



CITY *of* BRISBANE

Infrastructure, Utilities & Franchise Subcommittee Agenda

Monday, March 28th, 2022 at 1:00 PM • Virtual Meeting

This meeting is compliant with the Ralph M. Brown act as amended by California Assembly Bill No. 361 effective September 16, 2021 providing for a public health emergency exception to the standard teleconference rules required by the Brown Act. The purpose of this is to provide a safe environment for the public, staff, and the Subcommittee, while allowing for public participation. The public may address the Subcommittee using exclusively remote public comment options. The Subcommittee may take action on any item listed in the agenda.

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Meeting ID: 811 8516 3776

Passcode: 123456

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SUBCOMMITTEE MEMBERS:

Mayor Mackin, Mayor Pro-tem Lentz

PRESENTATIONS AND DISCUSSION ITEMS

- A. Traffic Calming and Pedestrian accommodation on Bayshore Boulevard
- B. Discuss Potential Federal Funding
- C. Discuss Capital Project Charges

PUBLIC COMMENT**ADJOURNMENT**

B.

File Attachments for Item:

B. Discuss Potential Federal Funding



MEMORANDUM

To: Council Infrastructure Subcommittee
From: Clay Holstine, City Manager
Subject: Potential Federal Funding
Date: March 28th, 2022

Background

The purpose of this report and agenda item is to discuss submission of earmarks to the federal government appropriations process and to discuss potential grant application process.

Options for Federal Funding

Two significant developments have taken place this year with regards to funding of capital projects at the local level using Federal dollars.

First, the passage of the Infrastructure Act that has allocated funds in various categories and programs that Cities may apply for through normal grant application processes.

Second, the reemergence of potential earmarks in federal funding authorizations. Many years ago, we were successful in obtaining funding through this process. While the process outlines specific funding items in the bill that congress passes and the President signs, we would still be required to do significant paperwork through whichever agency that over sees the funding.

Both funding opportunities are worth pursuing from staff's perspective as long as the grants/earmarks are of significant enough dollar value to justify the effort to obtain and administer. While there is no magic number staff believes that projects of a half million or more are worth pursuing. Keep in mind that we are often required to have a local match.

The funding we recently were awarded through an earmark for housing rehab is for just under half million to be matched by an equal amount locally.

We have been notified that we need to submit requests to Senator Feinstein and Padilla by April 4th.

Projects

Attached is our Capital Improvement list. It is recommended that we work from this list in identifying potential projects as these projects have been vetted and we have cost estimates. Previously we had submitted to the State of California funding request for a Wildland Fire Mitigation project (Tulare Street to Alvarado Street alley), and Water Conservation and Drought Resiliency project (Advanced Metering Infrastructure). State funding has identified a modest amount of funds for earmarking.

Timing and Process

We need to submit project requests prior to the next City Council meeting. Once the subcommittee decides, I can report it to the City Council and see if there are any concerns.

Recommendation

Review Capital list and determine appropriate projects for submittal. I have requested guidance from our Washington D.C lobbyist June DeHart regarding the dollar amount we should consider and hope to provide that input to you at the meeting.

Capital Projects Listed By Department

Completed projects		Approved Projects (+)		Staff Priority Project **		New Projects (N)	Revised Projects	Council requested (CC)				
Department		Name	Status	Cost 2020	Cost 2021	Master Planned	Funding Sources	Funding Sources	Funding Sources	Anticipated Start Date		
CC-01	City Council	City Entryway		113,000			General Fund					
CC-02	City Council	City Hall Photovoltaic Design-Build	Completed				General Fund			2018		
CC-03	City Council	Expansion of Community Garden (CC)	Follow Up requested by Council for 2022	67,800	140,000		General Fund					
CC-04	City Council	Railing for Stairway between Mono and Sierra Point	Completed				General Fund					
CC-05	City Council	South Hill Drive Sidewalk Extension	Completed				General Fund					
CC-06	City Council	Stairway between Tulare and Santa Clara		400,000			General Fund			2019		
CC-06a	City Council	Stairway between Santa Clara and Alvarado		282,500			General Fund					
CC-06b	City Council	Stairway between Tulare and Santa Clara Design (+)	Revised scope 10/8/20	50,000			General Fund					
CC-07	City Council	Crocker Trail Commuter Connectivity Upgrades (+)	In design	1,000,000			GF - 115,000	Grant				
CC-08	City Council	Crocker Trail Lighting Improvements		500,000			GF - 200,000					
CC-09	City Manager	New Brisbane Library - Construction	Completed	6,702,862			Business License			Spring 2018		
CC-10	DPW-OS&E	Firth Canyon Trail Restoration (+)		50,000			280 South Hill Funds			2020		
DPW-02	DPW-Buildings	Construct Roof Replacement for Fire Station 81	Completed				General Fund					
DPW-03	DPW-OES	Emergency Fuel Supply/Propane Trap Wagons		223,288			General Fund					
DPW-04	DPW-OES	Purchase mobile showers for use when emergency shelter is open		79,100			General Fund					
DPW-05	DPW-OES	Upgrade City Hall standby generator		258,770			General Fund					
DPW-06	DPW-OES	Upgrade Station 81 standby generator	Grant received Council Match pending	190,000			General Fund-25%	HMGP-75%		Fall 2019		
DPW-07	DPW-SD	Channel/conduit Bayshore/Industrial to Tunnel (AA/BB)		7,719,712		Yes	Developer					
DPW-08	DPW-SD	Guadalupe Channel Erosion Control (+)		550,000			Developer					
DPW-09	DPW-SD	New box conduit and detention basin on Bayshore near Industrial (Y)		2,211,664		Yes	Developer					
DPW-10	DPW-SD	SD Pipeline along Valley Dr. from Cypress Ln. to Bankers Ln. (N)		2,453,360		Yes	Developer					
DPW-11	DPW-SD	SD-Eastern Bayshore open channel culverts (U)		1,445,808		Yes	Developer					
DPW-12	DPW-SD	SD-roadway drainage improvements along Tunnel Ave. (X)		877,968		Yes	Developer					
DPW-13	DPW-SD	Upgrade to Brick Arch (BB)		11,399,024		Yes	Developer					
DPW-14	DPW-SD	18"-36" Pipelines in San Benito and San Bruno - Storm Drain (F)		975,520		Yes	General Fund					
DPW-15	DPW-SD	24" - 30" Pipelines in Vistacion Ave. from Sierra point Road to Klamath Storm Dran (G)		901,264		Yes	General Fund					
DPW-16	DPW-SD	30" Pipeline on Bayshore Blvd. - Storm Drain (K)		515,424		Yes	General Fund					
DPW-17	DPW-SD	BMP Modifications to West Hill Place Sediment Basin		55,328		Yes	General Fund					
DPW-18	DPW-SD	Main Street Detention Basin Improvements (W)		677,040		Yes	General Fund					
DPW-19	DPW-SD	New Storm Drainage Master Plan		302,848		Yes	General Fund					
DPW-20	DPW-SD	Pipeline - Park-n-Ride (J)		838,656		Yes	General Fund					
DPW-21	DPW-SD	Replace CMP on North Hill Drive (S), Humboldt Rd (CC), Kings Rd. (DD), Replace SD Humboldt and Solano (D)		248,976		Yes	General Fund					
DPW-22	DPW-SD	SD Culvert Guadalupe Canyon (T,V) and west end of South Hill Dr. (P)		1,482,208		Yes	General Fund					
DPW-23	DPW-SD	SD Pipeline along South Hill Dr. near Valley Drive (Z)		1,100,736		Yes	General Fund					
DPW-24	DPW-SD	SD Pipeline along Valley Dr. from South Hill Drive to Cypress Ln. (M)		1,648,192		Yes	General Fund					
DPW-25	DPW-SD	SD Pipeline for Bayshore Blvd. north of Fire Station (L)		413,504		Yes	General Fund					
DPW-26	DPW-SD	SD Sediment trap and pipeline-parking lot south of Valley Dr. (H)		489,216		Yes	General Fund					
DPW-27	DPW-SD	SD-inlet and grade modifications at Alana Way (EE)		165,984		Yes	General Fund					
DPW-28	DPW-SD	Sediment Trap and Pipeline, Main Street at Bayshore Blvd. (FF)		378,560		Yes	General Fund					
DPW-29	DPW-SD	Storm Drain Pipeline from Visitacion Ave. and San Francisco Ave to Bankers Lane/San Francisco Ave., West of Visitacion Ave./San Bruno Ave. north of Mariposa St. (B,C,E)		2,571,296		Yes	General Fund					
DPW-30	DPW-SD	Vee Ditch Cleaning and Improvements (Q,R)		295,568		Yes	General Fund					
DPW-31	DPW-Sewer	Sierra Point Lift Station Improvements (LS#4) (+)	Construction Phase	512,000		Yes	Developer					
DPW-32	DPW-Sewer	Bayshore Blvd. North - Sewer Replacement		3,887,520		Yes	Utility Fund			2025		
DPW-33	DPW-Sewer	Lift Station Condition Assessment and Hydraulic Evaluation (+)		100,000		Yes	Utility Fund			2024		
DPW-34	DPW-Sewer	New Sewer Master Plan		660,000		Yes	Utility Fund			2025		

