Facility

Fee per application	\$500.00	1-5 network nodes
Additional network nodes	\$250.00	1-30 additional nodes

Annual Small Cell Wireless Facilities Fee (Ordinance 2017-O-30)

Network node per network site support pole	\$250.00
--	----------

No separate rate from the network node annual fee (each support pole should have a network node attached) Transport facility per app.	\$28.00/monthly	(for each network node site, unless an equal or greater amount is paid to the City Under chapter 283, Tex. Loc. Gov. Code or Chapter 66, Tx. Util. Code)
---	-----------------	--

ALARMS (PERMITTED THROUGH THE MANVEL POLICE DEPT.)

Burglar and Fire Alarm Systems (expire on December 31st each year)

Residential Permit	\$50.00 annually	*change of resident will require a new permit
	Pro-Rated Residential Alarm Permit	
	\$50.00 from January 1 st to March 31 st	
	\$25.00 from April 1 st to September 30 th	
	\$12.50 from October 1 st to December 31 st plus annual fee	
Commercial Permit	\$100.00 annually	*change of occupancy will require a new permit
	Pro-Rated Commercial Alarm Permit	
	\$100.00 from January 1 st to March 31 st	
	\$50.00 from April 1 st to September 30 th	
	\$25.00 from October 1 st to December 31 st plus annual fee	

False Alarms

Burglar	50.00	<u>Burglar</u> - fee charged after 5 false alarms within 12 month period
Fire	100.00	<u>Fire</u> - fee charged after 2 false within 12 month period
		Fee taken upon submittal of Burglar and Fire Alarm Systems Permit for Residential and Commercial Business

Fingerprint Fee

Resident	\$5.00
Non-Resident	\$10.00

CITY OF MANVEL PAYMENT OPTIONS AND CREDIT CARD PROCESSING FEES

Municipal Court (Cash and Credit Cards – No checks accepted)

In person - Credit Card Convenience Fee	3.5 % of total transaction.
On line Credit Card Convenience Fee	\$6.50
Night Court payment paid through Square Incorporated	\$3.00 per \$100.00

Permit Department (Cash, credit cards and checks accepted)

Credit Card Convenience Fee	3.0% of total transaction
-----------------------------	---------------------------

Police Department

Court payment paid thru Square Incorporated	\$3.00 per \$100.00
---	---------------------

Utility payments (Cash, check and on-line through TX eCommerce)

Fire Safety and Prevention
Resolution 2022-R-10
Exhibit B - August 2, 2022

Permit Type	Additional Information	Fee
Certificate of Occupancy (Change of Occupancy)	Fire Final Inspection	\$150.00
Open Burning		
Commercial (Trench burn Only)	Site Inspection	\$200.00
Residential	Site Inspection	\$15.00
Fire Inspections		
Construction Site Offices/Trailers/Containers.(Inspection required)	One Time Service	\$150.00
Construction Site Fuel Tanks (Inspection required)	One Time Service per tank	\$100.00
Fireworks Display/Show	Per Site	\$1,000.00
All Fire Plans Review Fees		
Fire Sprinkler System		
Plans Review Fee	50% of total Permit Cost	
Number of Sprinkler Head	per Sprinkler Head	\$5.00
Number of Tamper Devices	per Tamper Divide	\$5.00
Number of Flow Devices	per Flow Device	\$5.00
Jockey Pump		\$50.00
Fire Pump Acceptance Test		\$100.00
Fire Pump Acceptance Test (Re-Test)		\$150.00
Number of Hose Valves	per Hose Valve	\$10.00
Combined Sprinkler and Standpipe	per Combined Sprinkler & Standpipe	\$50.00
Hydrostatic Test	Fee will be charged for each test	\$100.00
Fire Service Underground Main, Fire/Private Hydrants/Storage Tanks		
Plans Review Fee	50% of total Permit Cost	
Fire Service Underground Main		\$100.00
Storage Tanks		\$150.00
Hydrant	per Hydrant	\$50.00
Hydrostatic Test	Fee will be charged for each test	\$100.00
Re-Test Fee		\$175.00
Fixed Suppression System (Commercial Cooking Hood, Spray Booth or Room		
Plans Review Fee	50% of total Permit Cost	
Automatic Fire-Extinguishing Systems	Fixed Systems	\$150.00
Number of Nozzles	Plus Additional Per Head 2.00	\$5.00
Number of Audio/Visual Devices		\$5.00
System Test		\$100.00
Re-Test Fee		\$175.00

