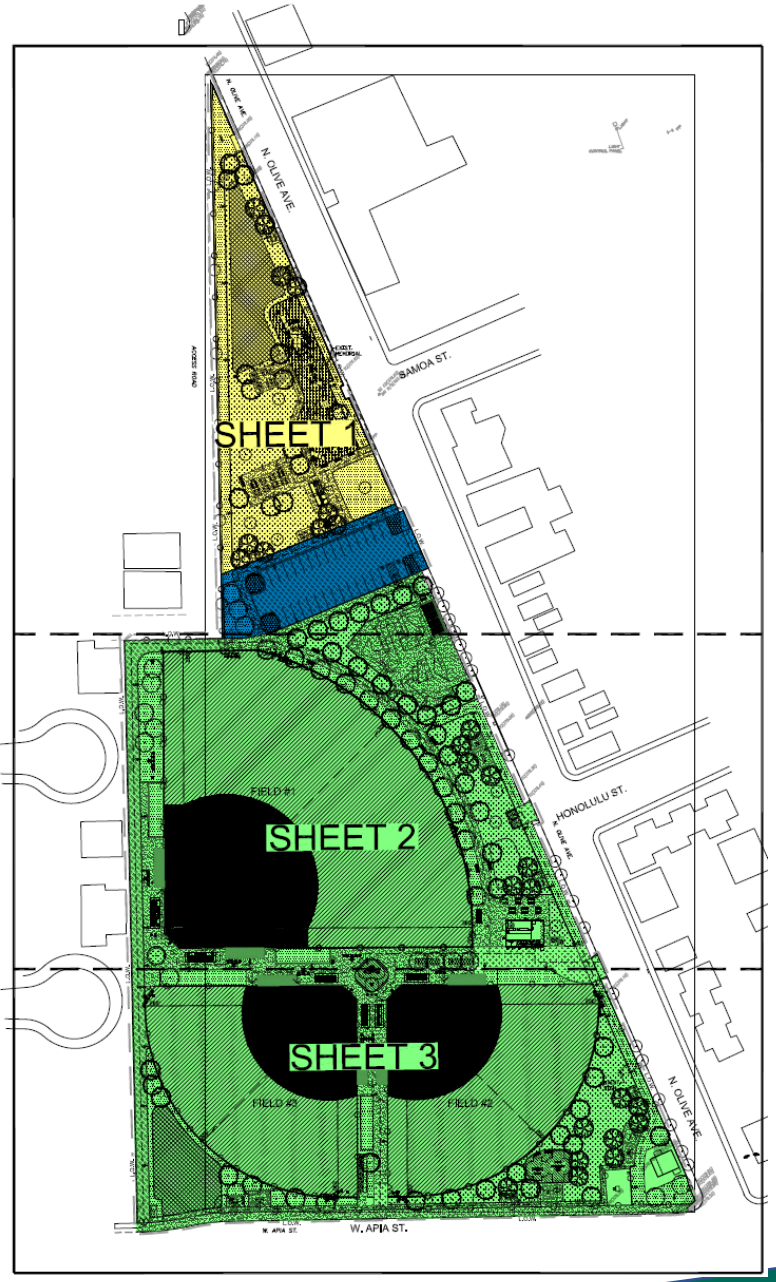
11.1 Award Contract for the Construction of the Olive Bowl/Kaku Park Expansion – Phase 1 Project.

August 27, 2024

Timeline

- 2019 Planning & Application – State Parks
- February 2020 Received the Award of $3,670,437
- January 26, 2021 - Awarded Contract to MIG, Inc. for
- June 16, 2021 - MIG, Inc. provided opinion of probable construction cost with 30% Plans $6,151,793.54
- January 2022 Cycle I-Clean California (Clean CA) released
- August 18, 2022 Notice to Proceed from Clean CA
- **Received 1st bids on April 18, 2023**



Timeline

- Project re-bid out in September 2023
- **There was only <u>one (1)</u> bid received on November 3, 2023.**
- A phased approach was approved by Council and Caltrans in February 2024
- Additional funding from the City was approved on June 11, 2024, from ARPA $1,761,815
- **OPEN 3rd BIDS ON AUGUST 20, 2024**

Company Name/City	**Base Bid -Phase 1-Ballfield Park Improvement**	Additive Alt. A-Phase 3-North Park	Additive Alt. B - Phase 2-Parking Lot Improvements
Unified Field Services (Bakersfield)	**$ 7,798,767.55**	$ 1,435,829.40	$ 537,833.70
SCEI Sierra Construction & Excavation (Bakersfield)	$ 8,446,459.23	$ 1,849,936.25	$ 631,000.49
Stockbridge (Clovis)	$ 9,016,941.00	$ 1,428,066.00	$ 569,537.00
Paden & Bletscher Construction (Fresno)	$ 10,019,057.39	$ 1,927,836.95	$ 769,745.05

BID RESULTS

FUNDING

Funding Sources

State Parks	$	3,670,437.00	36.40%
Caltrans	$	4,650,920.00	46.13%
City (ARPA)	$	1,761,815.00	17.47%
Total Available	$	10,083,172.00	

	Phase 1	Phase 2	Phase 3
Bid Amount	$ 7,748,767.55	$ 537,833.70	$ 1,435,829.40
Total of Construction Engineering	$ 2,037,139.45		$ 143,582.94
Grand Total	$ 9,785,907.00		$ 1,579,412.34
Weighted Percentage per Phase	80%	6%	15%

Option 1 Award Phase 1	$	9,785,907.00
To be Value Engineer for Phase 3 North Park	$	297,265.01

FUNDING

Construction Engineering		
Utilities Undergrounding	$	135,000.00
Landscape Architect Contract	$	449,487.00
Project Construction Management	$	972,243.07
Restroom Building City Purchase	$	551,814.00
Playground for Phase 3	$	125,961.69
	$	2,234,505.76

Council Action

- Award and authorize the Mayor or Mayor Pro Tem to sign a contract with the lowest responsible bidder, Unified Field Management Services of Bakersfield, CA in the amount of $7,798,767.55 for the construction of the City of Lindsay Olive Bowl/Kaku Park Expansion – Phase 1 Project; and authorize staff to value engineer the remaining phases of the project.

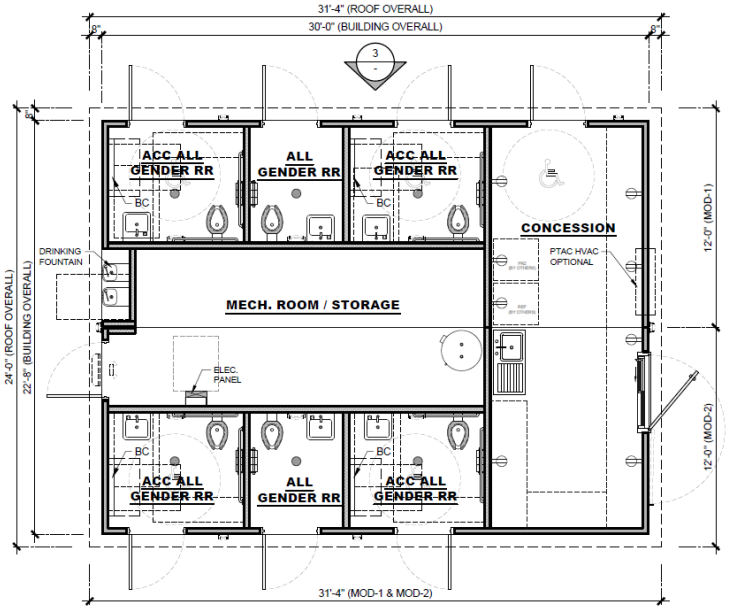
11.2 Purchase of a Prefabricated Restroom/Concession/Storage Building for the Olive Bowl/Kaku Park Renovation Project

BIDS

RESTROOM/ CONCESSION/
STORAGE BUILDING

LINDSAY, CALIFORNIA

OLIVE BOWL PARK



	Company Name	Building Size			LEAD Time
		28 ft x 40 ft	24 ft x 30 ft	24 ft x 40 ft	
1	Structure Cast	$639,690	$537,521	$551,814	50 Calendar Days
2	Public Restroom Company	$716,537	$589,784		240 Calendar Days
3	Corworth	No bids received			

Council Action

- Approve the purchase of a 24 X 40 prefabricated restroom/concession/storage building from Structure Cast of Bakersfield, CA for $551,814 for the Olive Bowl/Kaku Park Renovation Project; and authorize the Mayor or Mayor Pro Tem to execute all related purchase documents

11.3 Acceptance of the GameTime Grant Funding and Purchase of Playground Equipment

GRANT

$71,239.78

Quote	$180,308.00
Grant	($ 71,239.78)
Freight	$ 7,350.00
Tax	$ 9,543.47
Total	$125,961.69

play. site. sport.

Olive Bowl Park Playground - Main Playground

PLAY. SITE. SPORT.

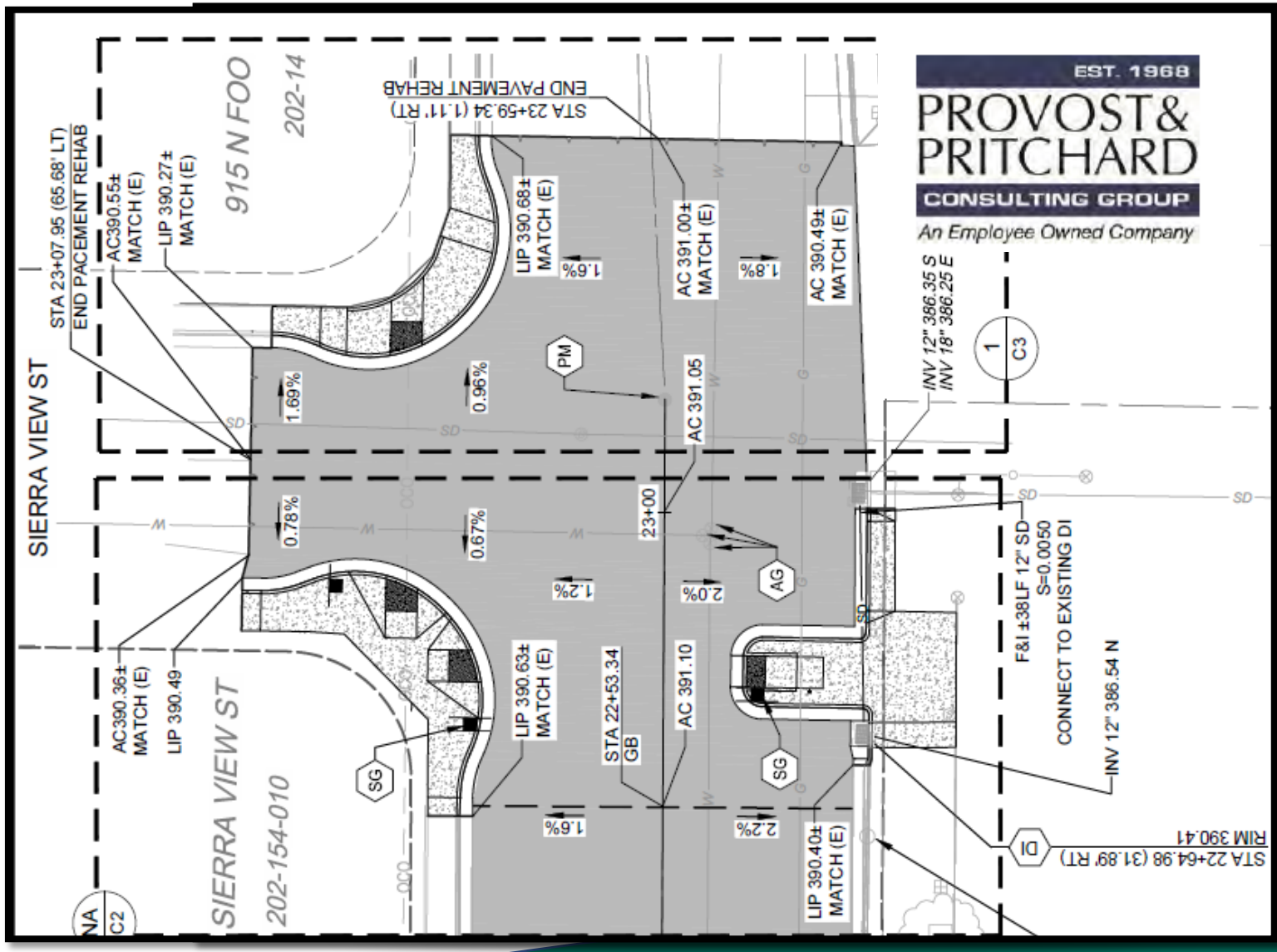
Council Action

- **1. Acknowledge the Grant:** Formally acknowledge the receipt of the grant award, which will fund the purchase of recreational equipment from GameTime.
- **2. Authorize the Purchase:** Authorize the City Manager to proceed with the purchase of the specified equipment through GameTime, in accordance with the grant terms.
- **3. Waive the bidding requirements due to GameTime pricing thru OMNIA –** a Public Sector Program and a State of California Leveraged Procurement Agreement No. 4-20-00-0092B

11.4 Award Contract for the Construction of the Tulare Road & Foothill Avenue Intersection and Pavement Rehabilitation Improvements Project

Background

- Tulare Rd from Foothill Ave to Strathmore Ave
- Foothill Ave from Tulare Rd to Sierra View Ave
- Tulare/Foothill Intersection bulb-outs on Northside.
- Foothill/Sierra View St Intersection bulb-outs/crossing area
- Create more parking area in front of the High School



BID RESULTS

Company Name/City	Base Bid	
MAC General Engineering Inc, Exeter, CA	**$**	**1,814,791.67**
Granite Construction Company, Fresno, CA	$	1,883,033.97
Central Valley Asphalt, Lindsay, CA	$	1,964,377.12

FUNDING

Fund No.	Fund Description	Budget	Budget FY
266	LTF-Art 8 Streets & Roads	$2,270,500	2024-2025 CIP (pg. 130)

Breakdown

Construction Contract:	$1,814,791.67
Construction Management	$ 129,700.00 (Pending Council approval)
Contingencies:	$ 326,008.33 (17.96% of Contract)
Total:	$2,270,500.00

Council Action

- Award and authorize the Mayor or Mayor Pro Tem to sign a contract with the lowest responsible bidder, MAC General Engineering of Exeter, CA in the amount of $1,814,791.67 for construction of the Tulare Road & Foothill Avenue Intersection and Pavement Rehabilitation Improvements Project

11.6 Award Contract for the Installation of a Programmable Logic Controller (PLC) System at the Water Treatment Plant and at the Canal Intake.