Capital Projects Listed By Department

	Completed projects	Approved Projects (+)	Staff Priority Project **	New Projects (N)	Revised Projects	Council requested (CC)				
	Department	Name	Status	Cost 2020	Cost 2021	Master Planned	Funding Sources	Funding Sources	Funding Sources	Anticipated Start Date
DPW-35	DPW-Sewer	Sewer Pipeline Replacements - Priority 1 (+)	Completes 3 of 4 remaining Priority 1 Projects (1. Pipe burst 270LF of existing 6" VCP sewer main w/ 8" HDPE pipe on West Hill Drive; 2. Pipe burst 290LF of existing 6" VCP sewer main w/ 8" HDPE pipe on Upper Bicentennial Walkway; 3. Replace 25LF of existing 6" VCP w/ 8" HDPE with new manhole on Solano.)	330,000		Yes	Utility Fund	Bond		2019
DPW-36	DPW-Sewer	Sewer Pipeline Replacements - Priority 2/3		1,388,800		Yes	Utility Fund			2021
DPW-37	DPW-Sewer	Terminal Manhole Installation		203,280			Utility Fund			2021
DPW-38	DPW-Sewer	Trinity Sewer Replacement		123,200			Utility Fund			2021
DPW-39	DPW-Sewer	Bayshore Blvd. South - 8" Force Main Underground Relcotation	Completed				Utility Fund			
DPW-40	DPW-Sewer	Television Inspection and Evaluation - Sewer	Completed				Utility Fund			
DPW-41	DPW-Streets	Slope Stability for 900 block Humboldt Road	Completed				Disaster Relief	General Fund		
DPW-42	DPW-Streets	Pavement Maintenance Project (Annual)	Funded	300,000			Gas Tax	Measure A		
DPW-43	DPW-Streets	Alley Improvements - Alvarado to San Benito **		350,000	320,000		TDA - \$240K	Gen Fund - \$80K		
DPW-43a	DPW-Streets	Alley Improvements - Alvarado to San Benito (study)	Completed - FY21/22	20,000			General Fund			
DPW-43b	DPW-Streets	Alley Improvements - Sierra Point to Humboldt (study)	Completed	20,000			General Fund			
DPW-43c	DPW-Streets	Improvements to San Benito to Humboldt Walkway (handrails & lighting)	To be completed FY2022-2023		60,000		General Fund			
DPW-44	DPW-Streets	Intersection Improvements at Bayshore/San Bruno	Completed - FY21/22	52,000			General Fund			
DPW-44a	DPW-Streets	Intersection Improvements at Bayshore/San Bruno (Traffic Light)		550,000			General Fund			
DPW-45	DPW-Streets	Slope Stability Analysis - Bayshore at Ice House Hill	Completed				General Fund -C			
DPW-46	DPW-Streets	Controller Upgrades & Replacements		400,000			Grant	Developer	General Fund	
DPW-47	DPW-Streets	Video Detection Upgrade - Phase 2	Completed				Grant	Developer	General Fund	
DPW-48	DPW-Streets	Pedestrian Path - Humboldt Road to Kings Road		420,134			South Hill Land Sale	General Fund		
DPW-48a	DPW-Streets	Pedestrian Path - Humboldt Road to Kings Road - Design		50,000			South Hill Land Sale	General Fund		
DPW-49	DPW-Water	Water Main Installation Aqueduct Zone		1,600,144			Developer			
DPW-50	DPW-Water	Water Storage Tank Installation-Aqueduct Zone		6,500,000		Yes	Developer			
DPW-51	DPW-Water	Crocker Tank Replacement	not needed until 2030	3,753,000		Yes	Utility Fund			
DPW-52	DPW-Water	Extended Period Simulation Hydraulic Analysis		75,000		Yes	Utility Fund			2021
DPW-53	DPW-Water	Glen Park Pump Station Upgrade (+)	Funded	2,600,000		Yes	Utility Fund	Bond		2018
DPW-54	DPW-Water	New Water Master Plan	Completed			Yes	Utility Fund			2025
DPW-55	DPW-Water	North Hill Pump Station Upgrade		1,317,680		Yes	Utility Fund			2024
DPW-56	DPW-Water	PRV Construction and Fire Main on Annis/Line F,G,H,I,J and Annis PRV	Completed			Yes	Utility Fund	Bond		2017
DPW-57	DPW-Water	Pump Station Condition Assessment	New	100,000		Yes	Utility Fund			2024
DPW-58	DPW-Water	SCADA System Replacement (+)	Funded	682,000		Yes	Utility Fund	Bond		2018
DPW-59	DPW-Water	Seismic Studies/Plans		200,000		Yes	Utility Fund			2024
DPW-60	DPW-Water	Water Main Replacement-San Bruno and Trinity		448,000			Utility Fund			2024
DPW-61	DPW-Water	Water Meter AMI Sysetm (+)		1,500,000			Utility Fund	Bond		2020
DPW-62	DPW-Water	Water Pipeline Replacements -Priority 1 (+)	Completes remaining Priority 1 Projects (1. New 6" water main interconnection btw. Mariposa & San Bruno Ave.; 2. Replace existing PRV at Placer with new 10" PRV on Humboldt Road)	500,000		Yes	Utility Fund	Bond		2022
DPW-63	DPW-Water	Water Pipeline Replacements -Priority 2		1,534,400		Yes	Utility Fund			2020
DPW-64	DPW-Water	Water Pipeline Replacements -Priority 3		151,200		Yes	Utility Fund			2021
DPW-65	DPW-Water	Golden Aster Pump Station Upgrade		1,129,856		Yes	Utility Fund			2022
DPW-66	DPW-Streets	Sierra Point Parkway Dip Repairs		40,250			General Fund			2020
DPW-67	DPW-SD	Quarry Road 42" CMP Storm Drain Replacement		364,000			General Fund			2023
DPW-68	DPW- Sewer	Valley Drive Lift Station Rehabilitation		280,000		Yes	Utility Fund			2022
DPW-69	DPW-Water	Water System Enhancement		100,000			Utility Fund			2022
DPW-70	DPW-Streets	Bus Stop improvements Van Water and Rodgers Road		450,000			Grant Funding	General Fund		
DPW-71	DPW-Streets	Guadalupe Canyon Parkway Safety Improvments	Completed				Grant Funding	General Fund		2020
DPW -72	DPW- Water	Water/Sewer Station Backup Power Connection	Completed - FY21/22	33,000			Utility Fund			2020
DPW-73	DPW- Water	Fire Hydrant Maintenance (+)		120,000			Utility Fund			
DPW -74	DPW-Streets	Retaining Wall - 400 Block Kings Road Study	Completed				General Fund			

Capital Projects Listed By Department

	Completed projects	Approved Projects (+)	Staff Priority Project **	New Projects (N)	Revised Projects	Council requested (CC)				
	Department	Name	Status	Cost 2020	Cost 2021	Master Planned	Funding Sources	Funding Sources	Funding Sources	Anticipated Start Date
DPW-74a	DPW-Streets	Retaining Wall - 400 Block Kings Road	Completed				General Fund			
DPW-75	DPW-Streets	18-30 Solano Retaining Wall		230,000			General Fund			
DPW-76	DPW - Park Maintenance	Bay Trail Rodent Removal (+)		21,000			General Fund			
DPW-77	DPW - Park Maintenance	Community Garden Lumber Replacement		50,000			General Fund			
DPW-78	DPW - Open Space	EV Charging Stations at 3 Locations (+)		100,000			General Fund			
DPW-79	DPW - Streets	Investigation of Widening Trinity cul-de-sac		25,000			General Fund			
DPW-80	DPW - Water	Modified Urban Water Management Plan		40,000			Utility Fund			
DPW-81	DPW -Water	Preparation of Risk and Resilience Assessment and Emergency Response Plan for Drinking Water (+)		50,000			Utility Fund			2021
DPW-82	DPW - SD	Provide System Maintenance of Existing Stormdrain Filters	Completed - FY21/22	20,000			General Fund			
DPW-83	DPW - Streets	San Francisco to Old County at Bayshore Walkway Design		45,000			General Fund			
DPW-84a	DPW - Streets	Shared Use Parking Light Standard Replacements (+)		70,000			General Fund			2021
DPW-84b	DPW - Streets	Shared Use Parking Light Standard Replacements **		70,000	70,000		General Fund			2022
DPW-84c	DPW - Streets	Shared Use Parking Light Standard Replacements		70,000			General Fund			2023
DPW-84d	DPW - Streets	Shared Use Parking Light Standard Replacements		70,000			General Fund			2024
DPW-85	DPW - Streets	Shared Use Parking Lot Slurry Seal		180,000			General Fund			
DPW-86	DPW - SD	Update City's FEMA Flood Maps		182,000			General Fund			
DPW-87	DPW - Utilities	BRS Zone 1 Water Tank					Developer			
DPW-88	DPW - Utilities	SPLL Irrigation Retrofits (+)		266,700			Developer			
DPW-89	DPW - Utilities	HET Retrofit Program (+)		76,600			Developer			
DPW-90	DPW - Utilities	Aquifer Injection/Water Banking Investigation (+)		50,000			Developer			
DPW-91	DPW - Streets	Street Light Meters for Visitacion Avenue (+)		50,000			General Fund			
DPW-92	DPW - Streets	San Bruno Retaining Wall at McLain (construction) (N)	To complete 2022-2023		250,000		General Fund			
FIRE-01	Fire	Communication System	completed				General Fund			
FIRE-02	Fire	Fire Station #81 Seismic Retro-Fit		1,000,000			General Fund			2023
FIRE-09	Fire	Upgrading Exhaust System for Fire Apparatus	completed				General Fund			
FIRE-10	Fire	Painting Exterior of Fire Station	Completed - DPW				General Fund			
Fire-11	Fire	Public Safety Apparatus and Equipment Storage **		175,000	175,000		General Fund			
Fire-12	Fire	Polished Concrete Floor in Station 81 Office and Common Area (N)			35,000		General Fund			
Fire-13	Fire	New Carpet in Station 81 Office and Living Side Area (N)	alternative to Polished Concrete Floor		15,000		General Fund			
Fire-14	Fire	New Carpet in Station 81 Dorm Side Area (N)			8,000		General Fund			
Fire-15	Fire	LED Light Upgrade Station 81 (N)			12,000		General Fund			
MARINA-01	Marina	Hand Launch Facility		682,000			Grant			
MARINA-02	Marina	Bathymetric Survey of Marina and Entrance Channel	Completed				Marina			2019
MARINA-03	Marina	Dumpster/Recycling Enclosure		56,500			Marina			
MARINA-04	Marina	Preliminary Design and Cost Estimating for R&R of flotation billets, dock utilities and dock boxes		66,964			Marina Fund			2019
MARINA-05	Marina	Pump-a-Head Replacement	Grant reimbursement received FY20				Grant	Marina		
MARINA-06	Marina	Fishing Pier Improvements (+)		97,500			Marina			
MARINA-07	Marina	Small Boat House	Needed only when hand launch facility is built	242,385			Marina			
MARINA0-9	Marina	Creosote Piling Removal	Completed				Marina			
MARINA-10	Marina	Dock Sections Replacement Project	Completed				Marina			
MARINA-11	Marina	Marina Approach Channel Maintenance Dredging	Completed				Marina			
MARINA-12	Marina	Marina Maintenance Dredging	Completed				Marina			
MARINA-14	Marina	North and South Boater Restrooms	Completed				Marina Fund			
MARINA-15	Marina	North and South Public Restrooms	Completed				Marina Fund			
MARINA-16	Marina	Replace Promenade Lights	Completed				Marina Fund			
MARINA-17	Marina	Wooden Component Dock Maintenance Project	Complete	78,000			Marina Fund			
MARINA-18	Marina	Paint Marina Office and Bathroom Buildings		106,000			Marina Fund			
MARINA-19	Marina	Marina Bathroom Building 1 (N)	To be completed FY2021-2022		25,000		General Fund			
PR-01	Parks and Recreation	All-Weather Volleyball Court - Lipman	School District did this on it's own				School District			
PR-02	Parks and Recreation	Community Park - Installation of Bocce Ball Courts	Combined with PR 28	50,000			General Fund			
PR-03	Parks and Recreation	Dog Park Lighting (+)		10,000			General Fund			
PR-04	Parks and Recreation	Electronic Signboards @ Community Park and Mission Blue	Completed - FY21/22	80,000			General Fund			
PR-05	Parks and Recreation	Full Size Soccer Field Construction	Not a Current Request	1,300,000			General Fund			