Fire Safety and Prevention
Resolution 2022-R-10
Exhibit B - August 2, 2022

Permit Type	Additional Information	Fee
Fire Alarm and Detection System		
Plans Review Fee	50% of total Permit Cost	
Number of Smoke Detectors	per Device	\$5.00
Number of Duct Detectors	per Device	\$5.00
Number of Heat Activated Devices	per Device	\$5.00
Number of Manual Pull Devices	Per Device	\$5.00
Number of Releasing Devices	per Device	\$5.00
Number of Audio/Visual Devices	per Device	\$5.00
Number of Additional Devices (i.e., Relay/Modules, etc.)	per Device	\$5.00
Remote Annunciator	Each	\$50.00
Emergency Public Address	per Floor	\$50.00
(For first 10 floors and \$5.00 per floor thereafter)	per Floor	\$5.00
Re-Test Fee		\$175.00
Flammable and Combustible Liquids		
Plans Review Fee	50% of total Permit Cost	
Pipeline		\$600.00
Aboveground Storage Tank Install		\$250.00
Aboveground Storage Tank Repair and/or Removal		\$100.00
Underground Storage Tank Install		\$400.00
Underground Storage Tank Repair and/or Removal		\$100.00
Construction Site Fuel Tank (Inspection Required)	One Time Service per Tank	\$100.00
Re-Test Fee		\$175.00
Oil/Gas Well Drilling	Construction Site	\$1,000.00
Oil/Gas Well Workover/Recompletions	Construction Site	\$500.00
Hazardous Materials	Storage	\$200.00
LP-Gas	Storage	\$100.00
Compressed Gas, Hazardous Material and Industrial Ovens		
Plans Review Fee	50% of total Permit Cost	
Compressed Gas	per System	\$150.00
Hazardous Material		\$450.00
Industrial Ovens		\$200.00
Re-Test Fee		\$175.00
Temporary Booth, Membrane Structures and Tents		
Plans Review Fee	50% of total Permit Cost	
Temporary Membrane Structures		\$250.00
Tent and Canopy 201 to 300 square feet		\$50.00
Tent and Canopy 301 to 600 square feet		\$75.00
Tent and Canopy 601 to 1,000 square feet		\$100.00
Tent and Canopy over 1,001 square feet		\$150.00

Fire Safety and Prevention
Resolution 2022-R-10
Exhibit B - August 2, 2022

Permit Type	Additional Information	Fee
Annual Fire Inspections		
Commercial/Public	Initial Inspection	No Fee
Commercial/Public	1st Re-Inspection	No Fee
Commercial/Public	2nd Re-Inspection	\$100.00
Commercial/Public	3rd Re-Inspection	\$200.00
Foster Home	Licensed 1-3	\$25.00
Foster Home	Licensed 3 or more	\$50.00
Group Home	Licensed 1-6	\$50.00
Group Home	Licensed 7-12	\$100.00
Multi-Family Residences/Hotels/Motels	3-20 Dwelling Units	\$200.00
Multi-Family Residences/Hotels/Motels	21 or more Dwelling Units	\$350.00
Hospitals/Nursing Homes Providing 24-Hour Care	Licensed 1-99 Beds	\$300.00
Hospitals/Nursing Homes Providing 24-Hour Care	Licensed 100-199 Beds	\$400.00
Hospitals/Nursing Homes Providing 24-Hour Care	Licensed 200 or more Beds	\$500.00
Other 24-Hour Care Facilities	Licensed for 1-3 Occupants	\$100.00
Other 24-Hour Care Facilities	Licensed for 4-16 Occupants	\$175.00
Other 24-Hour Care Facilities	Licensed for 17-25 Occupants	\$250.00
Other 24-Hour Care Facilities	Licensed for 26 or more Occupants	\$325.00
Required Operational Permits	Annual from Month of Issuance	
Aerosol Products		\$150.00
Amusement Building		\$75.00
Aviation Facilities		\$450.00
Carnivals and Fairs		\$500.00
Battery Systems		\$150.00
Cellulose Nitrate Film		\$500.00
Combustible Dust-Producing Operations		\$500.00
Combustible Fibers		\$150.00
Compressed Gases		\$150.00
Covered Mall Building		\$450.00
Cryogenic Fluids		\$150.00
Cutting and Welding		\$50.00
Day Care Centers (Licensed Facilities Providing Less than 24 Hour Care)	1-50 Children	\$75.00
Day Care Centers (Licensed Facilities Providing Less than 24 Hour Care)	50-99 Children	\$100.00
Day Care Centers (Licensed Facilities Providing Less than 24 Hour Care)	100-149 Children	\$125.00
Day Care Centers (Licensed Facilities Providing Less than 24 Hour Care)	150 or more Children	\$150.00
Dry Cleaning Plants		\$150.00
Exhibits and Trade Shows		\$75.00
Explosives		\$500.00
Flammable and Combustible Liquids (includes Aboveground and Underground Storage Tanks)		\$150.00
Floor Finishing		\$50.00