Background

- The Water Treatment Plant (WTP), constructed in the mid-1970s, is in desperate need of upgrades and repairs. Among the projects identified is the upgrade of the Mission Control Unit, which includes the replacement of the Programmable Logic Controller (PLC) at the canal intake.

BID RESULTS

Company Name	Canal Intake	WTP	Total
Telstar Instruments	$16,376.00	$64,597.00	$80,973.00
Innovative Controls	$34,341.60	$71,622.00	$105,963.60

FUNDING

Budget/Funding	Fund No.	Fund Description	Budget FY
$100,000	300	McDermont Sales Proceeds	2024-2025

Council Action

- Staff recommends that the City Council accept the quotes received and award a contract to Telstart Instruments of Hanford, CA in the amount of $80,973 for installation of PLC system at the Water Treatment Plant and at the Canal Intake

11.7 Accept and adopt the Annual Enterprise Pavement Impact Cost Reimbursement Study to take effect concurrently with the implementation of the new Water & Sewer Rates.

Background

- 2004 Pavement Impact Cost Study
  - Findings in State Audit

- The objective of this study is to analyze and quantify the annual damages to the City's streets caused by the water, sanitary sewer, and solid waste enterprises.
  - The activities of the City's solid waste, water and sewer enterprises damage the City's streets. The Solid Waste enterprise sends heavy collection tucks over the majority of the City's streets multiple times per week.
  - The water and sewer enterprises have infrastructure under the streets. Damage is caused to the City's streets when these enterprises cut into the streets to access the infrastructure or when subsidence around underground infrastructure or leaking from the underground infrastructure causes severe damage that must be dug out and refilled prior to an overlay.

Methodology

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BARTLE WELLS ASSOCIATES INDEPENDENT PUBLIC FINANCE ADVISORS

SOLID WASTE

- Every time a vehicle travels on pavement it causes the pavement to deteriorate. Pavement engineers generally use the concept of an equivalent single-axle load (ESAL) to measure the effects of axle loads on pavement

Table 4 – Refuse Truck Portion of Residential Annual Replacement & Rehabilitation Cost

Annual Residential Cost	Amount
Area of City Streets (SF)	3,741,559
Replacement/ Rehabilitation Unit Cost ($/SF)	$9.33
Total Replacement/ Rehabilitation Cost ($)	$34,908,745
Useful Life (Years)	40
Replacement/ Rehabilitation Cost ($/Year)	$872,719
Overlay Unit Cost ($/SF)	$4.55
Total Overlay Cost ($)	$17,024,093
Overlay Frequency (Years)	20
Overlay Cost ($/Year)	$851,205
Refuse Truck ESALs	24.78%
Annual Refuse Truck Impact ($)	**$427,189**

Table 5 – Refuse Truck Portion of Arterial / Collector Annual Replacement & Rehabilitation Cost

Annual Arterial / Collector Cost	Amount
Area of City Streets (SF)	3,248,990
Replacement/ Rehabilitation Unit Cost ($/SF)	$9.33
Total Replacement/ Rehabilitation Cost ($/SF)	$30,313,077
Useful Life (Years)	40
Replacement/ Rehabilitation Cost ($/Year)	$757,827
Overlay Unit Cost ($/SF)	$4.55
Total Overlay Cost ($)	$14,782904
Overlay Frequency (Years)	20
Overlay Cost ($/Year)	$793,145
Refuse Truck ESALs	6.63%
Annual Refuse Truck Impact ($)	**$102,829**

Methodology

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An Employee Owned Company

BARTLE WELLS ASSOCIATES
INDEPENDENT PUBLIC FINANCE ADVISORS

WATER & SEWER

- Two categories of damage were identified in this study

Utility Trench Patching

Figure 2: Trench Patch on Hickory Street

Figure 1: Trench Patch on Hickory Street

Other Severe Damage

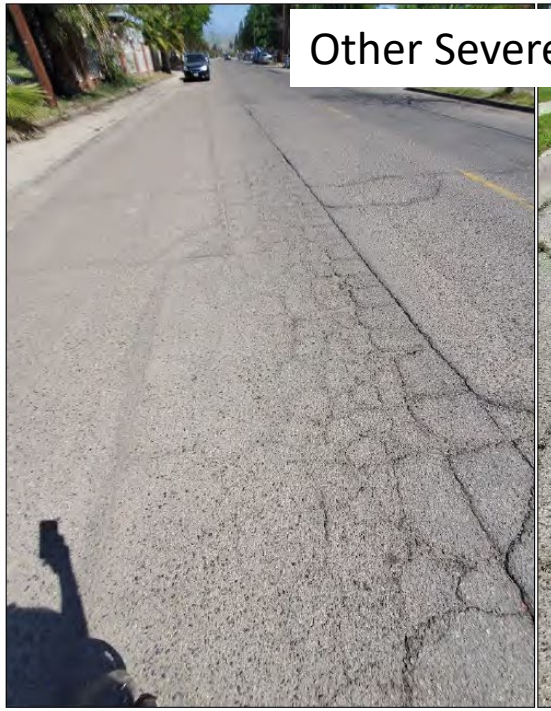


Figure 3: Subsidence of UUI on Harvard Ave

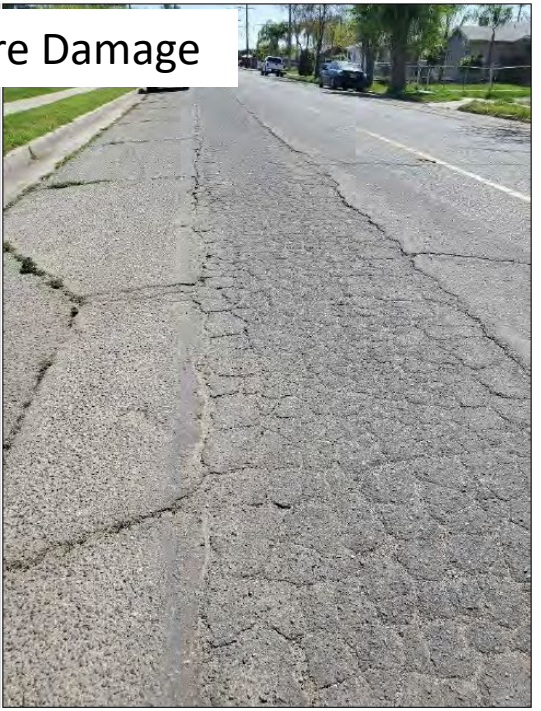


Figure 4: Subsidence of UUI on Honolulu Street

Methodology

WATER & SEWER

Table 6 – UUI Portion of Residential Annual Overlay Cost Due to Trench Patching

Annual Residential Cost	Amount
Area of City Streets (SF)	3,741,559
Overlay Unit Cost ($/SF)	$4.55
Total Overlay Cost ($)	$17,024,093
Useful Life (Years)	20
Overlay Cost ($/Year)	$851,205
25% Reduced Useful Life (Years)	15
Total Overlay Cost ($/Year)	$1,134,940
Roads with Trench Patches (%)	11.35%
Annual Overlay Cost ($)	**$32,204**

Table 7 – UUI Portion of Arterial / Collector Annual Overlay Cost Due to Trench Patching

Annual Arterial/Collector Cost	Amount
Area of City Streets (SF)	3,248,990
Overlay Unit Cost ($/SF)	$4.55
Total Overlay Cost ($)	$14,782,905
Useful Life (Years)	20
Overlay Cost ($/Year)	$793,145
25% Reduced Useful Life (Years)	15
Total Overlay Cost ($/Year)	$985,527
Roads with Trench Patches (%)	24.09%
Annual Overlay Cost ($)	**$59,353**

Methodology

WATER & SEWER

Table 9 – UUI Portion of Arterial / Collector Annual Replacement & Rehabilitation Cost Due to Other Severe Damage

Annual Arterial/Collector Cost	Amount
Area of City Streets (SF)	3,248,990
Replacement / Rehabilitation Unit Cost ($/SF)	$7.93
Total Replacement / Rehabilitation Cost ($)	$25,764,491
Useful Life (Years)	20
Replacement / Rehabilitation Cost ($/Year)	$1,288,225
Roads with Other Severe Damage (%)	3.48%
Annual Replacement / Rehabilitation Cost ($)	**$44,830**

Methodology

WATER & SEWER

Table 10 – UUI Portions of Water and Sewer Impacts to Roadway Conditions

UUI Type	Road Classification	UUI Damage Type	Percent of Impact (%)
Arterial / Collector Trench Patch Damage			
Water	Arterial / Collector	Trench Patch	70
Sanitary Sewer	Arterial / Collector	Trench Patch	30
Total	Arterial / Collector	Trench Patch	100
Arterial / Collector Other Severe Damage			
Water	Arterial / Collector	Other Severe	19
Sanitary Sewer	Arterial / Collector	Other Severe	65
Storm Drain[1]	Arterial / Collector	Other Severe	16
Total	Arterial / Collector	Other Severe	100
Residential Trench Patch Damage			
Water	Residential	Trench Patch	100
Sanitary Sewer	Residential	Trench Patch	0
Total	Residential	Trench Patch	100
Residential Other Severe Damage			
Water	Residential	Other Severe	28
Sanitary Sewer	Residential	Other Severe	72
Total	Residential	Other Severe	100

[1] – Storm drain improvements are funded through the Sanitary Sewer Enterprise

Study Findings

- The results from the analysis performed in this study demonstrate that the activities of the City's water, sewer and solid waste enterprises cause annual degradation to the City's roadways.

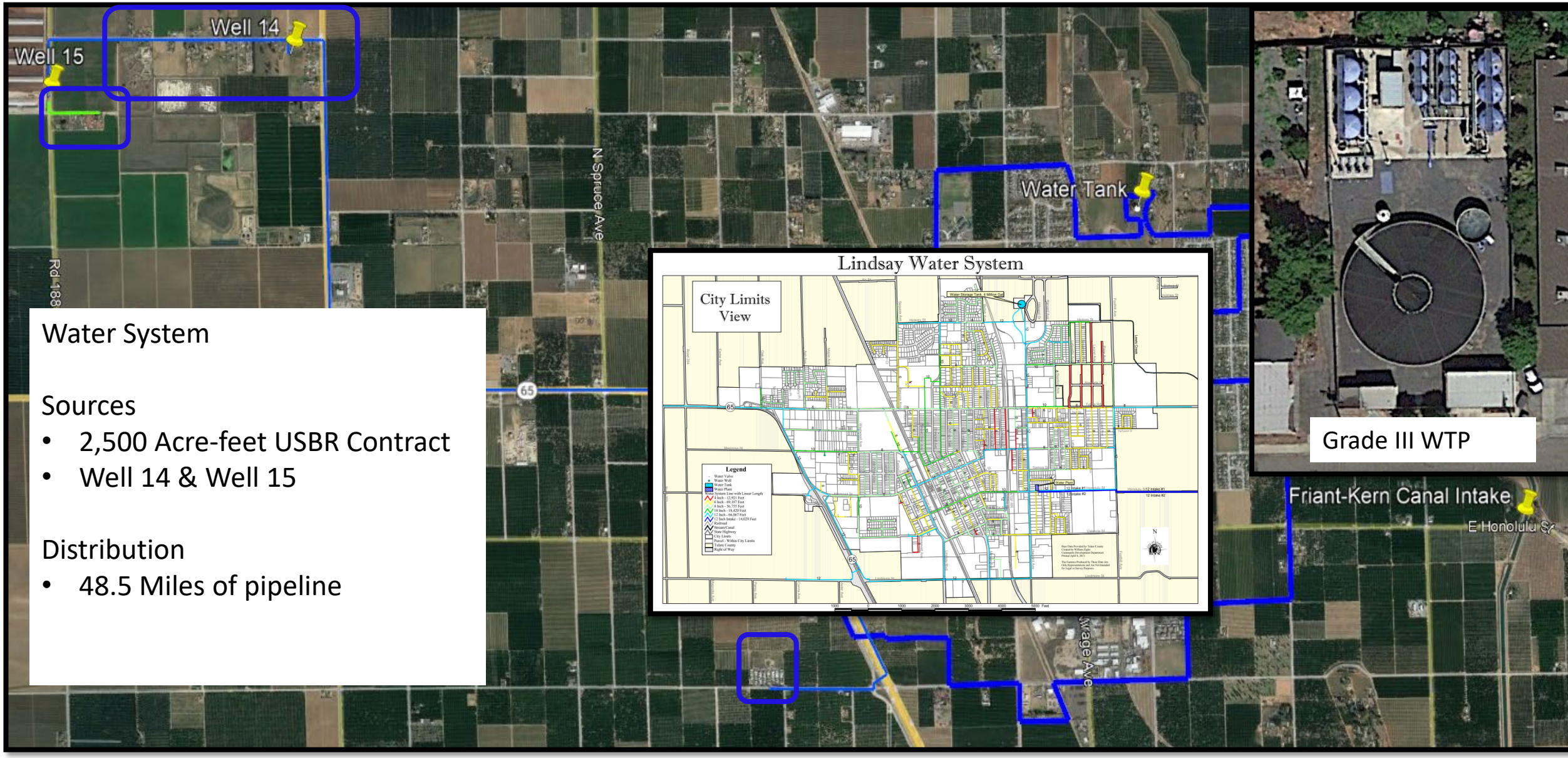
Enterprise Fund	Amount
Water	$88,431
Sanitary Sewer	$69,715
Solid Waste	$530,018
Total Annual Improvement Costs	**$688,164**

Council Action

- Accept and adopt the Annual Enterprise Pavement Impact Cost Reimbursement Study to take effect concurrently with the implementation of the new Water & Sewer Rates.