Capital Projects Listed By Department

	Completed projects	Approved Projects (+)	Staff Priority Project **	New Projects (N)	Revised Projects	Council requested (CC)				
	Department	Name	Status	Cost 2020	Cost 2021	Master Planned	Funding Sources	Funding Sources	Funding Sources	Anticipated Start Date
PR-07	Parks and Recreation	Modular Addition - Brisbane Elementary School	Completed				General Fund	County	School District	
PR-08	Parks and Recreation	Quarry Road Lighting (+)		40,000			General Fund			
PR-10	Parks and Recreation	Turf Renovatation - B.E.S. Lower Athletic Field		2,200,000			General Fund			
PR-11	Parks and Recreation	Turf Renovation – Lipman Athletic Field		2,200,000			General Fund			
PR-12	Parks and Recreation	Community Center Park Renovation	Completed				General Fund -C			
PR-13	Parks and Recreation	Restroom & Storage Buildings Installation – Lipman School Athletic Field		150,000			General Fund			
PR-15	Parks and Recreation	Restroom and Storage Buildings Installation - Brisbane Elementary School	Completed				State Bond	General Fund		
PR-16	Parks and Recreation	Master Plan for Guadalupe Valley Trail (Crocker Trail)	Completed - FY21/22				South Hill Land Sale			2019
PR-17	Parks and Recreation	Sound System Replacement at the Community Center					Donated			
PR-18	Parks and Recreation	Mission Blue - Preliminary Design Consultant (+)		45,000			General Fund			
PR-19	Parks and Recreation	Library / Comm Ctr Spatial Analysis & Design Consultant (+)		45,000			General Fund			
PR-20	Parks and Recreation	Lipman Tennis Court Resurfacing		60,000			General Fund			
PR-21	Parks and Recreation	Lipman Tennis Court Lighting		120,000			General Fund			
PR-22	Parks and Recreation	Turf Renovation - Mission Blue Field		2,200,000			General Fund			
PR-23	Parks and Recreation	Mission Blue Sports Complex Amenities		20,000			General Fund			
PR-24	Parks and Recreation	Heat Pump Water Heating System for Community Pool **	Discuss again for FY21/22 winter review	50,000	180,000		General Fund			late 2022
PR-25	Parks and Recreation	New Tables for Community Pool		20,000			General Fund			
PR-26	Parks and Recreation	Sunrise Room Window Coverings		10,000			General Fund			
PR-27	Parks and Recreation	Bankshot Basketball Court		100,000			General Fund			
PR-28	Parks and Recreation	Sport Court Installation at Community Park		50,000			General Fund			
PR-29	Parks and Recreation	Community Park Playground Resurfacing **			226,046		State grant - \$180.8K	GF 20% match - \$45.2K		
PD-01	Police	Police Radio System Replacement with Encryption		177,831			General Fund			2023

C.

File Attachments for Item:

C. Discuss Capital Project Charges



CITY COUNCIL INFRASTRUCTURE SUBCOMMITTEE AGENDA REPORT

Meeting Date: 3/28/2022

From: Stuart Schillinger, Assistant City Manager

Subject: Review projected water and sewer rate increases

Community Goal/Result

Community Prudent

Safe Community

Ecological Sustainability

Purpose

Ensure the City's water and sewer rates reflect the full cost of providing clean water and effective wastewater disposal to the various users while encouraging conservation of resources.

Recommendation

Provide feedback regarding potential rate increases for operations and capital projects.

Background

On August 13, 2001, the City Council discussed Ordinance No. 458, which set the process for determining future water and sewer rate increases.

Subsequent to passing Ordinance No. 458, the California Supreme Court ruled that water and sewer charges are property related and subject to Proposition 218, the Right to Vote on Taxes Act. As such, we are required to notify property owners regarding any increase and hold a public hearing at least 45 days later to allow time for community input. As a courtesy to our customers, we also notify renters of the forthcoming change in rates.

The last rate study the City had performed was in 2000. The City hired FCSG and Carollo Engineers to complete a rate structure study and Capital Improvement Plan. The City has been working from this rate study for the last twenty years. The City has taken the rates recommended in the Plan and adopted them based on need. The last operational rate increase went into effect in 2012. Additionally, the City has implemented its first capital improvement charge to pay for bonds issued in 2015. This was the first of an anticipated series of Capital Rate Charges in order to pay for the water and wastewater Capital Improvement Plan. The plan is to sell bonds approximately every five years over 20 years. The bonds would have a duration

Review projected water and sewer rate increases

of 20 years so after 20 years there will be a set Capital Charge that will only be reviewed to ensure it can continue to pay for the necessary Capital Improvements.

A drought reserve charge was implemented in 2019. This would ensure that during a drought the City would not need to raise rates as customers lowered their water usage as other water providers do.

Since 2012 the amount we have paid for water has increased from \$2.69 per unit to \$4.50 per unit, an increase of 67%. Wastewater treatment has gone from \$4.81 per unit to 11.63 per unit, an increase of 242%. The City has been able to keep operational rates constant due to an increase in usage among users and the use of one-time revenue sources (i.e. Connection fees).

In April 2021 the City retained the firm Lechowicz and Tseng to review the City's operational water and sewer rates.

Discussion

Water and Sewer rates to pay for the operations of the system

Currently the City's water and sewer bill has a number of lines:

- Water Service Charge – This is the charge for having a meter connected to the system and for the City to ensure that we have enough treated water available to provide the full capacity of that meter and all other meters at any given time.
- Water Usage – This is based on the number of units of water used during the billing period (Billing is every two months). 1 unit equals 100 cubic ft. of water or approximately 748 gallons
- Sewer Charge – For residential customers it is based on the average water usage from October through January. It changes every April. For commercial customers it is based on the actual water used during the billing period.
- Capital Project Charge – This is to pay for capital projects. The current charge is for the repayment of the 2015 water and sewer bonds. It is anticipated that this charge will be increased every 5 years between 2015 and 2035. City Council previously approved a plan to create a 20 year capital project plan paid for by the Capital Project Charge. Overtime the Capital Project Charge will get to a rate which will provide a source of funding for Capital Projects without a need for large increases. The charge is based on the amount of water used between February and June.
- Drought Contingency Fund – This charge was adopted on February 1, 2018. It was set to create a reserve fund to cover loss of revenue during a drought. Traditionally, utilities have increased rates during droughts since lower water usage, due to customers conserving water, results in lower revenues but often not as large of a decrease in costs. The reason for this is approximately 70% of our costs are fixed but 70% of revenue is

dependent on water usage. The City anticipates that the Drought Reserve will be fully funded by 2025 if a drought does not occur.

Lechowicz and Tseng reviewed the City's Water Service Charge, Water Usage, and Sewer Charge. The firm reviewed the City's rates, usage and revenue produced from the rates. Their analysis showed that for FY 2020/21 and FY 2021/22 the Utility Fund was operating at a loss. The City used fund balance to cover these losses. However, in the long term the Utility Fund should be able to operate at least at a breakeven and possibly at net positive.

There are two reasons the Utility Fund has operated at a net loss over the past two years. First, there has been a decrease of water usage among our commercial accounts due to COVID. Many of our main users had a reduction in their water usage. Six of largest 25 users in 2018/19 reduced their water usage by 12,300 units during 2019/20. Additionally, the cost wastewater treatment has increased. For wastewater treatment the cost per unit has increased from \$7.26 per unit in 2019/20 to \$11.63 in 2021/22. This is an increase of 60% in two years.

This means it is time for the City to look at increasing its rates for both water and wastewater. One proposal from our consultant is to increase the base charge for water service from \$22.67 to \$33.52 for 5/8th inch meters (the prevalent meter for residential and small business use). This will help the City move from a variable rate for water usage to a fixed so that we will not be as impacted by reduced water usage in the future. This is an increase of 50% in the first year and the proposal is 8% each year thereafter through 2026/27. In 2026/27 the charge would be \$46.38.

The proposal is also to reduce the number of tiers of charges for water users. The reason for this is to ensure that users are not subsidizing other users. State law over the past 20 years has been interpreted by the courts to be more strict on the use of tier rates and using them to allow smaller users to pay less of the cost of the overall system. Therefore, the proposal is to reduce the number of tiers from 6 to 2. By reducing the number of tiers the cost for lower water users will increase.