Fire Safety and Prevention
Resolution 2022-R-10
Exhibit B - August 2, 2022

Permit Type	Additional Information	Fee
Fruit and Crop Ripening		\$50.00
Fumigation and Thermal Insecticide Fogging		\$100.00
Hazardous Materials		\$450.00
Hazardous Production Materials Facilities		\$450.00
High-Piled Storage		\$300.00
Hot Work Operations		\$100.00
Industrial Ovens		\$250.00
Lumber Yards and Woodworking Plants		\$250.00
Liquid/Gas-Fueled Vehicles/Equipment in Assembly Building		\$100.00
LP Gas		\$200.00
Magnesium		\$250.00
Miscellaneous Combustible Storage		\$150.00
Motor Fuel-Dispensing Facilities		\$150.00
Open Burning	see Open Burning Category	--
Organic Coatings		\$150.00
Assembly A	Occupant Load 50-300	\$100.00
Assembly B	Occupant Load 301-1,000	\$150.00
Assembly C	Occupant Load Over 1,000	\$200.00
Private Fire Hydrants		\$50.00
Pyrotechnic Special Effects Material		\$150.00
Pyroxylin Plastics		\$250.00
Refrigeration Equipment		\$150.00
Repair Garages and Motor Fuel-Dispensing Facilities		\$150.00
Rooftop Heliports		\$100.00
Spraying or Dipping		\$100.00
Storage of Scrap Tires and Tire Byproducts		\$350.00
Tire Rebuilding Plants		\$500.00
Waste Handling		\$150.00
Wood Products		\$150.00
Double Permit Fee		
If it is determined by the Fire Code Official that an activity, condition, or occupancy requiring a permit exists and no permit has been issued, the Fire Code Official may impose a double permit fee.		
<i>If a New Installation, Renovation/Addition to Existing System, or Repair is completed without an approved permit, then double fees shall be added to the permit fee total.</i>		

Utility Fees - August 2, 2022

Resolution 2022-R-10

Exhibit C

Tap and Inspection Fees (Sec. 71-2)		
Water Connection Fee Schedule	Meter size	Cost
Single-Family Residential	3/4"	\$550 plus 1/2 cost of any required bore
	>3/4"	\$750 plus 1/2 cost of any required bore
Sewer Connection Fee Schedule	Fee Type	Cost
Single-Family Residential	Connection Fee	\$750 plus 1/2 cost of any required bore
Multi-family Residential and Non-Residential	Connection Fee	Based on individual needs of the facility based on engineering requirements
Temporary Construction & Bulk Water Meters	Fee Type	Cost
Temporary meter & use of a fire hydrant wrench	Installation Fee	\$50
	Deposit	\$750
Bulk Water	Water Meter Base Charge	\$100
	Rate per 1,000 gallons	\$10/per 1,000 gallons of water used
Pre-facility Inspection	Inspection Fee	\$25
	Reinspection Fee	\$25
Grease Trap Inspections	Inspection Fee	\$35
	Reinspection Fee	\$40
Sewer and Water Complaints	If on consumer-side	\$40 per hour time required for inspection
Swimming Pool Inspections (Sec.71-6)	Fee Type	Cost
	Inspection Fee	\$40
Plumbing (Sec. 71-7)	Fee Type	Cost
Backflow Prevention Assemblies	Testing and Certification	\$75
Customer Service Inspections	Single-Family Residential Users	\$100
	Other Users	Determined on an individual basis
Final Plumbing Inspection	Single-Family Residential Users	\$50
	Other Users	Determined on an individual basis
Late Payments (Sec. 71-8)	Fee Type	Cost
	Certified Delinquent Letter Fee	\$10 for each notice of termination
Termination & Reconnection of Service (Sec. 71-9)	Fee Type	Cost
Reconnection	Reconnection Fee	\$50 plus \$75 security deposit, less prior security deposit on file
Vacation	Temporary Suspension & Reconnection	\$50 for meter pull and \$50 for reconnection
Returned Checks (Sec. 71-10)	Fee Type	Cost
	Returned check fee added to bill	\$25
New Account Fee (Sec. 71-11)	Fee Type	Cost
	New Account Setup Fee	\$20 (nonrefundable)
Security Deposits (Sec. 71-12)	Fee Type	Cost
Residential Owner	Security Deposit	\$75
Residential Renter	Security Deposit	\$200
Commercial - 1" meter or smaller	Security Deposit	\$200
Commercial - 2" meter or larger	Security Deposit	\$400
Temporary Construction Meter	Security Deposit	\$750
Bulk Water Purchase (Residential)	Security Deposit	\$1,000
Bulk Water Purchase (Commercial/Pipeline)	Security Deposit	\$5,000
Builder Deposits	Security Deposit	\$500 at time a request for each initial water tap is made

Utility Fees - August 2, 2022
Resolution 2022-R-10
Exhibit C

*** Separate from fee schedule ***		
Water and Sewer Rates adopted by Ordinance 2022-O-21 (Effective 10/1/2022)		
*Water Rates (Monthly) (Sec. 71-4)	Gallons	Cost
Single-Family Residential Users	First 2,000 gallons	\$28.36 (Minimum)
	All over 2,000 gallons	\$2.60 per 1,000 gallons
Commercial Users	First 2,000 gallons	\$34.03 (Minimum)
	All over 2,000 gallons	\$2.60 per 1,000 gallons
*Sewer Rates (Sec. 71-5)	Gallons	Cost
Single-Family Residential Users	First 2,000 gallons	\$34.03 (Minimum)
	All over 2,000 gallons	\$2.60 per 1,000 gallons
Multi-Family Residential Users	First 2,000 gallons	\$34.03 (Minimum)
	All over 2,000 gallons	\$2.60 per 1,000 gallons
Commercial Users	First 2,000 gallons	\$39.71 (Minimum)
	All over 2,000 gallons	\$2.60 per 1,000 gallons