Water and Sewer System Assessment

AUGUST 27, 2024



Water System

Sources

- 2,500 Acre-feet USBR Contract
- Well 14 & Well 15

Distribution

- 48.5 Miles of pipeline

Grade III WTP

Water Feasibility Study

Purpose

- Potential water supply shortage
- Explore alternatives
- Schedule of improvements to mitigate shortage and ensure safe and reliable drinking water

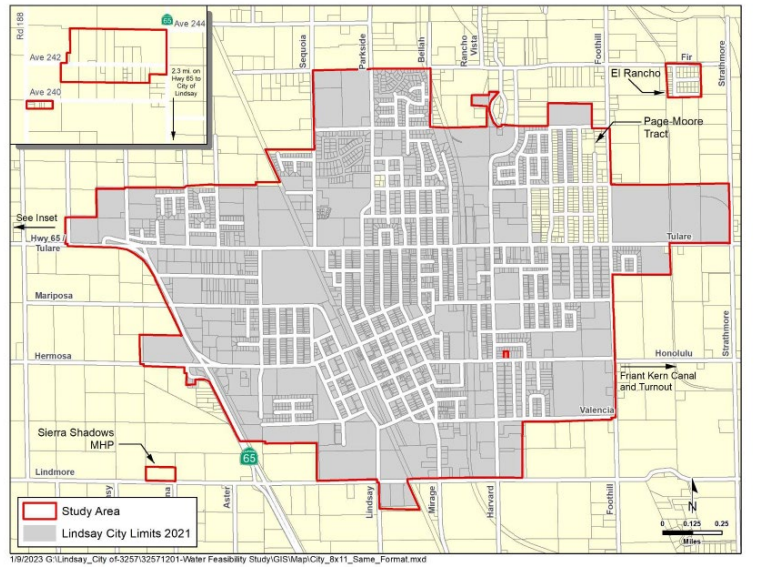
Objectives

- Assess the current state of the water system
- Identify challenges and limitations
- Evaluate potential solutions
- Determine the feasibility of implementing recommended solutions

Methodology

- Data collection
- Technical analysis:
  - Assess infrastructure
  - Water quality
  - Demand projections

Figure 2-1: Study Area

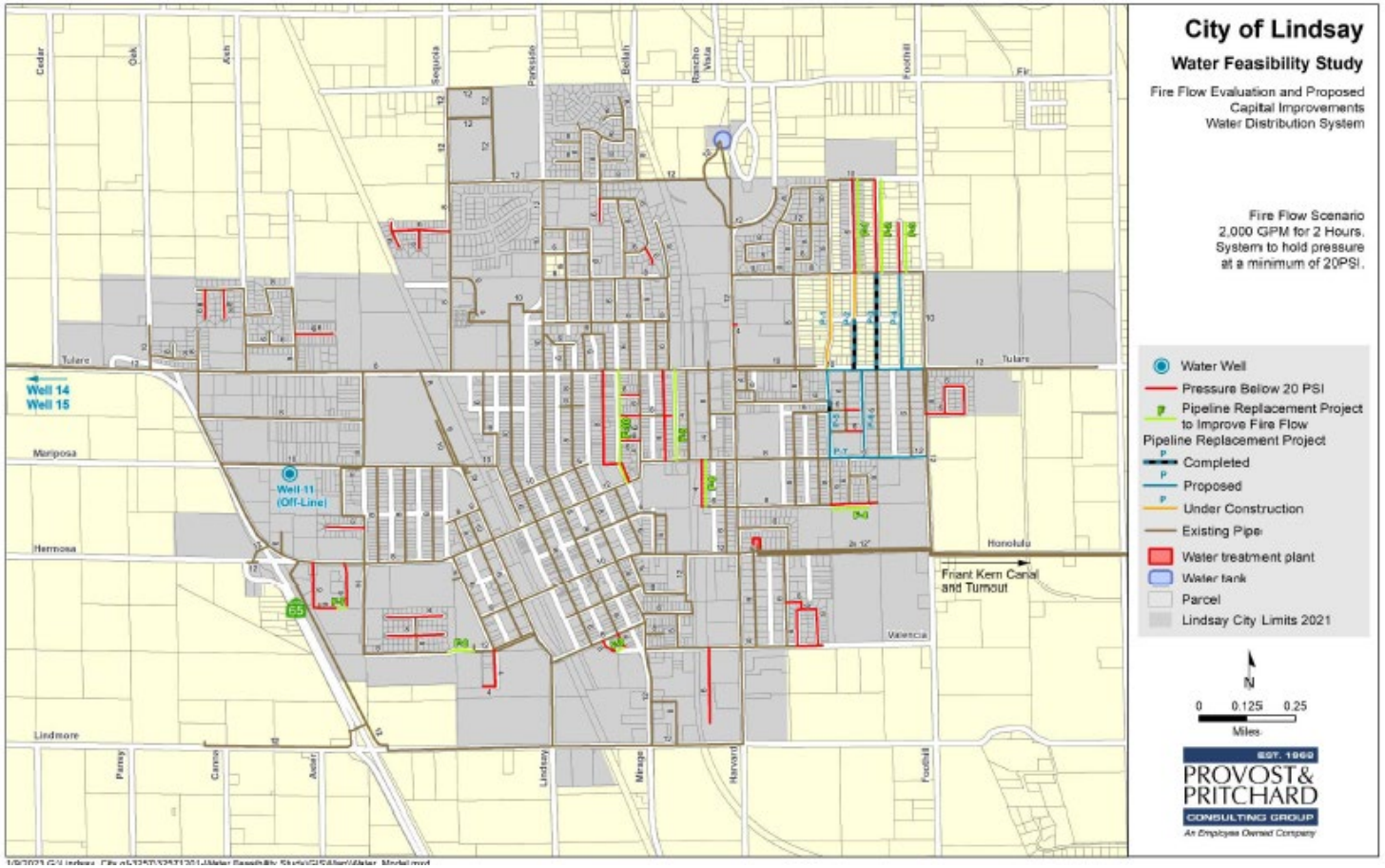


Evaluation of the water system

- ✓ Water System Demand
  - ❖ Historic supply and demand numbers
  - ❖ Future demands
- ✓ Water System Supply
  - ❖ Evaluation
    - Winter – when surface water supply is not available due to maintenance/no allocation
    - Summer – when surface water supply is available but not enough to meet demand
- ✓ Surface Water Treatment Facility
  - ❖ Water thru USBR allocations
  - ❖ Current operations
  - ❖ Deficiencies
- ✓ Distribution System
  - ❖ Evaluated using computer model to simulate the operation of the system
  - ❖ Identified areas with substandard operating pressures
  - ❖ Recommendations for water main improvements
- ✓ Storage System
  - ❖ Sufficient available storage volume

Deficiencies

- ✓ Water Treatment System
  - ❖ Water supply
    - USBR allocations
    - Well 14 & 15
    - Projects identified
  - ❖ Contact Clarifier
    - Retrofit or upgraded
  - ❖ Disinfecting byproducts (DBP) MCL exceedance
    - Projects identified
- ✓ Water Distribution System
  - ❖ Aging infrastructure
  - ❖ Not meeting fire flow requirements due to pipe size
  - ❖ Projects identified
- ✓ Storage System
  - ❖ None



Solutions

Project No.	Project Type	Project Description	Notes	Project Limits	Project Specifics				Project Timing							Estimated Grand Total	Possible Funding Source
					Ex. Size/	New Size/	Replace/	Length	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030		
Pipelines																	
Varies (See Table 3-11)	C	Main Line Replacement/ Dead End Elimination	1, 2	TBD	8 in	8 in	Re				$988,000	$988,000	$988,000	$988,000	$988,000	$6,916,000	Enterprise
Groundwater Wells																	
GW-2	C	New Well #1 (Winter Demand)	2, 4	TBD		850 gpm	New			$2,220,000						$2,220,000	Enterprise
GW-3	C	New Well #1 Infrastructure	2	TBD			New			$2,700,000						$2,700,000	Enterprise
GW-4	C	Drinking Water Test Well #2	1	TBD			New				$300,000					$300,000	Enterprise
GW-5	C	New Well #2 (Winter Demand)	2,4	TBD		1,000 gpm	New					$2,220,000				$2,220,000	Enterprise
GW-6	C	New Well #2 Infrastructure	2	TBD								$2,700,000				$2,700,000	Enterprise
GW-7	C	Drinking Water Test Well	1	TBD									$300,000			$300,000	Enterprise
GW-8	C	Replacement Well	2, 3	TBD		750 gpm								$2,220,000		$2,220,000	Enterprise
GW-9	C	New Well #3 (Winter Demand)	2, 3, 5	TBD		750 gpm	New								$2,220,000	$2,220,000	Enterprise
GW-10	C	New Well #3 Infrastructure	2	TBD			New								$2,700,000	$2,700,000	Enterprise
GW-11	C	Harvard Park Irrigation Well	1	TBD			New								$1,500,000	$1,500,000	Enterprise
GW-12	C	City Park Irrigation Water Well	1	TBD			New								$1,500,000	$1,500,000	Enterprise
WT-1	P	Well 11 - Treatment Alts	1, 2	Well 11			New		$25,000							$25,000	Enterprise
WT-2	P	Well 11 - Treatment PS&E	1, 2	Well 11												$150,000	SRF[6]
WT-3	C	Well 11 - Water Treatment	1, 2	Well 11												$5,943,000	SRF[6]
WT-4	C	Well 14 - Upgrades	1	Well 14			New		$150,000							$150,000	Enterprise
SW-1	C	DBP Mitigation	1, 2	SWTP			New		$500,000							$500,000	Enterprise
SW-2	C	Filter Bank D Renovations	1	SWTP			Replace		$400,000							$400,000	Enterprise
SW-3	C	Water Plant Upgrades	1, 2	SWTP												$100,000	Enterprise
SW-4	C	Clarifier Renovations	1, 2	SWTP												$10,000	Enterprise
SW-5	C	Turnout Upgrades	1	Canal Turnout								$100,000				$200,000	Enterprise
SW-6	C	Appurtenances (Approved CIP)	1	TBD			Replace		$120,000	$766,800	$472,000	$570,000	$20,000			$1,948,800	Enterprise
SW-7	C	Water Meters Digital Upgrade	1	TBD			Replace								$2,000,000	$2,000,000	Enterprise
Tank Improvements																	
T-1	C	Storage Tank Improvements	1	TBD												$450,000	Enterprise

Pipeline projects

Groundwater wells

Groundwater well treatment

Surface water projects

Storage improvements

P = Planning Project; C = Construction Project

[1] *Project Listed in Draft Capital Improvement Plan Provided by the City.*

[2] *Project Proposed for Inclusion in CIP; additional details in Water Feasibility Study.*

[3] *Supply Projects are potentially interchangeable based on timing and demand needs.*

[4] *Planned well replacement by the year 2030, as a result of reaching useful life expectancy.*

[5] *Additional well will be needed sometime after 2030 to address supply needs, as illustrated in Figure 3-1.*

[6] *SRF refers to the California State Revolving Fund*

Solutions

Table 3-11: Pipeline Projects (From Water Model)