Since the cost of wastewater treatment has increased so dramatically over the years the increase needed for sewer is higher. The proposal is to decrease the flat charge in the first year by 8% but increase it by 23% each year through 2026/27. The proposal for the variable charge is to combine both tiers into one and increase the variable charge to \$9.90 for each unit used and then increase it by 23% for each year through 2026/27. The flat charge would range from \$53.69 in FY 2022/23 to \$147.60 in FY 2026/27. The Variable Charge would range from \$9.90 in 2022/23 to \$22.42 in 2026/27.

If this proposal is approved by City Council, we would probably still reduce our cash reserves for fiscal years 2022/23 and 2023/24. We would begin to add back to our cash reserves modestly

in 2024/25 and begin to see a replenishment of reserves in 2026/27. The next section discussing the Capital Charge will explain the need to have revenues in excess of costs.

Capital Charge

As explained earlier the City Council in 2015 set a policy to develop a self-funding source for capital projects. The policy is to allow for approximately \$5,000,000 of capital projects to be done every five years to ensure the continued integrity of the City's water and wastewater system. The City will charge a Capital Charge on the bill for each new \$5,000,000 worth of projects. In 2015 the City instituted the first of four such charges. It is time for the City to place the second one on the bill. It is anticipated that there will be two more equal charges in 2025 and 2030. In 2035 when the next round of Capital Projects would be funded the first bond would be paid off and either no increase in the Capital Charge would be needed or only a minor one to cover the cost of inflation to do the necessary projects. The current Capital Charge is tiered based. The charge ranges from \$10.00 a billing period for new usage to \$65.00 a billing period for usage above 40 units. The usage is based on the average water used between February and June. This charge raises approximately \$360,000 a year.

The proposal is to place the second charge on the bill which would be a 100% increase in this charge. Originally, staff wanted to bring forward a bond issue which this charge would be used to pay off. However, with the loss over the last two years and the anticipated deficit over the next couple of years it may not be possible for the City to issue bonds. The reason for this is one the requirements of our existing bonds is that we need revenue of 125% of our operating expenses before we can issue additional bonds. According to projections from our consultant this will occur in 2025/26. In the meantime the City will continue to work on the projects approved in the latest CIP and will use the Capital Charge to repay ourselves our cash outlay. If we are able to issue bonds at that time we would use the Capital Charge to pay the loan payments.

Low Income Rate Assistance Program

The City offers all users who are enrolled in the PG&E CARE program the ability to be enrolled in the City's Low Income Rate Assistance (LIRA) Program. Over the years the percentage reduction in rates has increased. As the City Council increased rates it determined it did not want to increase water and sewer rates on low-income individuals. However, there is no LIRA reduction for either the Capital Charge or Drought Contingency Charge. The reason for this is an absolute dollar amount was being raised by these rates. The decrease in revenue due to the LIRA program is offset by the City's General Fund. This is because, according to State Law, users can not offset the cost for other users. Currently, the City spends approximately \$40,000 a year from the General Fund for the LIRA program. The current reductions are as follows:

Water Service 36.75% discount

Review projected water and sewer rate increases

Water Use 49.90% discount
 Sewer 42.40% discount
 Fire Service 36.75% discount

If the City Council wishes to allocate the same dollar amount in the future then a discount of 25% on the bill would do this. If the Council wishes to allocate additional General Fund dollars to this program it can increase the amount of the discount. Staff would recommend setting a flat discount rate for the bill instead of different discount rates for each type service.

Fiscal Impact

	Current Bill	Proposed Rates
4 units	Water Charge - \$22.67 Water Usage – \$14.80 Sewer Charge - \$80.11 Drought Reserve -\$2.32 Capital Charge - \$20.00 Total \$139.90	Water Charge - \$33.52 Water Usage - \$23.37 Sewer Charge -\$103.29 Drought Reserve -\$2.32 Capital Charge - \$40.00 Total \$202.50
10 units	Water Charge - \$22.67 Water Usage - \$60.18 Sewer Charge - \$106.67 Drought Reserve \$2.32 Capital Charge \$35.00 Total \$226.84	Water Charge-\$33.52 Water Usage - \$70.11 Sewer Charge - \$162.70 Drought Reserve -\$2.32 Capital Charge - \$70.00 Total \$338.65
20 units	Water Charge - \$22.67 Water Usage - \$ 170.68 Sewer Charge - \$183.27 Drought Reserve \$6.99 Capital Charge \$50.00 Total\$433.61	Water Charge- \$33.52 Water Usage - \$191.11 Sewer Charge - \$261.71 Drought Reserve - \$6.99 Capital Charge - \$100.00 Total \$593.33
100 units irrigation – 2 inch meter	Water Charge – \$92.47 Water Usage -\$1,225.46 Sewer Charge \$0 Drought Reserve \$102.14 Capital Charge \$65.00 Total \$1,485.07	Water Charge - \$89.42 Water Usage - \$986.20 Sewer Charge - \$0 Drought Reserve - \$102.14 Capital Charge - \$130.00 Total \$1,307.76

Measure of Success

The City is able to provide clean-safe drinking water and effectively disposes of wastewater as economically as possible while being financially sustainable.

Stuart Schillinger

Stuart Schillinger, Assistant City Manager

Clayton L. Holstine

Clay Holstine, City Manager

Attachment

Combined Water and Sewer Cash Flow

Sample Combined Utility Bill Impacts

Bimonthly Water Bill Survey

Water Cash Flow Projection

Proposed Bimonthly Water Rates

Sample Water Bill Impacts

Bimonthly Sewer Bill Survey

Sewer Cash Flow Projection

Proposed Bi-Monthly Sewer Rates

Sample Sewer Bill Impacts

Table 2: Combined Water and Sewer Cash Flow Projection (Water Rate Annual Increases = 9%, Sewer Rate Annual Increases = 24%)
City of Brisbane
Water & Sewer Utility Rate Study 2021

DRAFT 3/9/22

	Approved 2020/21	Budget 2021/22	Years 1 -5: Proposition 218					Years 6 - 10: Extended Projection				
			2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32
1 BEGINNING FUND BALANCE	\$9,263,376	\$8,436,746	\$7,354,943	\$5,784,911	\$4,618,568	\$3,973,411	\$4,018,943	\$4,941,261	\$6,390,855	\$7,733,268	\$8,945,589	\$9,996,233
2												
3 REVENUES												
4 Water Sales	2,750,000	3,000,000	3,270,000	3,564,000	3,885,000	4,235,000	4,616,000	4,939,000	5,285,000	5,655,000	6,051,000	6,475,000
5 Sewer Service Charges	2,000,000	2,000,000	2,480,000	3,075,000	3,813,000	4,728,000	5,863,000	6,156,000	6,464,000	6,787,000	7,126,000	7,482,000
6 Drought Reserve Charge	100,000	100,000	100,000	100,000	100,000	100,000	100,000	0	0	0	0	0
7 Capital Charge (1)	365,000	365,000	665,000	665,000	665,000	665,000	665,000	665,000	665,000	665,000	665,000	665,000
8 Investment Earnings	50,000	50,000	51,000	52,000	53,000	54,000	55,000	56,000	57,000	58,000	59,000	60,000
9 Account Open/Reconnection Fees	3,000	3,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
10 Late Payment Charges	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
11 Sewer & Meter Connection Fees	23,000	23,000	25,000	27,000	29,000	31,000	34,000	36,000	38,000	40,000	43,000	46,000
12 Fire Service Charges	115,000	115,000	125,000	136,000	148,000	161,000	175,000	187,000	200,000	214,000	229,000	245,000
13 Altamar Meter Reading Fee	7,500	7,500	8,000	9,000	10,000	11,000	12,000	13,000	14,000	15,000	16,000	17,000
14 Transfers from Other Funds	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000
15 Less: Low Income Rate Assistance	(75,000)	(75,000)	(75,000)	(75,000)	(75,000)	(75,000)	(75,000)	(75,000)	(75,000)	(75,000)	(75,000)	(75,000)
16 Total Revenues	5,423,500	5,673,500	6,738,000	7,642,000	8,717,000	9,999,000	11,534,000	12,066,000	12,737,000	13,448,000	14,203,000	15,004,000
17												
18 EXPENSES												
19 <u>Operating & Maintenance</u>												
20 Salaries	914,061	949,583	987,000	1,027,000	1,068,000	1,110,000	1,154,000	1,200,000	1,248,000	1,298,000	1,350,000	1,404,000
21 Payroll Taxes	12,785	13,300	13,000	13,000	13,000	13,000	13,000	13,000	13,000	13,000	13,000	13,000
22 Benefits	447,307	523,326	544,000	566,000	589,000	613,000	637,000	663,000	689,000	717,000	745,000	775,000
23 Insurance	109,818	110,225	121,000	127,000	133,000	140,000	147,000	154,000	162,000	170,000	179,000	188,000
24 Supplies and Services	3,254,282	3,585,356	4,042,000	4,446,000	4,891,000	5,380,000	5,918,000	6,510,000	7,161,000	7,877,000	8,665,000	9,531,000
25 <u>Admin Charges and Credit</u>	881,564	936,825	969,000	1,003,000	1,038,000	1,075,000	1,113,000	1,152,000	1,192,000	1,233,000	1,276,000	1,321,000
26 Subtotal O&M	5,619,818	6,118,616	6,676,000	7,182,000	7,732,000	8,331,000	8,982,000	9,692,000	10,465,000	11,308,000	12,228,000	13,232,000
27												
28 Net Operating Revenue	(196,318)	(445,116)	62,000	460,000	985,000	1,668,000	2,552,000	2,374,000	2,272,000	2,140,000	1,975,000	1,772,000
29												
30 Debt Service												
31 2015 Utility Bonds	630,313	636,688	632,031	626,344	630,156	622,469	629,681	624,406	629,588	627,678	624,356	635,813
32 New Bonds (2)	0	0	0	0	0	0	0	300,000	300,000	300,000	300,000	300,000
33 Subtotal Debt Service	630,313	636,688	632,031	626,344	630,156	622,469	629,681	924,406	929,588	927,678	924,356	935,813
34												
35 Capital Projects	0	0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	0	0	0	0	0
36												
37 Total Expenses	6,250,130	6,755,303	8,308,031	8,808,344	9,362,156	9,953,469	10,611,681	10,616,406	11,394,588	12,235,678	13,152,356	14,167,813
38												
39 Total Net Revenues	(826,630)	(1,081,803)	(1,570,031)	(1,166,344)	(645,156)	45,531	922,319	1,449,594	1,342,413	1,212,322	1,050,644	836,188
40												
41 ENDING FUND BALANCE	8,436,746	7,354,943	5,784,911	4,618,568	3,973,411	4,018,943	4,941,261	6,390,855	7,733,268	8,945,589	9,996,233	10,832,421
42												
43												
44 Reserve Funds												
45 Operating Reserve Target (25% of O&M)	1,405,000	1,529,700	1,669,000	1,795,500	1,933,000	2,082,800	2,245,500	2,423,000	2,616,300	2,827,000	3,057,000	3,308,000
46 Drought Reserve (\$700,000?)	347,499	447,499	547,499	647,499	747,499	847,499	947,499	947,499	947,499	947,499	947,499	947,499
47 Total Water Reserves	1,752,499	1,977,199	2,216,499	2,442,999	2,680,499	2,930,299	3,192,999	3,370,499	3,563,799	3,774,499	4,004,499	4,255,499
48 Target Met?	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
49												
50 Debt Service Coverage - 1.25x (3)	-0.31	-0.70	0.10	0.73	1.56	2.68	4.05	2.57	2.44	2.31	2.14	1.89
51 Target Met?	no	no	no	no	yes	yes	yes	yes	yes	yes	yes	yes
52												

1 - Assumes Capital Charge will increase in 2022/23

2 - Estimated new debt service

2 - Net Operating Revenue divided by Total Debt Service

Table 3: Sample Combined Utility Bill Impacts
City of Brisbane
Water & Sewer Utility Rate Study 2021

	Bimonthly Use (ccf)	Current Bill	Proposed				
			2022/23	2023/24	2024/25	2025/26	2026/27
Residential: 5/8" meter, 4 ccf							
Water Bill	4	\$37.47	\$56.89	\$61.57	\$66.65	\$72.14	\$78.08
Sewer Bill	4	<u>\$80.11</u>	<u>\$103.29</u>	<u>\$127.15</u>	<u>\$156.53</u>	<u>\$192.71</u>	<u>\$237.29</u>
Total Utility Bill		\$117.58	\$160.18	\$188.72	\$223.18	\$264.85	\$315.37
\$ Change			\$42.60	\$28.54	\$34.46	\$41.67	\$50.52
% Change			36.2%	17.8%	18.3%	18.7%	19.1%
Residential: 5/8" meter, 10 ccf							
Water Bill	10	\$82.85	\$103.63	\$112.01	\$121.09	\$130.89	\$141.49
Sewer Bill	10	<u>\$106.67</u>	<u>\$162.70</u>	<u>\$200.01</u>	<u>\$245.90</u>	<u>\$302.35</u>	<u>\$371.81</u>
Total Utility Bill		\$189.52	\$266.33	\$312.02	\$366.99	\$433.25	\$513.30
\$ Change			\$76.81	\$45.69	\$54.97	\$66.25	\$80.06
% Change			40.5%	17.2%	17.6%	18.1%	18.5%
Residential: 5/8" meter, 20 ccf							
Water Bill	20	\$193.35	\$224.63	\$242.58	\$262.01	\$282.99	\$305.63
Sewer Bill	20	<u>\$183.27</u>	<u>\$261.71</u>	<u>\$321.44</u>	<u>\$394.86</u>	<u>\$485.08</u>	<u>\$596.03</u>
Total Utility Bill		\$376.62	\$486.34	\$564.02	\$656.86	\$768.07	\$901.65
\$ Change			\$109.72	\$77.68	\$92.85	\$111.21	\$133.58
% Change			29.1%	16.0%	16.5%	16.9%	17.4%

IRRIGATION - WATER BILL ONLY

Irrigation: 2" meter, 100 hcf							
Total Water Bill	100	\$1,317.93	\$1,075.62	\$1,150.76	\$1,231.35	\$1,317.61	\$1,409.81
\$ Change			-\$242.31	\$75.15	\$80.58	\$86.26	\$92.20
% Change			-18.4%	7.0%	7.0%	7.0%	7.0%

Table 5: Bimonthly Water Bill Survey
City of Brisbane
Water Utility Rate Study 2021

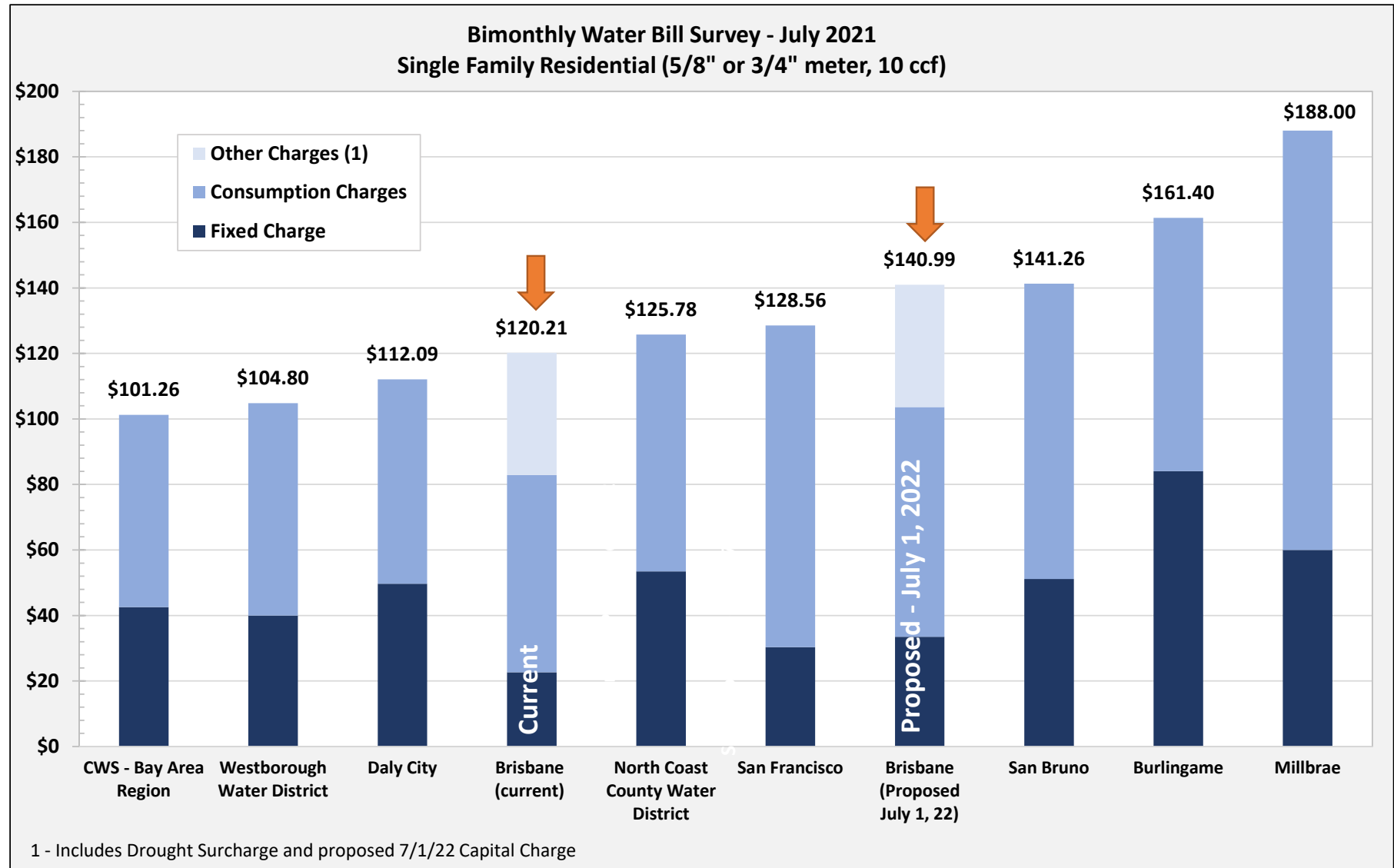


Table 6: Scenario 3: 9% Annual Rate Increases - Water Cash Flow Projection
City of Brisbane
Water Utility Rate Study 2021