Project No.	Project Description	Project Limits	Project Specifics			
			Ex. Diam. (in)	New Diam. (in)	Replace / New	Length (ft)
Fire Flow Projects						
F-1	Replace existing undersized, old main	Sycamore Ave from Hickory St to Sierra View St	6	8	Replace	1,275
F-2	Replace existing undersized, old main	Laurel Ave from Hickory St to Sierra View St	4	6	Replace	1,275
F-3	Replace existing undersized, old main	Page Ave from Sierra View St north to end of cul-de-sac	4	6	Replace	630
F-4	Replace existing undersized, old main	Samoa St from Lafayette Ave to Sycamore Ave	6	8	Replace	525
F-5	Replace existing undersized, old main	Orange Ave from Tulare Rd to Hermosa St	4	8	Replace	675
F-6	Replace existing undersized, old main	Oxford Ave from Hermosa St to Samoa St	4	8	Replace	1,300
F-7	Install new main to complete loop	Behind shopping center near Hermosa St and Westwood Ave	---	8	New	180
F-8	Install new main to complete loop	Apia St along edge of Olive Grove Ball Park	---	8	New	380
F-9	Install new main to complete loop	Easement from Elmwood Ave to alley off Lewis St between Elmwood Ave and Mirage Ave	---	8	New	200
F-10	Relocate existing rear yard main to street ROW; complete loop	Homassel Ave from Tulare Rd to Hermosa St	8	8	Replace	1,625
Pipeline Replacement Projects						
P-1	Replace existing undersized, old main	Lafayette Ave from Sierra View St to Tulare Rd	4	6	Replace	1,300
P-2[1]	Replace existing undersized, old main	Sycamore Ave from Sierra View St to Tulare Rd	4	6	Replace	1,300
P-3[2]	Replace existing undersized, old main	Laurel Ave from Sierra View St to Tulare Rd	4	6	Replace	1,300
P-4	Replace existing undersized, old main	Page Ave from Sierra View St to Tulare Rd	4	6	Replace	1,300
P-5	Relocate existing rear yard main to street ROW and upsize	Lafayette Ave from Hermosa St to Tulare Rd	6	8	Replace	1,275
P-6	Relocate existing rear yard main to street ROW and upsize	Sycamore Ave from Hermosa St to Tulare Rd	6	8	Replace	1,250
P-7	Replace undersized main	Hermosa St from Lafayette Ave to Foothill Ave	6	8	Replace	1,350

[1] Completed from Tulare to Alameda
[2] Completed

Table 3-12: Pipeline Projects Construction Cost

Project No.	Construction Cost	Construction Contingency (30%)	Engineering & Construction Management (18%)	Total Preliminary Cost Estimate
Fire Flow Projects				
F-1	$391,900	$117,600	$70,500	$580,000
F-2	$391,900	$117,600	$70,500	$580,000
F-3	$192,900	$57,900	$34,700	$285,500
F-4	$162,300	$48,700	$29,200	$240,200
F-5	$208,200	$62,500	$37,500	$308,200
F-6	$398,000	$119,400	$71,600	$589,000
F-7	$55,100	$16,500	$9,900	$81,500
F-8	$116,300	$34,900	$20,900	$172,100
F-9	$61,200	$18,400	$11,000	$90,600
F-10	$499,000	$149,700	$89,800	$738,500
Subtotal				**$3,665,600**
Pipeline Replacement Projects				
P-1	$412,000	$123,600	$74,200	$609,800
P-2	$199,000[1]	$59,700[1]	$35,800[1]	$294,500[1]
P-3	Completed	Completed	Completed	--
P-4	$398,000	$119,400	$71,600	$589,000
P-5	$413,300	$124,000	$74,400	$611,700
P-6	$391,900	$117,600	$70,500	$580,000
P-7	$382,700	$114,800	$68,900	$566,400
P-8	$413,300	$124,000	$74,400	$611,700
Subtotal				**$3,253,300**

[1] Remaining estimated cost, as project has already been partially completed.

Solutions

Table 3-14: Groundwater Well Treatment Projects Construction Cost

Project Name	Project Description	Construction Cost	Construction Contingency (30%)	Engineering & Construction Management (18%)	Total Preliminary Cost Opinion
WT-1	Well 11 – Treatment Alternatives	--	--	--	$25,000[1]
WT-2	Well 11 – Treatment PS&E	--	--	$150,000	$150,000
WT-3	Well 11 - Treatment	$5,943,000	--	--	$5,943,000[1]
WT-4	Well 14 Upgrades	$150,000	--	--	$150,000

[1] Costs already included in Draft CIP from City.

SOLUTIONS

Project No.	Project Type	Project Description	Notes	Project Limits	Project Specifics				Project Timing							Estimated Grand Total	Possible Funding Source
					Ex. Size/ Diam.	New Size/ Diam.	Replace/ New	Length	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030		
Pipelines																	
Varies (See Table 3-11)	C	Main Line Replacement/ Dead End Elimination	1, 2	TBD	8 in	8 in	Replace	1,300 ft	$988,000	$988,000	$988,000	$988,000	$988,000	$988,000	$988,000	$6,916,000	Enterprise
Groundwater Wells																	
GW-1	C	Drinking Water Test Well #1	1	TBD			New		$300,000							$300,000	Enterprise
GW-2	C	New Well #1 (Winter Demand)	2, 4	TBD		850 gpm	New			$2,220,000						$2,220,000	Enterprise
GW-3	C	New Well #1 Infrastructure	2	TBD			New			$2,700,000						$2,700,000	Enterprise
GW-4	C	Drinking Water Test Well #2	1	TBD			New				$300,000					$300,000	Enterprise
GW-5	C	New Well #2 (Winter Demand)	2,4	TBD		1,000 gpm	New					$2,220,000				$2,220,000	Enterprise
GW-6	C	New Well #2 Infrastructure	2	TBD			New					$2,700,000				$2,700,000	Enterprise
GW-7	C	Drinking W														$300,000	Enterprise
GW-8	C	Replaceme														$2,220,000	Enterprise
GW-9	C	New Well #														$2,220,000	Enterprise
GW-10	C	New Well #														$2,700,000	Enterprise
GW-11	C	Harvard Pa														$1,500,000	Enterprise
GW-12	C	City Park I														$1,500,000	Enterprise
Ground Water Well Treatment																	
WT-1	P	Well 11 - T														$25,000	Enterprise
WT-2	P	Well 11 - T														$150,000	SRF[6]
WT-3	C	Well 11 - W														$5,943,000	SRF[6]
WT-4	C	Well 14 - U														$150,000	Enterprise
Surface Water Projects																	
SW-1	C	DBP Mitiga														$500,000	Enterprise
SW-2	C	Filter Bank D Renovations	1	SWTP			Replace		$400,000							$400,000	Enterprise
SW-3	C	Water Plant Upgrades	1, 2	SWTP			Replace			$100,000						$100,000	Enterprise
SW-4	C	Clarifier Renovations	1, 2	SWTP			Replace			$10,000						$10,000	Enterprise
SW-5	C	Turnout Upgrades	1	Canal Turnout			Replace				$100,000	$100,000				$200,000	Enterprise
SW-6	C	Appurtenances (Approved CIP)	1	TBD			Replace		$120,000	$766,800	$472,000	$570,000	$20,000			$1,948,800	Enterprise
SW-7	C	Water Meters Digital Upgrade	1	TBD			Replace								$2,000,000	$2,000,000	Enterprise
Tank Improvements																	
T-1	C	Storage Tank Improvements	1	TBD			Replace				$450,000					$450,000	Enterprise
Totals									**$2,833,000**	**$12,727,800**	**$2,310,000**	**$8,578,000**	**$1,308,000**	**$3,208,000**	**$10,908,000**	**$38,872,800**	

P = Planning Project; C = Construction Project
[1] Project Listed in Draft Capital Improvement Plan Provided by the City.
[2] Project Proposed for Inclusion in CIP; additional details in Water Feasibility Study.
[3] Supply Projects are potentially interchangeable based on timing and demand needs.
[4] Planned well replacement by the year 2030, as a result of reaching useful life expectancy.
[5] Additional well will be needed sometime after 2030 to address supply needs, as illustrated in Figure 3-1.
[6] SRF refers to the California State Revolving Fund

Projected total project capital improvement needed

$38,872,800

Water Quality & Safety

Current

- ✓ Fire flow supply
- ✓ Lead & copper
- ✓ Corrosion control
- ✓ Disinfection byproducts (DBP)
- ✓ Turbidity exceedances
- ✓ Perchlorate & nitrate- well 11

Future

- ✓ Hexavalent chromium (cr6)
- ✓ 1, 2, 3 Trichloro propane (1,2,3-TCP)

Key Findings

The water feasibility study has provided valuable information regarding the challenges facing the city's water supply system and has recommended several projects to address these challenges:

- Aging infrastructure and equipment capital improvement plan
  - Pose a significant risk to the reliability and safety of the water supply system
- Reliable water supply
- Quality & safe drinking water

The city's water rates revenues are significantly below the existing expenditures and do not cover the cost of providing current water services or needed capital improvement projects

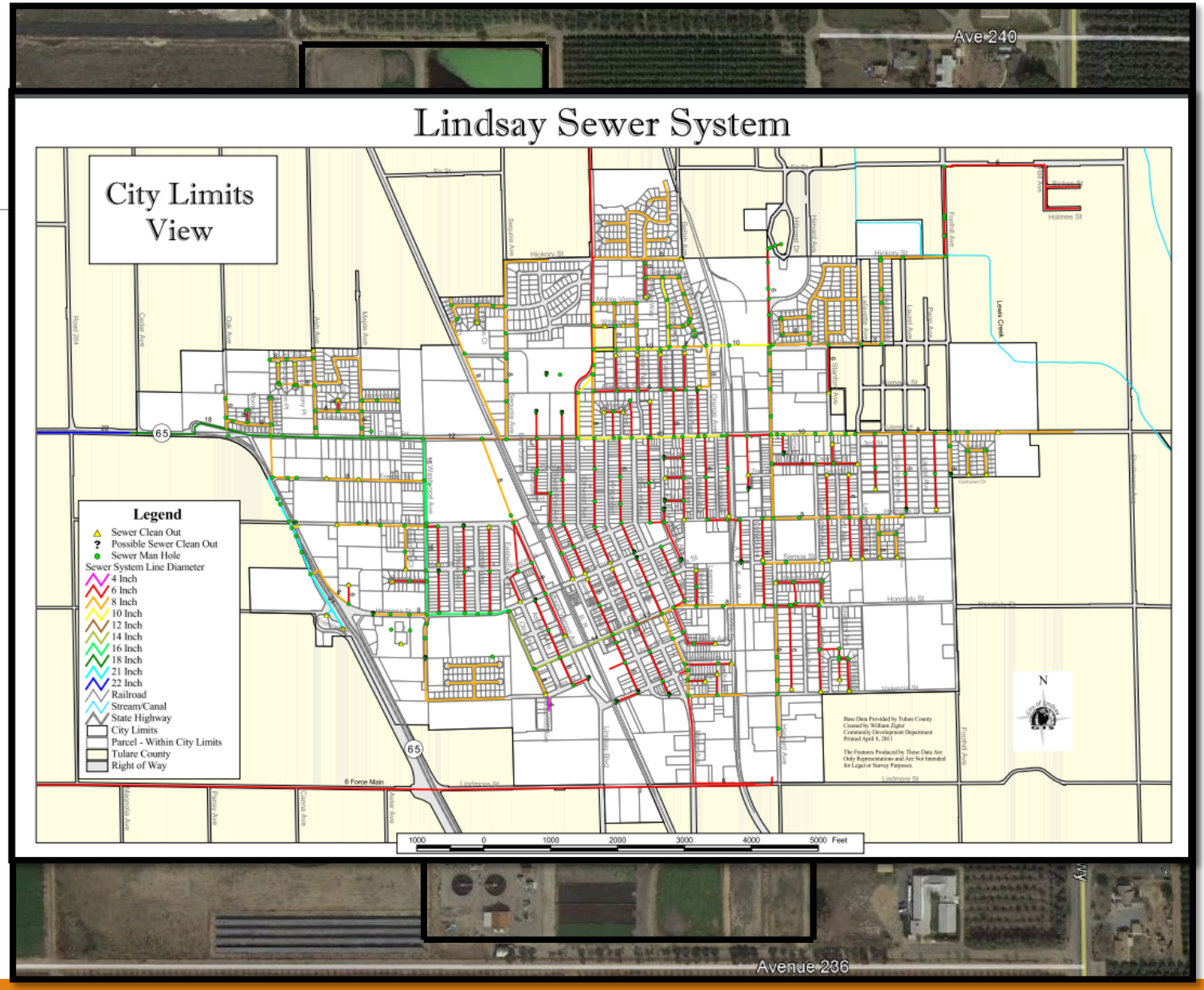
Wastewater System

WWTP 1999 expansion

2,250 gallons/day

41.96 miles of pipeline

4 lift stations



City of Lindsay

Water Fund History

	20/21	21/22	22/23	23/24
Revenues	$1,686,268.72	$1,777,076.66	$1,588,477.30	$1,799,056.30
Expenditures	$1,883,927.45	$1,876,724.08	$2,198,666.16	$2,174,020.92
Surplus/deficit	($197,658.73)	($99,647.42)	($610,188.86)	($374,964.62)

Total DEFICIT over the past 4 years $1,282,459.63

City of Lindsay

Water Fund History

- Deficit spending is when your expenditures exceed your revenues, when this happens the funds must be covered from the general fund and rates must increase to keep the account solvent
- General fund is currently operating in a deficit and **can not** support other funds
- Rates have not increased since 2009
- State audit report posted august 26, 2021 addressed concerns that our enterprise funds experience frequent DEFICIT BALANCES and that these deficits must be remedied

CITY OF LINDSAY

WATER FUND HISTORY

Table 3

Lindsay's Enterprise Funds Experienced Frequent Deficit Balances From Fiscal Years 2015–16 Through 2019–20 (In Thousands)

FUND	2015–16	2016–17	2017–18	2018–19	2019–20
Water	$1,039	$1,100	$(585)	$(771)	$(966)
Sewer	(1,094)	1,253	(535)	36	341
Wellness Center	(940)	(879)	(283)	(360)	(319)

Source: Lindsay's audited financial statements.

Note: These amounts include the effect of both operating and nonoperating revenues and expenditures, and therefore the operating deficits discussed in the report do not correspond directly to these amounts.

Beginning a pathway towards the improvement of water reliability, quality and safety. City growth & Economic Development.

- The city of Lindsay understands the need for a rate increase to maintain our water infrastructure to supply water to the community but also understands that it is important to keep the costs affordable for our community members
- The city has hired Bartle Wells Associates to complete a water rate study to present multiple options on increasing water rates to make the water fund solvent but least impactful to our community

City of Lindsay

2024 Water and Wastewater Rate Study

AUGUST 27, 2024

Presentation Overview

- Rate Study Overview
- Proposition 218
- Water Financial Plan & Rates
- Wastewater Financial Plan & Rates
- Next Steps
- Questions and Discussion

Rate Study Objectives

- Revenue Sufficiency
  - Sufficient to fund operations, capital project, debt service, etc.
- Legal Compliance
  - Prop. 218

Rate Study Process

- 10-Year Financial Plans
  - Fund long-term operating, debt service and capital needs
  - Evaluate rate revenue alternatives
- Cost of Service Rate Analysis
  - Develop updated rates that reflect the cost of service and meet annual revenue requirements
  - Evaluate rate design alternatives

Proposition 218

Voter-approved constitutional amendment 1996

- Added Articles 13C & 13D to the California Constitution

Substantive requirements for property-related charges

- Rates cannot exceed cost of providing service
- Proportionate cost recovery (fair and equitable)

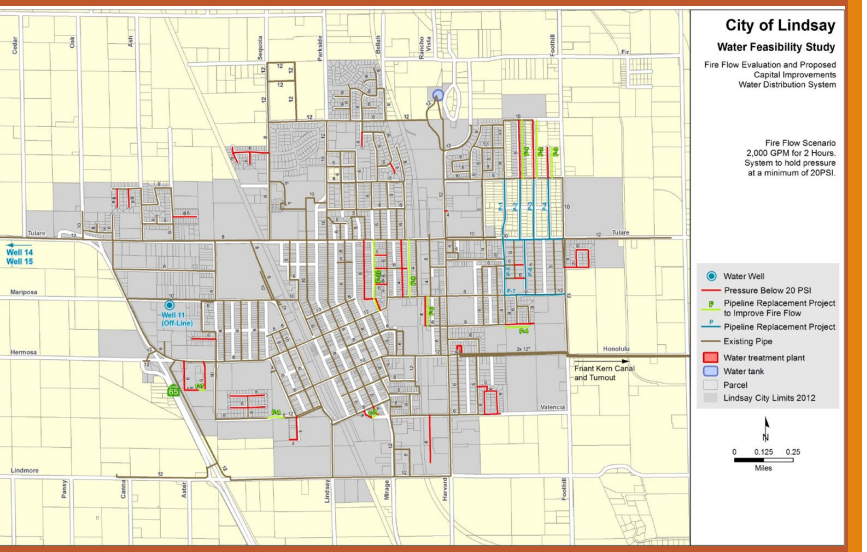
Procedural requirements for rate increases

- Mail notice of rate increases to all property owners/customers
- Hold public hearing at least 45 days after the mailing
- Rates are subject to “majority protest”

Water Enterprise Overview

- Responsible for providing clean drinking water to 12,600 people via over 3,000 metered connections
- Rates are the main source of revenues and need to be set at levels adequate to fund the cost of providing service
- The water enterprise has not raised rates since 2009

Projected Water Capital Improvements



Some of the less critical projects in the feasibility study were pushed out beyond the 10-year financial plan due to the cost.

Feasibility Study Total Capital Needs

$38,872,800

Total 10-Year Capital Plan in Rate Study

$26,329,319

System Improvements:
$1,193,290

Pipeline Replacement:
$5,916,768

Groundwater Wells:
$10,609,147

Surface Water Projects:
$1,420,432

Tank Improvements:
$547,494

Water Financial Challenges

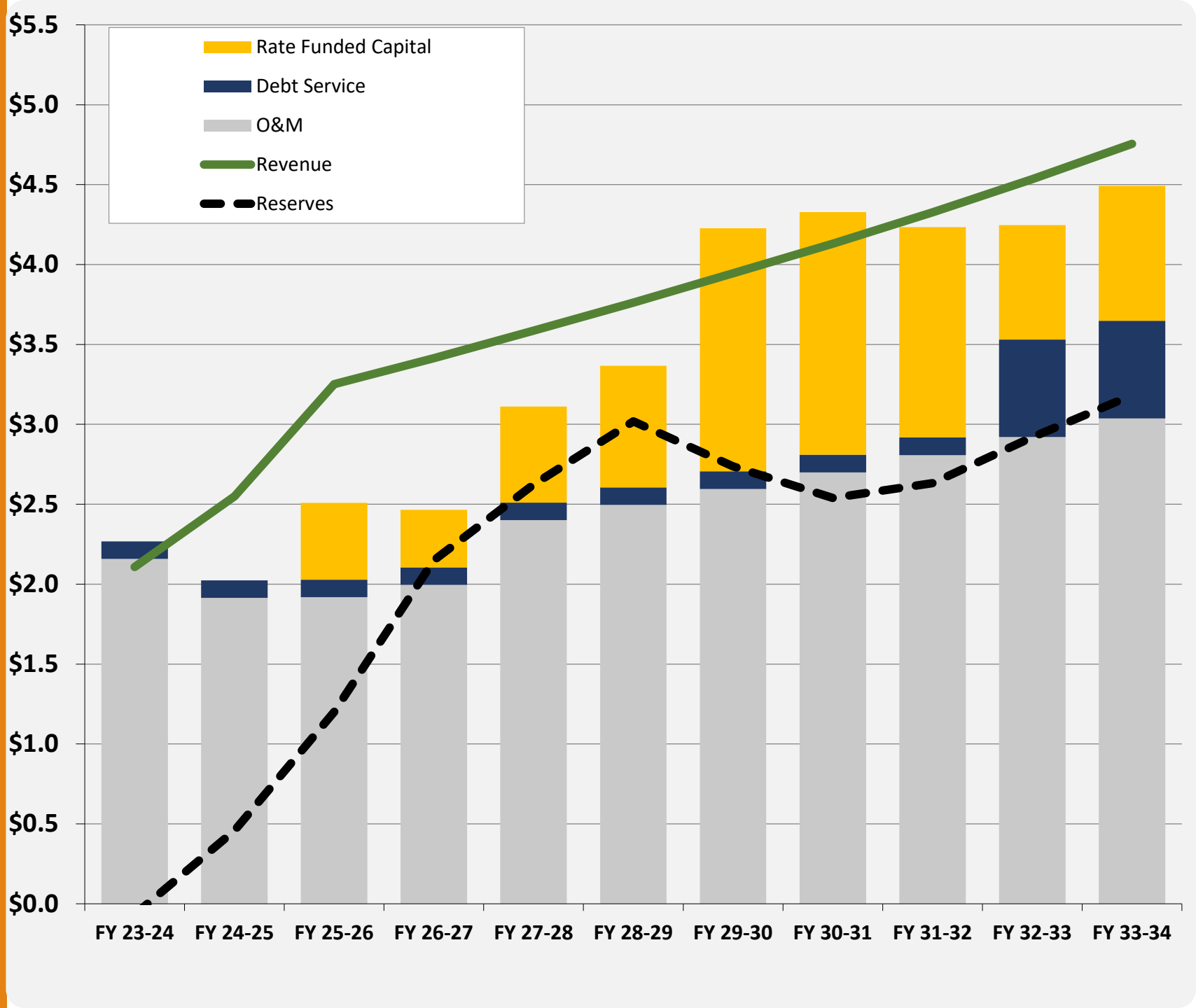
- BWA developed updated financial projections to identify funding needs & evaluate rate increases
- Annual Deficits
  - Projected $100k deficit in FY 24/25
- Operating cost inflation
  - 47% inflation since rates were last set in 2009
  - Projection of 4% per year over next 5 years
  - Annual rate adjustments needed to keep rates in line with escalating costs (electricity, staffing, materials, insurance, etc.)
- Aging infrastructure & capital improvement needs
  - Water system upgrades, repairs & replacements needed maintain safe & reliable operations
  - $2.2 million in rate funded capital over the next 5 years
  - Annual cash funding target in FY 28-29: $1.0 million
- Build Prudent Reserves
  - No remaining reserve
  - Emergencies, demand fluctuation, cash funding capital, etc.

Water Rate Scenarios

Water Rate Scenarios	Jan. 1, 2025	Jan. 1, 2026	Jan. 1, 2027	Jan. 1, 2028	Jan. 1, 2029
No Change in Rates					
Rate Revenue Increase ($)	$0	$0	$0	$0	$0
Rate Revenue Increase (%)	0.0%	0.0%	0.0%	0.0%	0.0%
Ending Reserve Balance	-$164,384	-$745,420	-$1,283,623	-$2,468,156	-$3,907,298
Scenario 1: Immediate Revenue Increases					
Rate Revenue Increase ($)	$622,164	$151,097	$158,652	$166,584	$174,914
Rate Revenue Increase (%)	70.0%	5.0%	5.0%	5.0%	5.0%
Ending Reserve Balance	$457,780	$1,201,198	$2,149,757	$2,624,090	$3,019,307
Scenario 2: Partial Phase-In Revenue Increases					
Rate Revenue Increase ($)	$444,403	$533,283	$159,985	$167,984	$176,383
Rate Revenue Increase (%)	50.0%	20.0%	5.0%	5.0%	5.0%
Ending Reserve Balance	$280,018	$857,230	$1,829,681	$2,329,510	$2,751,913
Scenario 3: Full Phase-In Revenue Increases					
Rate Revenue Increase ($)	$311,082	$599,944	$449,958	$344,968	$189,732
Rate Revenue Increase (%)	35.0%	25.0%	15.0%	10.0%	5.0%

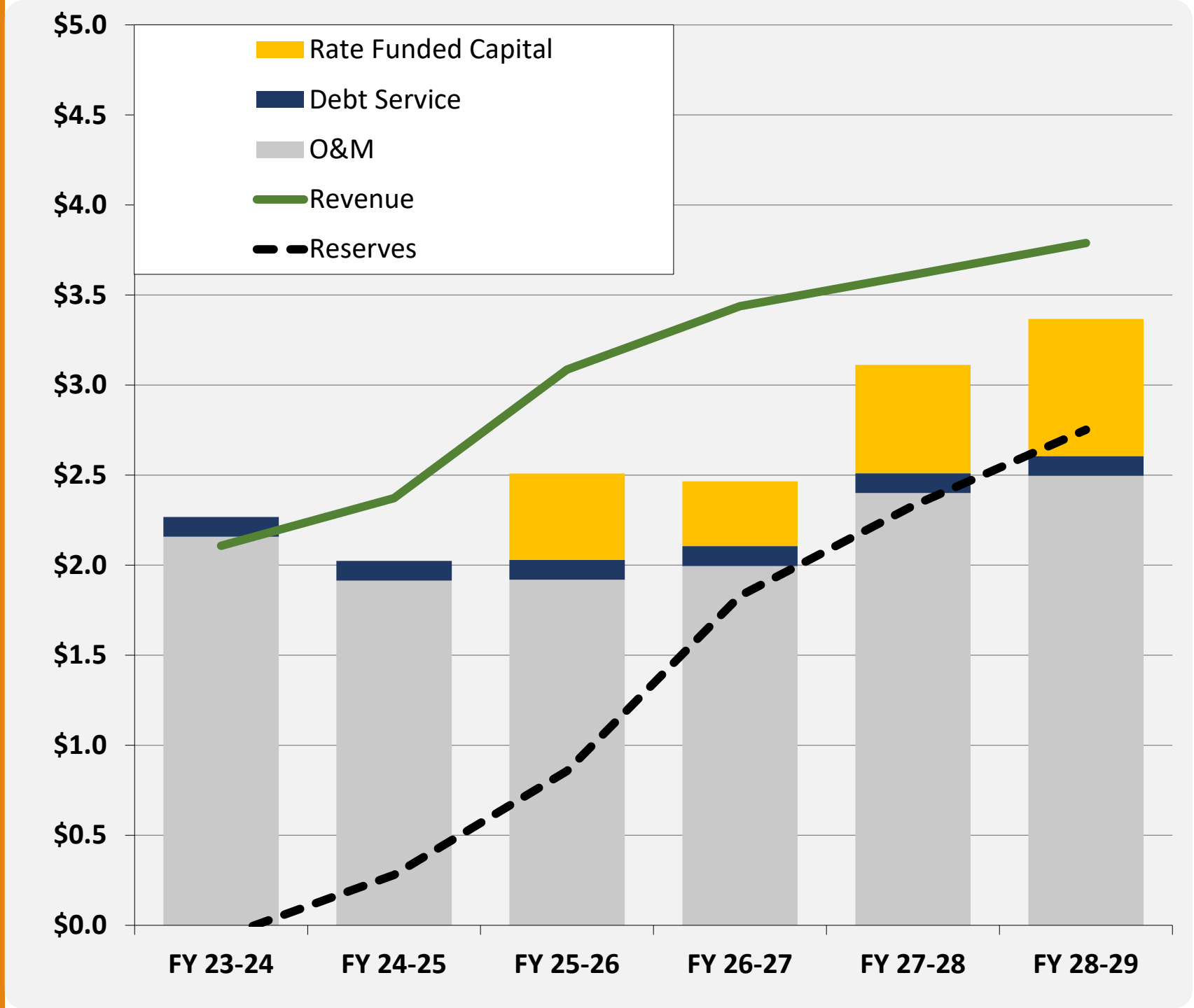
10-Year Water Financial Plan *($Millions)*