DRAFT - 3/9/22

	Approved 2020/21	Budget 2021/22	Years 1 -5: Proposition 218					Years 6 - 10: Extended Projection				
			2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32
1 Overall Revenue Adjustment			9.0%	9.0%	9.0%	9.0%	9.0%	7.0%	7.0%	7.0%	7.0%	7.0%
2 Rate Increase Effective			Jul 1, 2022	Jul 1, 2023	Jul 1, 2024	Jul 1, 2025	Jul 1, 2026	Jul 1, 2027	Jul 1, 2028	Jul 1, 2029	Jul 1, 2030	Jul 1, 2031
3												
4 BEGINNING FUND BALANCE	\$4,631,688	\$4,667,376	\$4,822,570	\$4,597,070	\$4,438,570	\$4,349,070	\$4,340,570	\$4,414,070	\$4,737,570	\$5,049,070	\$5,344,570	\$5,615,070
5												
6 REVENUES												
7 Water Sales	2,750,000	3,000,000	3,270,000	3,564,000	3,885,000	4,235,000	4,616,000	4,939,000	5,285,000	5,655,000	6,051,000	6,475,000
8 Meter Connection Fees	20,000	20,000	22,000	24,000	26,000	28,000	31,000	33,000	35,000	37,000	40,000	43,000
9 Fire Service Charges	115,000	115,000	125,000	136,000	148,000	161,000	175,000	187,000	200,000	214,000	229,000	245,000
10 Altamar Meter Reading Fee	7,500	7,500	8,000	9,000	10,000	11,000	12,000	13,000	14,000	15,000	16,000	17,000
11 Drought Reserve Charge	100,000	100,000	100,000	100,000	100,000	100,000	100,000	0	0	0	0	0
12 Capital Charge (1)	182,500	182,500	332,500	332,500	332,500	332,500	332,500	332,500	332,500	332,500	332,500	332,500
13 Investment Earnings	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
14 Account Open/Reconnection Fees	1,500	1,500	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
15 Late Payment Charges	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
16 Transfers from Other Funds	37,500	37,500	37,500	37,500	37,500	37,500	37,500	37,500	37,500	37,500	37,500	37,500
17 Less: Low Income Rate Assistance	(37,500)	(37,500)	(37,500)	(37,500)	(37,500)	(37,500)	(37,500)	(37,500)	(37,500)	(37,500)	(37,500)	(37,500)
18 Total Revenues	3,206,500	3,456,500	3,889,500	4,197,500	4,533,500	4,899,500	5,298,500	5,536,500	5,898,500	6,285,500	6,700,500	7,144,500
19												
20 EXPENSES												
21 <u>Operating & Maintenance</u>												
22 Salaries	480,120	499,125	519,000	540,000	562,000	584,000	607,000	631,000	656,000	682,000	709,000	737,000
23 Payroll Taxes	6,836	7,112	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000
24 Benefits	238,005	277,746	289,000	301,000	313,000	326,000	339,000	353,000	367,000	382,000	397,000	413,000
25 Insurance	58,719	58,938	65,000	68,000	71,000	75,000	79,000	83,000	87,000	91,000	96,000	101,000
26 Supplies and Services	1,635,767	1,666,998	1,932,000	2,125,000	2,338,000	2,572,000	2,829,000	3,112,000	3,423,000	3,765,000	4,142,000	4,556,000
27 Admin Charges and Credit	436,209	473,044	487,000	502,000	517,000	533,000	549,000	565,000	582,000	599,000	617,000	636,000
28 Subtotal O&M	2,855,656	2,982,962	3,299,000	3,543,000	3,808,000	4,097,000	4,410,000	4,751,000	5,122,000	5,526,000	5,968,000	6,450,000
29												
30 Net Operating Revenue	350,844	473,538	590,500	654,500	725,500	802,500	888,500	785,500	776,500	759,500	732,500	694,500
31												
32 Debt Service												
33 2015 Utility Bonds (2)	315,156	318,344	316,000	313,000	315,000	311,000	315,000	312,000	315,000	314,000	312,000	318,000
34 New Bonds	0	0	0	0	0	0	0	150,000	150,000	150,000	150,000	150,000
35 Subtotal Debt Service	315,156	318,344	316,000	313,000	315,000	311,000	315,000	462,000	465,000	464,000	462,000	468,000
36												
37 Capital Projects	0	0	500,000	500,000	500,000	500,000	500,000	0	0	0	0	0
38												
39 Total Expenses	3,170,812	3,301,305	4,115,000	4,356,000	4,623,000	4,908,000	5,225,000	5,213,000	5,587,000	5,990,000	6,430,000	6,918,000
40												
41 Total Net Revenues	35,688	155,195	(225,500)	(158,500)	(89,500)	(8,500)	73,500	323,500	311,500	295,500	270,500	226,500
42												
43 ENDING FUND BALANCE	4,667,376	4,822,570	4,597,070	4,438,570	4,349,070	4,340,570	4,414,070	4,737,570	5,049,070	5,344,570	5,615,070	5,841,570
44												
45 Reserve Funds												
46 Operating Reserve Target (25% of O&M)	713,900	745,700	824,800	885,800	952,000	1,024,300	1,102,500	1,187,800	1,280,500	1,381,500	1,492,000	1,612,500
47 Drought Reserve (\$700,000?)	347,499	447,499	547,499	647,499	747,499	847,499	947,499	947,499	947,499	947,499	947,499	947,499
48 Total Water Reserves	1,061,399	1,193,199	1,372,299	1,533,299	1,699,499	1,871,799	2,049,999	2,135,299	2,227,999	2,328,999	2,439,499	2,559,999
49 Target Met?	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
50												
51 Debt Service Coverage - 1.25x (3)	1.11	1.49	1.87	2.09	2.30	2.58	2.82	1.70	1.67	1.64	1.59	1.48
52 Target Met?	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
53												
54												

1 - Assumes Capital Charge will increase in 2022/23

2 - Total debt service for New Bonds is estimated at \$300,000 and is split evenly with the Sewer Utility.

3 - Net Operating Revenue divided by Total Debt Service

Table 7: Scenario 3: 9% Annual Rate Increases - Proposed Bimonthly Water Rates
City of Brisbane
Water Utility Rate Study 2021

	PROJECTED - RATE STUDY PERIOD				
	2022/23	2023/24	2024/25	2025/26	2026/27
FIXED CHARGES					
<u>Meter Size</u>					
5/8"	\$33.52	\$36.35	\$39.43	\$42.76	\$46.38
3/4"	\$33.52	\$36.35	\$39.43	\$42.76	\$46.38
1"	\$42.12	\$45.68	\$49.54	\$53.73	\$58.27
1-1/2"	\$63.62	\$68.99	\$74.83	\$81.14	\$88.01
2"	\$89.42	\$96.97	\$105.17	\$114.04	\$123.69
3"	\$158.22	\$171.59	\$186.07	\$201.78	\$218.83
4"	\$235.62	\$255.53	\$277.09	\$300.48	\$325.87
6"	\$450.62	\$488.69	\$529.93	\$574.64	\$623.21
CONSUMPTION CHARGES (per ccf)					
<u>Residential (Usage over 1 ccf)</u>					
Tier 1: 1- 10 ccf	\$7.79	\$8.41	\$9.07	\$9.79	\$10.57
Tier 2: Over 10 ccf	\$12.10	\$13.06	\$14.09	\$15.21	\$16.41
Commercial (Usage over 1 ccf)	\$10.62	\$11.35	\$12.01	\$12.71	\$13.45
Irrigation (Usage over 1 ccf)	\$10.17	\$10.86	\$11.61	\$12.41	\$13.26

Table 8: Scenario 3: 9% Annual Rate Increases - Sample Water Bill Impacts
City of Brisbane
Water Utility Rate Study 2021

RESIDENTIAL BILL IMPACTS - 5/8" METER

	Bimonthly Use (ccf)	Current Bill	Proposed				
			2022/23	2023/24	2024/25	2025/26	2026/27
Residential: 5/8" meter, 4 ccf							
Fixed Meter Charge - 5/8"		\$22.67	\$33.52	\$36.35	\$39.43	\$42.76	\$46.38
Consumption Charge							
Tier 1: 0 - 1 ccf	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Tier 2: 2 - 3 ccf	1	\$2.17	\$7.79	\$8.41	\$9.07	\$9.79	\$10.57
Tier 3: 3 ccf	1	\$5.63	\$7.79	\$8.41	\$9.07	\$9.79	\$10.57
Tier 4: 4 - 8 ccf	1	\$7.00	\$7.79	\$8.41	\$9.07	\$9.79	\$10.57
Tier 5: 9 - 16 ccf	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Tier 6: Over 16 ccf	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Subtotal Consumption Charge	4	\$14.80	\$23.37	\$25.22	\$27.22	\$29.38	\$31.70
Total Bimonthly Water Bill		\$37.47	\$56.89	\$61.57	\$66.65	\$72.14	\$78.08
\$ Change			\$19.42	\$4.68	\$5.08	\$5.49	\$5.95
% Change			51.8%	8.2%	8.2%	8.2%	8.2%
Residential: 5/8" meter, 10 ccf							
Fixed Meter Charge - 5/8"		\$22.67	\$33.52	\$36.35	\$39.43	\$42.76	\$46.38
Consumption Charge							
Tier 1: 0 - 1 ccf	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Tier 2: 2 - 3 ccf	1	\$2.17	\$7.79	\$8.41	\$9.07	\$9.79	\$10.57
Tier 3: 3 ccf	1	\$5.63	\$7.79	\$8.41	\$9.07	\$9.79	\$10.57
Tier 4: 4 - 8 ccf	5	\$35.00	\$38.95	\$42.03	\$45.37	\$48.96	\$52.84
Tier 5: 9 - 16 ccf	2	\$17.38	\$15.58	\$16.81	\$18.15	\$19.59	\$21.14
Tier 6: Over 16 ccf	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Subtotal Consumption Charge	10	\$60.18	\$70.11	\$75.66	\$81.66	\$88.13	\$95.11
Total Bimonthly Water Bill		\$82.85	\$103.63	\$112.01	\$121.09	\$130.89	\$141.49
\$ Change			\$20.78	\$8.38	\$9.08	\$9.81	\$10.60
% Change			25.1%	8.1%	8.1%	8.1%	8.1%
Residential: 5/8" meter, 20 ccf							
Fixed Meter Charge - 5/8"		\$22.67	\$33.52	\$36.35	\$39.43	\$42.76	\$46.38
Consumption Charge							
Tier 1: 0 - 1 ccf	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Tier 2: 2 - 3 ccf	1	\$2.17	\$7.79	\$8.41	\$9.07	\$9.79	\$10.57
Tier 3: 3 ccf	1	\$5.63	\$7.79	\$8.41	\$9.07	\$9.79	\$10.57
Tier 4: 4 - 8 ccf	5	\$35.00	\$38.95	\$42.03	\$45.37	\$48.96	\$52.84
Tier 5: 9 - 16 ccf	2	\$17.38	\$15.58	\$16.81	\$18.15	\$19.59	\$21.14
Tier 6: Over 16 ccf	10	\$110.50	\$121.00	\$130.57	\$140.92	\$152.09	\$164.14
Subtotal Consumption Charge	20	\$170.68	\$191.11	\$206.23	\$222.58	\$240.23	\$259.25
Total Bimonthly Water Bill		\$193.35	\$224.63	\$242.58	\$262.01	\$282.99	\$305.63
\$ Change			\$31.28	\$17.95	\$19.43	\$20.98	\$22.64
% Change			16.2%	8.0%	8.0%	8.0%	8.0%