Scenario 1: Immediate Revenue Increases



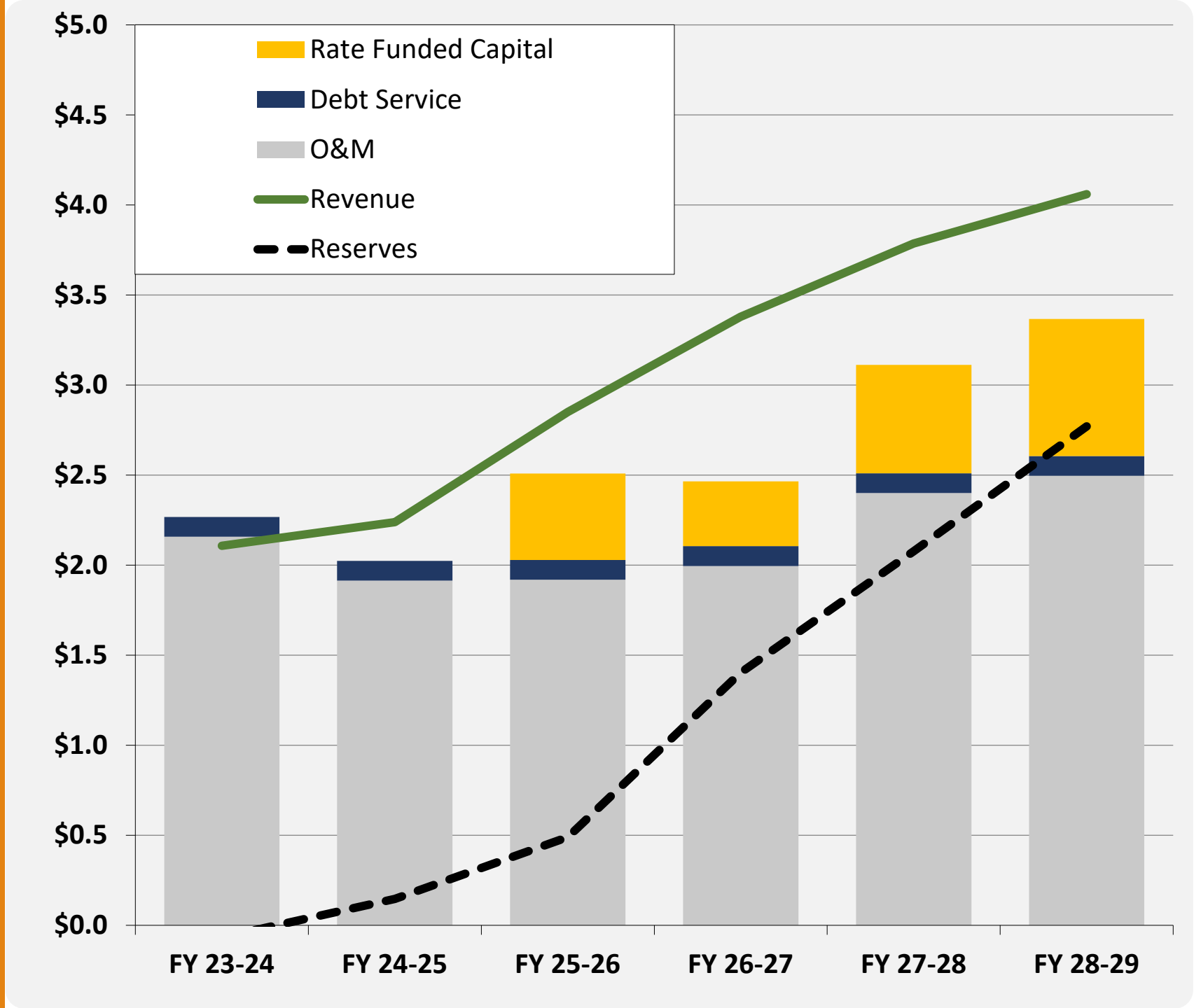
5-Year Water Financial Plan *($Millions)*

Scenario 2: Partial Phase-In Revenue Increases



5-Year Water Financial Plan *($Millions)*

Scenario 3: Full Phase-In Revenue Increases

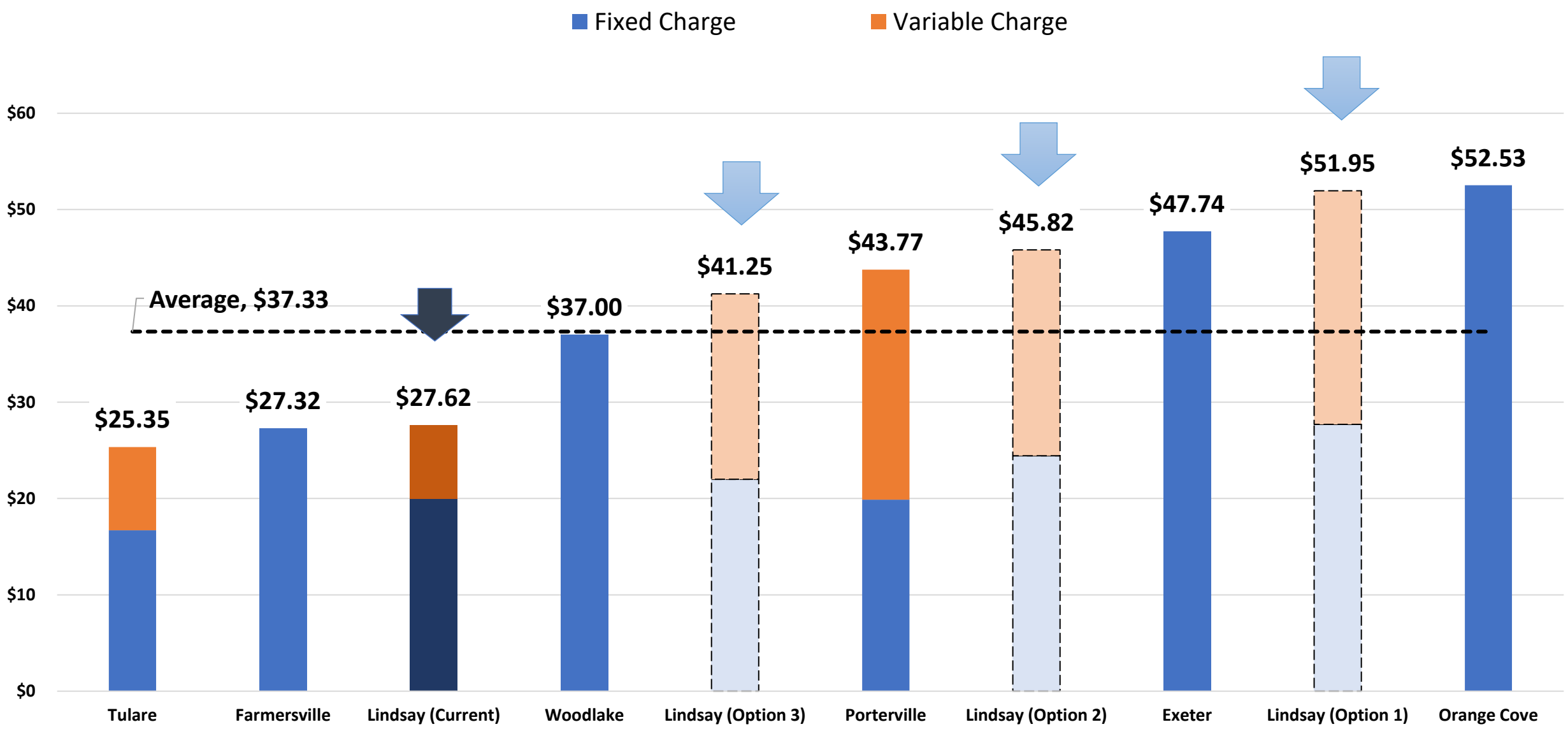


Water Rate Structure Changes

- **Uniform volumetric rate**
- **Fixed rates reflect meter capacity ratios**
  - Multi-family residential charges based on meter size
- **Remove fire standby charge**

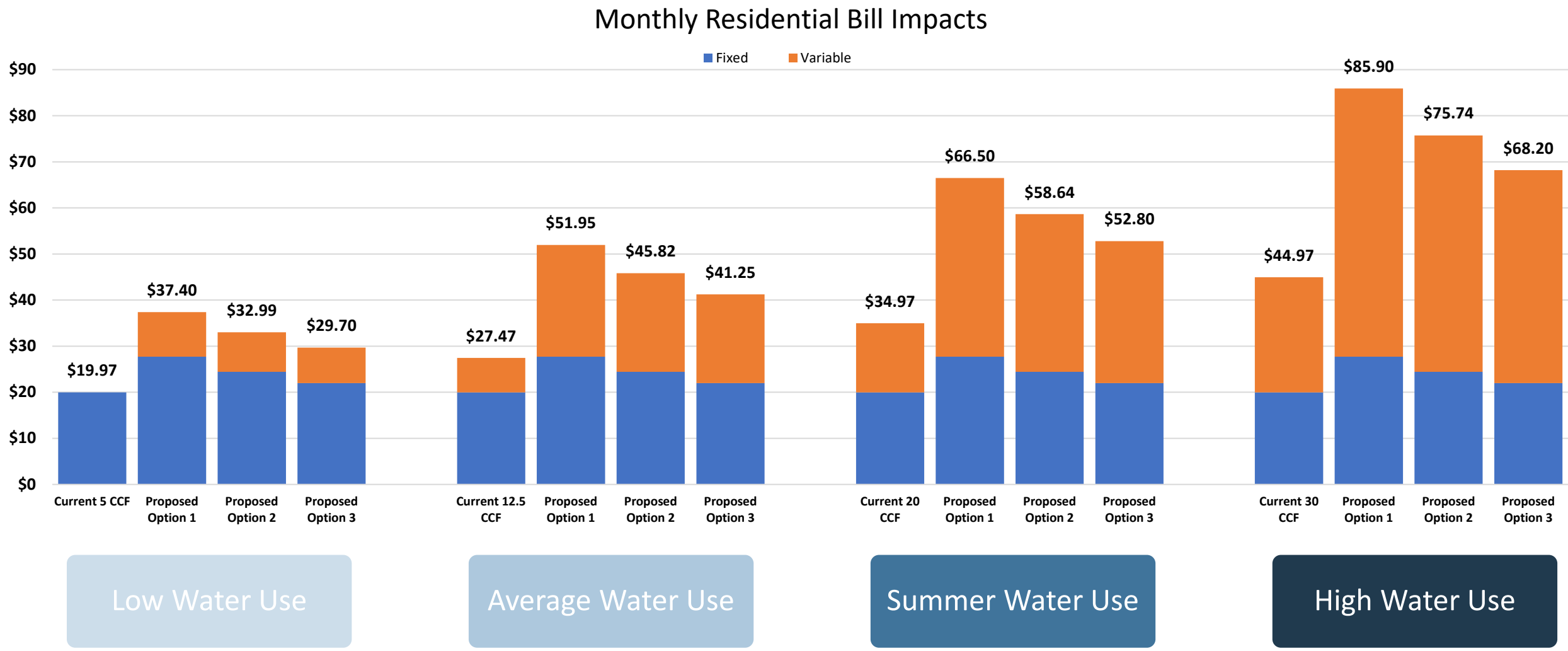
- **<u>Reasons for the recommendations:</u>**
  - Clearest nexus between costs and rates
    - More defensible
  - Less administrative burden (leak adjustments, software, etc.)
  - Easier to understand and explain
  - Increase revenue stability
  - Improve customer equity
  - Better reflect current system

Monthly Single Family Residential Water Bills, 5/8" & 12.5 CCF



Year 1 Bill Comparison:

BWA recommended transitioning to a uniform rate structure (no units in the base charge and a single rate for every unit of water sold). Benefits include straight forward 218 compliance (clear nexus between cost of service and rates).