IRRIGATION BILL IMPACTS

	Monthly Use (ccf)	Current Bill	Proposed				
			2022/23	2023/24	2024/25	2025/26	2026/27
Irrigation: 2" meter, 100 ccf							
Fixed Meter Charge - 2"		\$92.47	\$89.42	\$96.97	\$105.17	\$114.04	\$123.69
Consumption Charge							
Tier 1: 0 - 8 ccf	8	\$41.42	\$71.17	\$76.05	\$81.27	\$86.86	\$92.81
Tier 2: 9 - 16 ccf	16	\$181.60	\$152.51	\$162.96	\$174.15	\$186.12	\$198.88
Tier 3: Over 16 ccf	76	<u>\$1,002.44</u>	<u>\$762.53</u>	<u>\$814.79</u>	<u>\$870.76</u>	<u>\$930.59</u>	<u>\$994.42</u>
Subtotal Consumption Charge	100	\$1,225.46	\$986.20	\$1,053.79	\$1,126.18	\$1,203.57	\$1,286.12
Total Bimonthly Water Bill		\$1,317.93	\$1,075.62	\$1,150.76	\$1,231.35	\$1,317.61	\$1,409.81
\$ Change			(\$242.31)	\$75.15	\$80.58	\$86.26	\$92.20
% Change			-18.4%	7.0%	7.0%	7.0%	7.0%

Table 10: Bimonthly Sewer Bill Survey
City of Brisbane
Sewer Utility Rate Study 2021

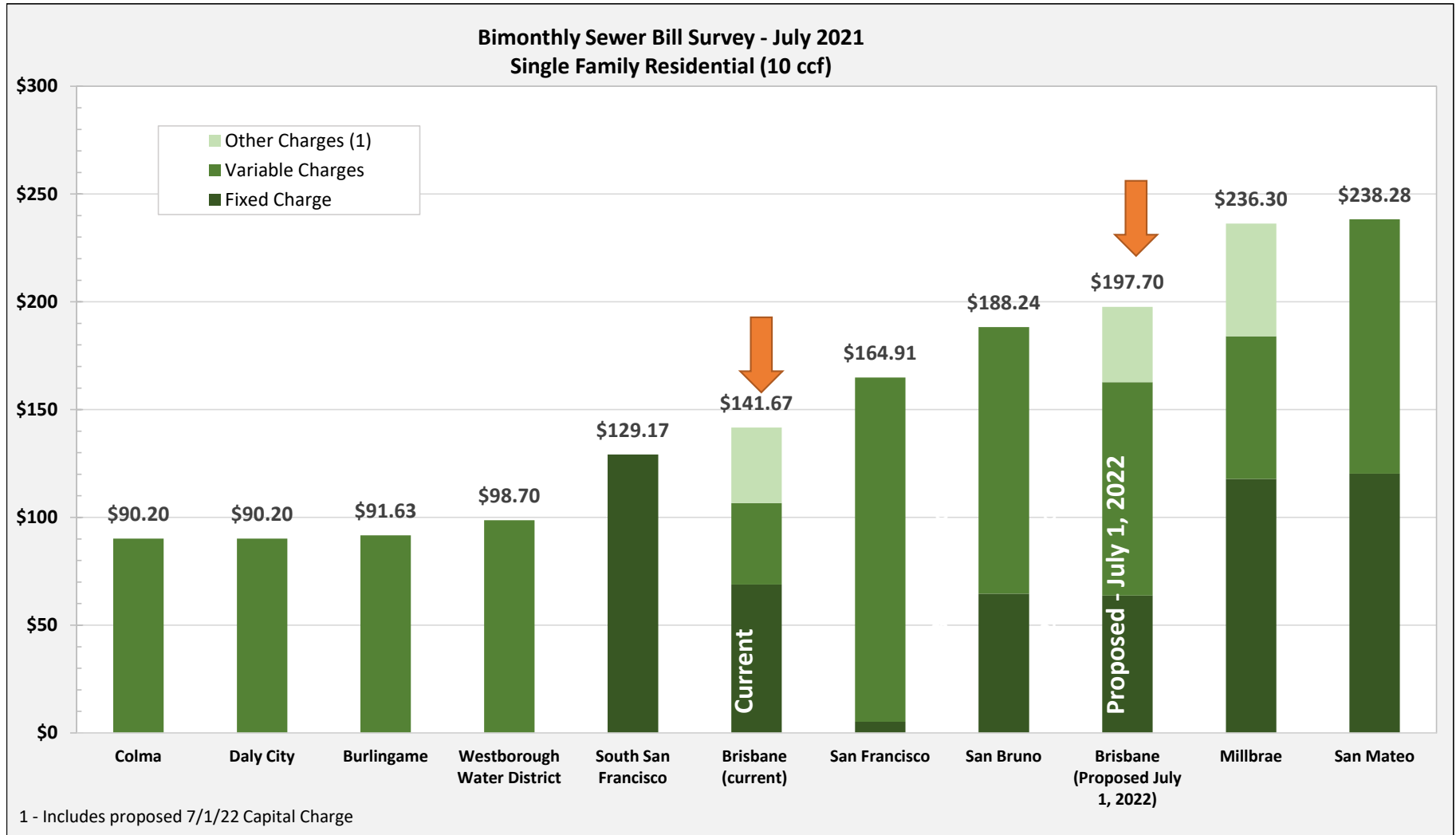


Table 11: Scenario 2: Rate Increases to Meet Goals by 2026/27 - Sewer Cash Flow Projection
City of Brisbane
Sewer Utility Rate Study 2021

DRAFT - 3/9/22

	Approved 2020/21	Budget 2021/22	Years 1 -5: Proposition 218					Years 6 - 10: Extended Projection				
			2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32
1 Overall Revenue Adjustment			24.0%	24.0%	24.0%	24.0%	24.0%	5.0%	5.0%	5.0%	5.0%	5.0%
2 Rate Increase Effective			Jul 1, 2022	Jul 1, 2023	Jul 1, 2024	Jul 1, 2025	Jul 1, 2026	Jul 1, 2027	Jul 1, 2028	Jul 1, 2029	Jul 1, 2030	Jul 1, 2031
3												
4												
5 BEGINNING FUND BALANCE	\$4,631,688	\$3,769,370	\$2,532,372	\$1,187,841	\$179,997	(\$375,659)	(\$321,628)	\$527,191	\$1,653,285	\$2,684,197	\$3,601,019	\$4,381,163
6												
7 REVENUES												
8 Sewer Service Charges	2,000,000	2,000,000	2,480,000	3,075,000	3,813,000	4,728,000	5,863,000	6,156,000	6,464,000	6,787,000	7,126,000	7,482,000
9 Investment Earnings	25,000	25,000	26,000	27,000	28,000	29,000	30,000	31,000	32,000	33,000	34,000	35,000
10 Sewer Connection Fees	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
11 Account Open/Reconnections	1,500	1,500	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
12 Late Payment Charges	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
13 Capital Charge (1)	182,500	182,500	332,500	332,500	332,500	332,500	332,500	332,500	332,500	332,500	332,500	332,500
14 Transfers from Other Funds	37,500	37,500	37,500	37,500	37,500	37,500	37,500	37,500	37,500	37,500	37,500	37,500
15 Less: Low Income Rate Assistance	(37,500)	(37,500)	(37,500)	(37,500)	(37,500)	(37,500)	(37,500)	(37,500)	(37,500)	(37,500)	(37,500)	(37,500)
16 Total Revenues	2,217,000	2,217,000	2,848,500	3,444,500	4,183,500	5,099,500	6,235,500	6,529,500	6,838,500	7,162,500	7,502,500	7,859,500
17												
18 EXPENSES												
19 <u>Operating & Maintenance</u>												
20 Salaries	433,940	450,458	468,000	487,000	506,000	526,000	547,000	569,000	592,000	616,000	641,000	667,000
21 Payroll Taxes	5,949	6,188	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
22 Benefits	209,302	245,581	255,000	265,000	276,000	287,000	298,000	310,000	322,000	335,000	348,000	362,000
23 Insurance	51,099	51,287	56,000	59,000	62,000	65,000	68,000	71,000	75,000	79,000	83,000	87,000
24 Supplies and Services	1,618,515	1,918,359	2,110,000	2,321,000	2,553,000	2,808,000	3,089,000	3,398,000	3,738,000	4,112,000	4,523,000	4,975,000
25 <u>Admin Charges and Credit</u>	<u>445,356</u>	<u>463,781</u>	<u>482,000</u>	<u>501,000</u>	<u>521,000</u>	<u>542,000</u>	<u>564,000</u>	<u>587,000</u>	<u>610,000</u>	<u>634,000</u>	<u>659,000</u>	<u>685,000</u>
26 Subtotal O&M	2,764,162	3,135,654	3,377,000	3,639,000	3,924,000	4,234,000	4,572,000	4,941,000	5,343,000	5,782,000	6,260,000	6,782,000
27												
28 Net Operating Revenues	(547,162)	(918,654)	(528,500)	(194,500)	259,500	865,500	1,663,500	1,588,500	1,495,500	1,380,500	1,242,500	1,077,500
29												
30 Debt Service												
31 2015 Utility Bonds	315,156	318,344	316,031	313,344	315,156	311,469	314,681	312,406	314,588	313,678	312,356	317,813
32 New Bonds (2)	0	0	0	0	0	0	0	150,000	150,000	150,000	150,000	150,000
33 Subtotal Debt Service	315,156	318,344	316,031	313,344	315,156	311,469	314,681	462,406	464,588	463,678	462,356	467,813
34												
35 Capital Projects	0	0	500,000	500,000	500,000	500,000	500,000	0	0	0	0	0
36												
37 Total Expenses	3,079,318	3,453,998	4,193,031	4,452,344	4,739,156	5,045,469	5,386,681	5,403,406	5,807,588	6,245,678	6,722,356	7,249,813
38												
39 Net Revenues	(862,318)	(1,236,998)	(1,344,531)	(1,007,844)	(555,656)	54,031	848,819	1,126,094	1,030,913	916,822	780,144	609,688
40												
41 ENDING FUND BALANCE	3,769,370	2,532,372	1,187,841	179,997	(375,659)	(321,628)	527,191	1,653,285	2,684,197	3,601,019	4,381,163	4,990,850
42												
43												
44 <u>Reserve Funds</u>												
45 Operating Reserve Target (25% of O&M)	691,000	783,900	844,300	909,800	981,000	1,058,500	1,143,000	1,235,300	1,335,800	1,445,500	1,565,000	1,695,500
46 Target Met?	yes	yes	yes	no	no	no	no	yes	yes	yes	yes	yes
47												
48 Debt Service Coverage - 1.25x (3)	(1.74)	(2.89)	(1.67)	(0.62)	0.82	2.78	5.29	3.44	3.22	2.98	2.69	2.30
49 Target Met?	no	no	no	no	no	yes	yes	yes	yes	yes	yes	yes
50												

1 - Assumes Capital Charge will increase in 2022/23

2 - Total debt service for New Bonds is estimated at \$300,000 and is split evenly with the Water Utility.