5-Year Water Financial Plan

Scenario 1: Immediate Revenue Increases

Monthly Volumetric Rates	FY 24-25	January 1, 2025	January 1, 2026	January 1, 2027	January 1, 2028	January 1 2029
	Existing	*Proposed*	*Proposed*	*Proposed*	*Proposed*	*Proposed*
Tier 1 (0-5 CCF)	$0.00	$1.94	$2.04	$2.15	$2.26	$2.38
Tier 2 (5+ CCF)	$1.02	$1.94	$2.04	$2.15	$2.26	$2.38

Monthly Fixed Rates	FY 24-25	January 1, 2025	January 1, 2026	January 1, 2027	January 1, 2028	January 1 2029
	Existing	*Proposed*	*Proposed*	*Proposed*	*Proposed*	*Proposed*
Multi-Unit (Per Unit)	$19.97	Based on Meter Size				
Meter Size						
5/8"	$19.97	$27.70	$29.09	$30.54	$32.07	$33.67
3/4"	$19.97	$27.70	$29.09	$30.54	$32.07	$33.67
1"	$27.53	$46.16	$48.47	$50.89	$53.43	$56.10
1 1/2"	$35.71	$92.33	$96.95	$101.80	$106.89	$112.23
2"	$50.00	$147.73	$155.12	$162.88	$171.02	$179.57
3"	$69.19	$295.45	$310.22	$325.73	$342.02	$359.12
4"	$85.88	$461.65	$484.73	$508.97	$534.42	$561.14
6"	$102.55	$1,200.28	$1,260.29	$1,323.30	$1,389.47	$1,458.94
8"	$121.68	$1,477.26	$1,551.12	$1,628.68	$1,710.11	$1,795.62
Fire Stand-By	$13.27	$0.00	$0.00	$0.00	$0.00	$0.00

5-Year Water Financial Plan

Scenario 2: Partial Phase-In Rate Increases

Monthly Volumetric Rates	FY 24-25	January 1, 2025	January 1, 2026	January 1, 2027	January 1, 2028	January 1, 2029
	Existing	*Proposed*	*Proposed*	*Proposed*	*Proposed*	*Proposed*
Tier 1 (0-5 CCF)	$0.00	$1.71	$2.06	$2.17	$2.28	$2.40
Tier 2 (5+ CCF)	$1.02	$1.71	$2.06	$2.17	$2.28	$2.40

Monthly Fixed Rates	FY 24-25	January 1, 2025	January 1, 2026	January 1, 2027	January 1, 2028	January 1, 2029
	Existing	*Proposed*	*Proposed*	*Proposed*	*Proposed*	*Proposed*
Multi-Unit (Per Unit)	$19.97	Based on Meter Size				
Meter Size						
5/8"	$19.97	$24.44	$29.33	$30.80	$32.34	$33.96
3/4"	$19.97	$24.44	$29.33	$30.80	$32.34	$33.96
1"	$27.53	$40.73	$48.88	$51.32	$53.89	$56.58
1 1/2"	$35.71	$81.47	$97.76	$102.65	$107.78	$113.17
2"	$50.00	$130.35	$156.42	$164.24	$172.45	$181.07
3"	$69.19	$260.69	$312.83	$328.47	$344.89	$362.13
4"	$85.88	$407.33	$488.80	$513.24	$538.90	$565.85
6"	$102.55	$1,059.07	$1,270.88	$1,334.42	$1,401.14	$1,471.20
8"	$121.68	$1,303.47	$1,564.16	$1,642.37	$1,724.49	$1,810.71
Fire Stand-By	$13.27	$0.00	$0.00	$0.00	$0.00	$0.00

5-Year Water Financial Plan

Scenario 3: Full Phase-In Revenue Increases

Monthly Volumetric Rates	FY 24-25	January 1, 2025	January 1, 2026	January 1, 2027	January 1, 2028	January 1, 202
	Existing	*Proposed*	*Proposed*	*Proposed*	*Proposed*	*Propose*
Tier 1 (0-5 CCF)	$0.00	$1.54	$1.93	$2.22	$2.45	$2.5
Tier 2 (5+ CCF)	$1.02	$1.54	$1.93	$2.22	$2.45	$2.5

Monthly Fixed Rates	FY 24-25	January 1, 2025	January 1, 2026	January 1, 2027	January 1, 2028	January 1, 202
	Existing	*Proposed*	*Proposed*	*Proposed*	*Proposed*	*Propose*
Multi-Unit (Per Unit)	$19.97	Based on Meter Size				
Meter Size						
5/8"	$19.97	$22.00	$27.50	$31.63	$34.79	$36.5
3/4"	$19.97	$22.00	$27.50	$31.63	$34.79	$36.5
1"	$27.53	$36.66	$45.83	$52.70	$57.97	$60.8
1 1/2"	$35.71	$73.32	$91.65	$105.40	$115.94	$121.7
2"	$50.00	$117.31	$146.64	$168.64	$185.50	$194.7
3"	$69.19	$234.62	$293.28	$337.27	$371.00	$389.5
4"	$85.88	$366.60	$458.25	$526.99	$579.69	$608.6
6"	$102.55	$953.16	$1,191.45	$1,370.17	$1,507.19	$1,582.5
8"	$121.68	$1,173.12	$1,466.40	$1,686.36	$1,855.00	$1,947.7
Fire Stand-By	$13.27	$0.00	$0.00	$0.00	$0.00	$0.0

Sewer Enterprise Overview

- Responsible for providing wastewater collection and treatment to nearly 4,000 customers
- Rates are the main source of revenues and need to be set at levels adequate to fund the cost of providing service
- The water enterprise has not raised rates since 2009

Sewer Financial Challenges

- BWA developed updated financial projections to identify funding needs & evaluate rate increases

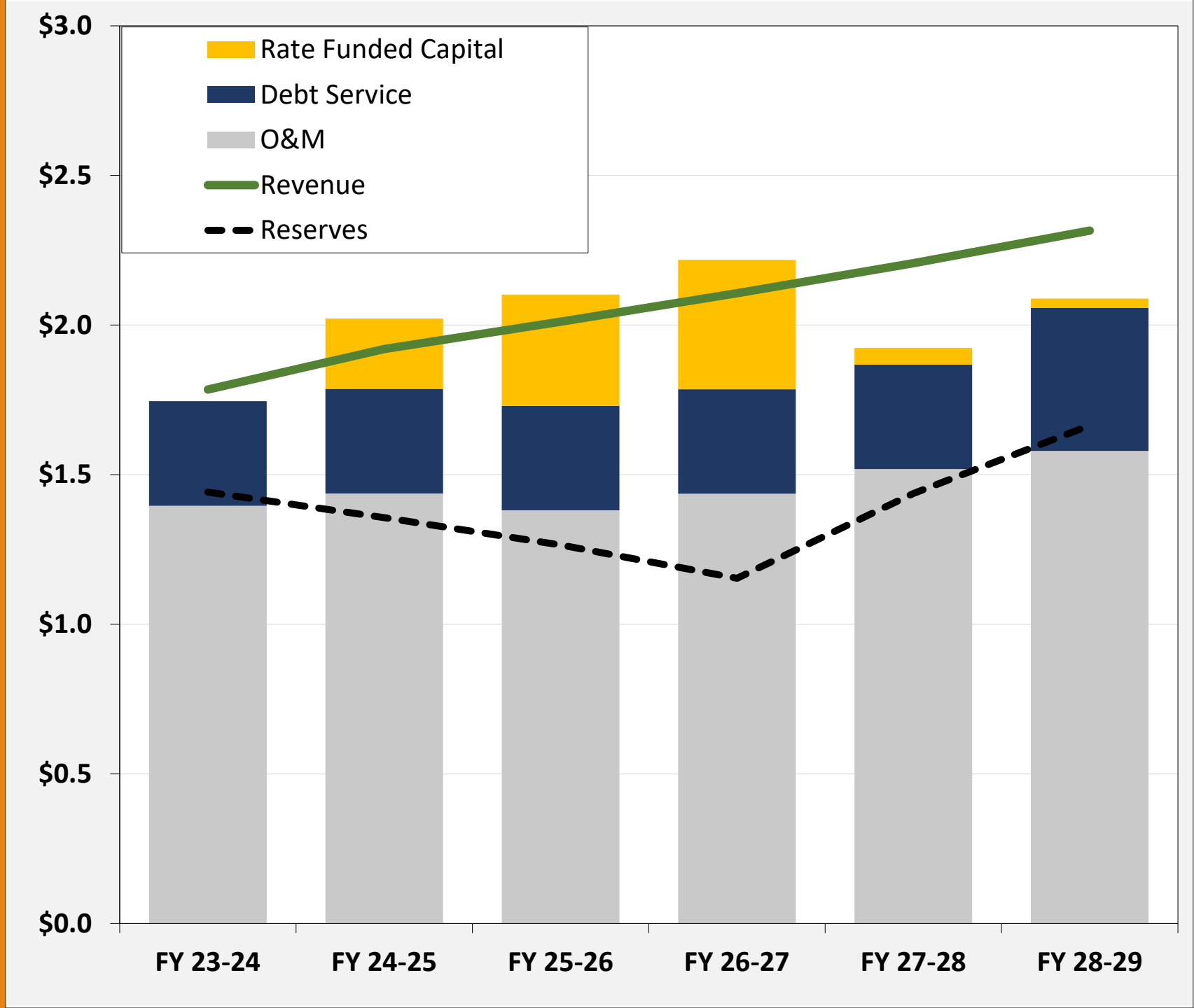
- Operating cost inflation
  - 47% inflation since rates were last set in 2009
  - Projection of 4% per year over next 5 years
  - Annual rate adjustments needed to keep rates in line with escalating costs (electricity, staffing, materials, insurance, etc.)

- Aging infrastructure & capital improvement needs
  - Water system upgrades, repairs & replacements needed maintain safe & reliable operations
  - $2.4 million in rate funded capital over the next 5 years
  - Finance $1.3 million in FY 27-28

- Build Prudent Reserves
  - Emergencies, demand fluctuation, cash funding capital, etc.