Table 12: Scenario 2: Needed Rate Increases to Meet Goals by 2026/27- Proposed Bi-Monthly Sewer Rates
City of Brisbane
Sewer Utility Rate Study 2021

	Current Rates	PROJECTED - RATE STUDY PERIOD				
		2022/23	2023/24	2024/25	2025/26	2026/27
RESIDENTIAL						
Flat Charge	\$68.87	\$63.69	\$78.58	\$96.95	\$119.62	\$147.60
Variable Charge (1)						
Tier 1: 0 - 8 ccf	\$2.81	\$9.90	\$12.14	\$14.90	\$18.27	\$22.42
Tier 2: Over 8 ccf	\$7.66					
COMMERCIAL						
Standard						
Flat Charge	\$68.87	\$63.69	\$78.58	\$96.95	\$119.62	\$147.60
Variable Charge						
Tier 1: 0 - 8 ccf	\$3.84	\$10.06	\$12.47	\$15.43	\$19.13	\$23.73
Tier 2: Over 8 ccf	\$7.66					
Medium						
Flat Charge	\$68.87	\$63.69	\$78.58	\$96.95	\$119.62	\$147.60
Variable Charge						
Tier 1: 0 - 8 ccf	\$5.68	\$10.06	\$12.47	\$15.43	\$19.13	\$23.73
Tier 2: Over 8 ccf	\$9.74					
Heavy						
Flat Charge	\$68.87	\$63.69	\$78.58	\$96.95	\$119.62	\$147.60
Variable Charge						
Tier 1: 0 - 8 ccf	\$7.59	\$10.06	\$12.47	\$15.43	\$19.13	\$23.73
Tier 2: Over 8 ccf	\$11.82					

1 - Residential bill is based on winter consumption (Oct, Nov, Dec & Jan)

Table 13: Scenario 2: Needed Rate Increases to Meet Goals by 2026/27 - Sample Bimonthly Sewer Bill Impacts

City of Brisbane

Sewer Utility Rate Study 2021

RESIDENTIAL BILL IMPACTS

	Bimonthly Use (ccf)	Current Bill	Proposed				
			2022/23	2023/24	2024/25	2025/26	2026/27
Residential - 4 ccf							
Fixed Charge		\$68.87	\$63.69	\$78.58	\$96.95	\$119.62	\$147.60
Variable Charge							
Tier 1: 0 - 8 ccf	4	\$11.24	\$39.60	\$48.57	\$59.58	\$73.09	\$89.69
<u>Tier 2: Over 8 ccf</u>	<u>0</u>	<u>\$0.00</u>					
Subtotal Variable Charge	4	\$11.24					
Total Bimonthly Sewer Bill		\$80.11	\$103.29	\$127.15	\$156.53	\$192.71	\$237.29
\$ Change			\$23.18	\$23.86	\$29.38	\$36.18	\$44.57
% Change			28.9%	23.1%	23.1%	23.1%	23.1%
Residential - 10 ccf							
Fixed Charge		\$68.87	\$63.69	\$78.58	\$96.95	\$119.62	\$147.60
Variable Charge							
Tier 1: 0 - 8 ccf	8	\$22.48	\$99.01	\$121.43	\$148.95	\$182.73	\$224.21
<u>Tier 2: Over 8 ccf</u>	<u>2</u>	<u>\$15.32</u>					
Subtotal Variable Charge	10	\$37.80					
Total Bimonthly Sewer Bill		\$106.67	\$162.70	\$200.01	\$245.90	\$302.35	\$371.81
\$ Change			\$56.03	\$37.31	\$45.89	\$56.45	\$69.46
% Change			52.5%	22.9%	22.9%	23.0%	23.0%
Residential - 20 ccf							
Fixed Charge		\$68.87	\$63.69	\$78.58	\$96.95	\$119.62	\$147.60
Variable Charge							
Tier 1: 0 - 8 ccf	8	\$22.48	\$198.02	\$242.86	\$297.91	\$365.46	\$448.43
<u>Tier 2: Over 8 ccf</u>	<u>12</u>	<u>\$91.92</u>					
Subtotal Variable Charge	20	\$114.40					
Total Bimonthly Sewer Bill		\$183.27	\$261.71	\$321.44	\$394.86	\$485.08	\$596.03
\$ Change			\$78.44	\$59.73	\$73.42	\$90.23	\$110.94
% Change			42.8%	22.8%	22.8%	22.9%	22.9%
STANDARD COMMERCIAL							
	Bimonthly Use (ccf)	Current Bill	Proposed				
			2022/23	2023/24	2024/25	2025/26	2026/27
Standard Commercial - 10 ccf							
Fixed Charge		\$68.87	\$63.69	\$78.58	\$96.95	\$119.62	\$147.60
Variable Charge							
Tier 1: 0 - 8 ccf	8	\$30.72	\$100.60	\$124.74	\$154.31	\$191.34	\$237.27
<u>Tier 2: Over 8 ccf</u>	<u>2</u>	<u>\$15.32</u>					
Subtotal Variable Charge	10	\$46.04					
Total Bimonthly Sewer Bill		\$114.91	\$164.29	\$203.32	\$251.26	\$310.96	\$384.87
\$ Change			\$49.38	\$39.03	\$47.94	\$59.70	\$73.91
% Change			43.0%	23.8%	23.6%	23.8%	23.8%
Standard Commercial - 20 ccf							
Fixed Charge		\$68.87	\$63.69	\$78.58	\$96.95	\$119.62	\$147.60
Variable Charge							
Tier 1: 0 - 8 ccf	8	\$30.72	\$201.21	\$249.48	\$308.61	\$382.67	\$474.54
<u>Tier 2: Over 8 ccf</u>	<u>12</u>	<u>\$91.92</u>					
Subtotal Variable Charge	20	\$122.64					
Total Bimonthly Sewer Bill		\$191.51	\$264.90	\$328.06	\$405.56	\$502.29	\$622.14
\$ Change			\$73.39	\$63.16	\$77.50	\$96.73	\$119.84
% Change			38.3%	23.8%	23.6%	23.9%	23.9%

MEDIUM COMMERCIAL

	Bimonthly Use (ccf)	Current Bill	Proposed				
			2022/23	2023/24	2024/25	2025/26	2026/27
Medium Commercial - 30 ccf							
Fixed Charge		\$68.87	\$63.69	\$78.58	\$96.95	\$119.62	\$147.60
Variable Charge							
Tier 1: 0 - 8 ccf	8	\$45.44	\$301.81	\$374.22	\$462.92	\$574.01	\$711.80
Tier 2: Over 8 ccf	<u>22</u>	<u>\$214.28</u>					
Subtotal Variable Charge	30	\$259.72					
Total Bimonthly Sewer Bill		\$328.59	\$365.50	\$452.80	\$559.87	\$693.63	\$859.40
\$ Change			\$36.91	\$87.30	\$107.07	\$133.76	\$165.78
% Change			11.2%	23.9%	23.6%	23.9%	23.9%
Medium Commercial - 50 ccf							
Fixed Charge		\$68.87	\$63.69	\$78.58	\$96.95	\$119.62	\$147.60
Variable Charge							
Tier 1: 0 - 8 ccf	8	\$45.44	\$503.02	\$623.71	\$771.54	\$956.68	\$1,186.34
Tier 2: Over 8 ccf	<u>42</u>	<u>\$409.08</u>					
Subtotal Variable Charge	50	\$454.52					
Total Bimonthly Sewer Bill		\$523.39	\$566.71	\$702.29	\$868.49	\$1,076.30	\$1,333.94
\$ Change			\$43.32	\$135.57	\$166.20	\$207.81	\$257.64
% Change			8.3%	23.9%	23.7%	23.9%	23.9%

HEAVY COMMERCIAL

	Bimonthly Use (ccf)	Current Bill	Proposed				
			2022/23	2023/24	2024/25	2025/26	2026/27
Heavy Commercial - 80 ccf							
Fixed Charge		\$68.87	\$63.69	\$78.58	\$96.95	\$119.62	\$147.60
Variable Charge							
Tier 1: 0 - 8 ccf	8	\$60.72	\$804.83	\$997.93	\$1,234.46	\$1,530.69	\$1,898.15
Tier 2: Over 8 ccf	<u>72</u>	<u>\$851.04</u>					
Subtotal Variable Charge	80	\$911.76					
Total Bimonthly Sewer Bill		\$980.63	\$868.52	\$1,076.51	\$1,331.41	\$1,650.31	\$2,045.75
\$ Change			-\$112.11	\$207.99	\$254.90	\$318.90	\$395.44
% Change			-11.4%	23.9%	23.7%	24.0%	24.0%
Heavy Commercial - 100 ccf							
Fixed Charge		\$68.87	\$63.69	\$78.58	\$96.95	\$119.62	\$147.60
Variable Charge							
Tier 1: 0 - 8 ccf	8	\$60.72	\$1,006.04	\$1,247.41	\$1,543.07	\$1,913.36	\$2,372.68
Tier 2: Over 8 ccf	<u>92</u>	<u>\$1,087.44</u>					
Subtotal Variable Charge	100	\$1,148.16					
Total Bimonthly Sewer Bill		\$1,217.03	\$1,069.73	\$1,325.99	\$1,640.02	\$2,032.98	\$2,520.28
\$ Change			-\$147.30	\$256.26	\$314.03	\$392.96	\$487.30
% Change			-12.1%	24.0%	23.7%	24.0%	24.0%