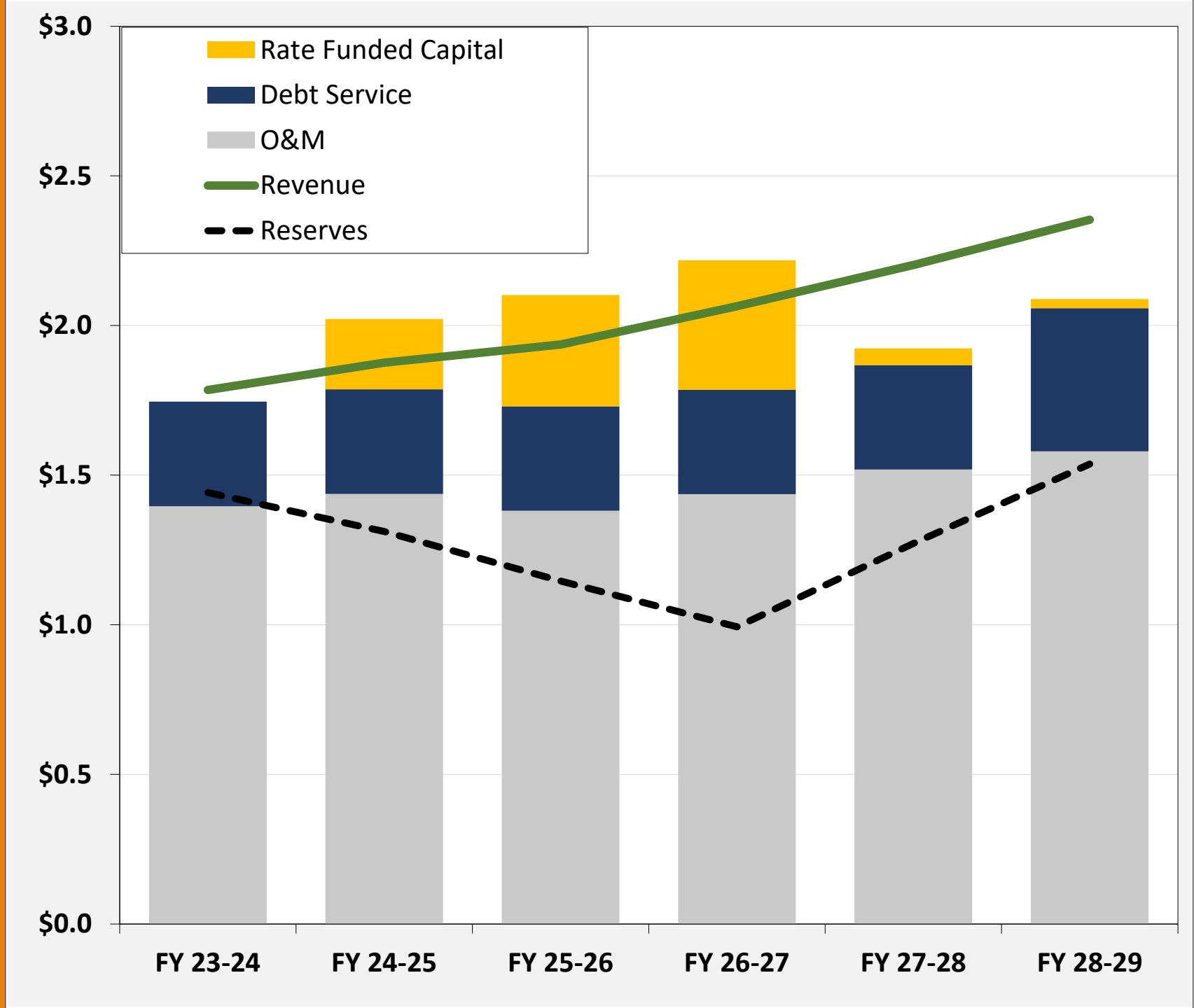
5-Year Sewer Financial Plan

Scenario 1: Immediate Revenue Increases



5-Year Sewer Financial Plan

Scenario 2: Delayed Revenue Increases

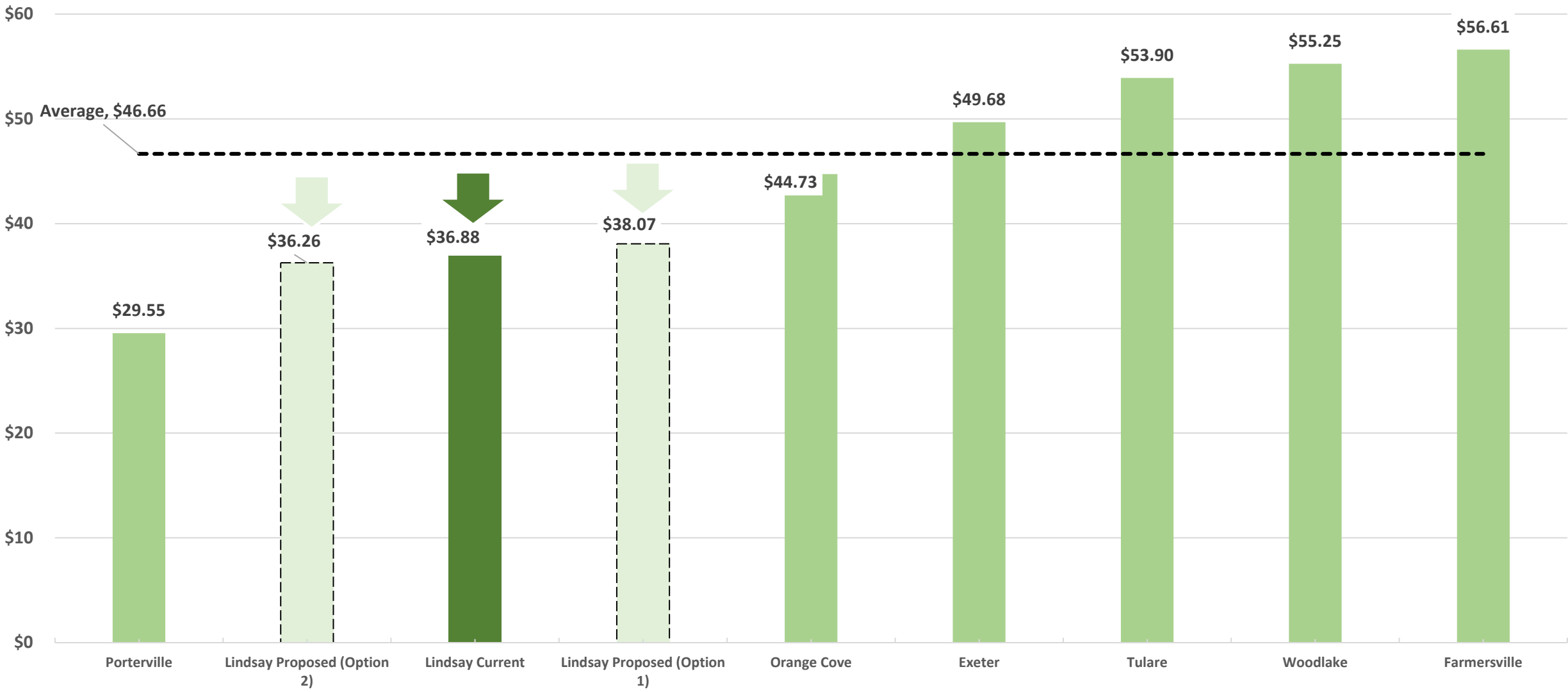


Sewer Rate Structure Changes

- **All non-residential customers pay a monthly fixed rate and a volumetric strength-based rate**

- **<u>Reasons for the recommendations:</u>**
  - Clearest nexus between costs and rates
    - More defensible
  - Uniformity and consistency
  - Easier to understand and explain
  - Improve customer equity
  - Better reflect current system

Monthly Single Family Residential Sewer Bills



5-Year Sewer Financial Plan

Scenario 1: Immediate Revenue Increases

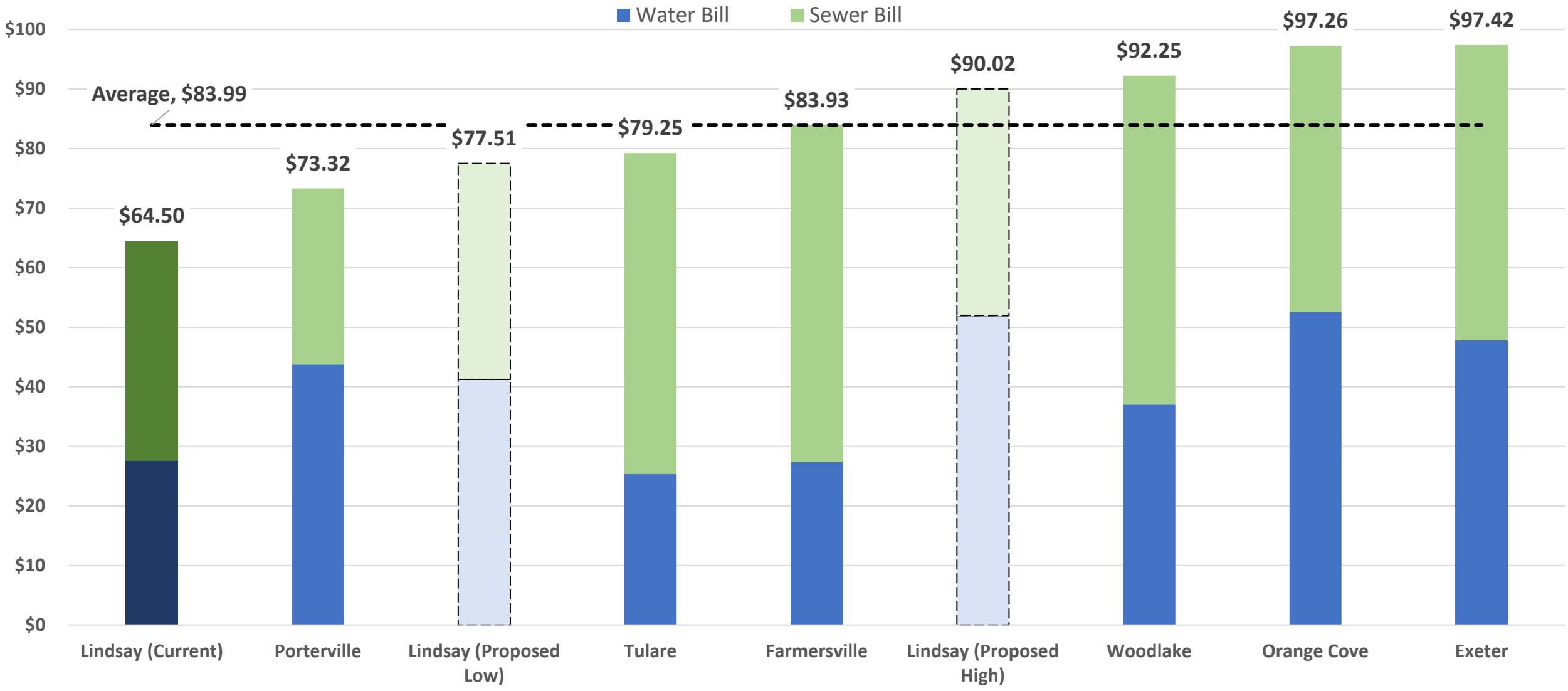
Monthly Wastewater Rates	FY 24-25	Jan. 1, 2025	Jan. 1, 2026	Jan. 1, 2027	Jan. 1, 2028	Jan. 1, 2029
	Existing	*Proposed*	*Proposed*	*Proposed*	*Proposed*	*Proposed*
Residential (Monthly Fixed, per dwelling)						
Single Family	$36.88	$38.07	$39.97	$41.97	$44.07	$46.27
Multi-Family	$36.88	$38.07	$39.97	$41.97	$44.07	$46.27
Mobile Homes	$36.88	$38.07	$39.97	$41.97	$44.07	$46.27
School (Monthly Fixed Charge per Student)	$0.22	$0.21	$0.22	$0.23	$0.24	$0.26
Non-Residential (Fixed + Volumetric)						
Monthly Fixed Charge Per Customer		$28.28	$29.69	$31.18	$32.74	$34.37
Volumetric Rates (per CCF)						
Low Flow (Per CCF)		$0.72	$0.75	$0.79	$0.83	$0.87
Medium Flow (Per CCF)		$0.98	$1.03	$1.08	$1.13	$1.19
High Flow (Per CCF)		$1.96	$2.05	$2.16	$2.27	$2.38
Commercial (Monthly Fixed Charge Per Customer)	$36.88	Non-Residential Volumetric Strength + Fixed Charge				
Laundromats & Car Washes (per CCF)	$1.85	Non-Residential Medium Strength + Fixed Charge				
Hotels, Motels, & Hospitals (Monthly Fixed per Room)	$7.28	Non-Residential Medium Strength + Fixed Charge				
Restaurants (per CCF)	$2.90	Non-Residential High Strength + Fixed Charge				

5-Year Sewer Financial Plan

Scenario 2: Delayed Revenue Increases

Monthly Wastewater Rates	FY 24-25	Jan. 1, 2025	Jan. 1, 2026	Jan. 1, 2027	Jan. 1, 2028	Jan. 1, 2029
	Existing	*Proposed*	*Proposed*	*Proposed*	*Proposed*	*Proposed*
Residential (Monthly Fixed, per dwelling)						
Single Family	$36.88	$36.26	$38.80	$41.51	$44.42	$47.53
Multi-Family	$36.88	$36.26	$38.80	$41.51	$44.42	$47.53
Mobile Homes	$36.88	$36.26	$38.80	$41.51	$44.42	$47.53
School (Monthly Fixed Charge per Student)	$0.22	$0.20	$0.21	$0.23	$0.25	$0.26
Non-Residential (Fixed + Volumetric)						
Monthly Fixed Charge Per Customer		$26.94	$28.83	$30.84	$33.00	$35.31
Volumetric Rates (per CCF)						
Low Flow (Per CCF)		$0.68	$0.73	$0.78	$0.84	$0.90
Medium Flow (Per CCF)		$0.93	$1.00	$1.07	$1.14	$1.22
High Flow (Per CCF)		$1.86	$1.99	$2.13	$2.28	$2.44
Commercial (Monthly Fixed Charge Per Customer)	$36.88	Non-Residential Volumetric Strength + Fixed Charge				
Laundromats & Car Washes (per CCF)	$1.85	Non-Residential Medium Strength + Fixed Charge				
Hotels, Motels, & Hospitals (Monthly Fixed per Room)	$7.28	Non-Residential Medium Strength + Fixed Charge				
Restaurants (per CCF)	$2.90	Non-Residential High Strength + Fixed Charge				

Monthly Single Family Residential Combined Water and Sewer Bill



Rate Study Next Steps

Prop 218 Notice Period Sept-Oct

PUBLIC OUTREACH AGENDA

- **Kawanis**- September 5, 2024 at 5:30 pm (Hospital Board Room) by Daymon Qualls
- **Chamber of Commerce**- September 3, 2024 at 5:30 pm by Armando Da Silva
- **Coffee Talk** at Wellness Center At 7 am on September 6 & October 4, 2024 by Daymon Qualls
- **Rotary Lions Club**- September 12, 2024 at 6 pm (China's restaurant) by Armando Da Silva
- **Lindsay Hospital Board**- September 17, 2024 at 6:00 pm by Armando Da Silva
- **Townhall on September 18 (English) at 6 pm & October 11 (Spanish) at 6 pm.**
- **Lindsay Wellness Center Programming Committee** at 6:00 pm on October 21
- **Commercial & Industrial Accounts:** Vita Pakt, Lindsay School District, Save Mart, McDermont, NDS, Etc. by Lacy Meneses

*Advertisement on Facebook & Instagram

Council Action

1. **Receive the Water and Sewer Rate Draft Study Report prepared by Bartle Wells and Associates** and;
2. **Provide direction on the recommended rate adjustments for the Water Enterprise Fund**;
   - **Option 1**-Immediate Rate Revenue Increases
   - **Option 2**-Partial-Phase In Rate Revenue Increases
   - **Option 3**-Full-Phase In Rate Revenue Increases
3. **Provide direction on the recommended rate adjustments for the Wastewater Enterprise Fund**;
   - **Option 1-**Immediate Rate Revenue Increases
   - **Option 2-**Delayed Rate Revenue Increases
4. **Authorize Resolution No. 24-30 setting a Proposition 218 Public Hearing date where the recommended rate adjustments will be considered for adoption**
   - October 22, 2024 Public Hearing Date
5. **Authorize staff to send a Notice of Public Hearing to City of Lindsay water and wastewater customers**

Questions and Comments

Bartle Wells Associates