

Valparaiso City Utilities

*Capital Infrastructure Projects
Water and Sewer Rate Adjustments*

2nd Reading

Water Rate Ordinance No. 8, 2024 Public Hearing

Sewer Bond Ordinance No. 9, 2024

Sewer Rate Ordinance No. 10, 2024 Public Hearing

Presented to the City Council of Valparaiso, Indiana

April 22, 2024

Making a difference:

Improving Valparaiso's quality of life through.....

- **Compliance of Water & Wastewater Facilities**
 - ✓ Public health
- **Environmental Stewardship**
- **Cost Management Solutions “Fiscal Strength”**
- **Sustaining Local Economy**



Timeline of Events

Condition Assessment
Wastewater Plant & Source Water Capacity Study

Selection of Design Engineers

- ✓ Stantec
- ✓ Arcadis
- ✓ DLZ

Guaranteed Savings Provider/Contractor

Application of State Revolving Fund Low Interest Financing

Tours of Water & Wastewater Facilities
City Council
VCU Board

Public Presentation Schedule

March 12, 2024

March 25, 2024

April 8, 2024 First Reading
April 22, 2024 - City Council Bond & Rate Adoption Vote

2021

2022

2023

2024

Condition Assessment Sessions with VCU Board of Directors

November 2022
VCU Board of Directors & City Council Public Presentations on Water Bond Ordinance #9-2023
\$23 Million
Phase II Bond Anticipation Notes
\$6 Million for 4 Wells

Completion of Phase II

Design Finalization for WW Plant; Phase III Water Upgrades & Sturdy Road Lift Station

Classroom Sessions with Board of Directors & City Council

Implementation of Phase I Water Sewer Rate Adjustments
July 2024

Understanding your Water and Sewer System

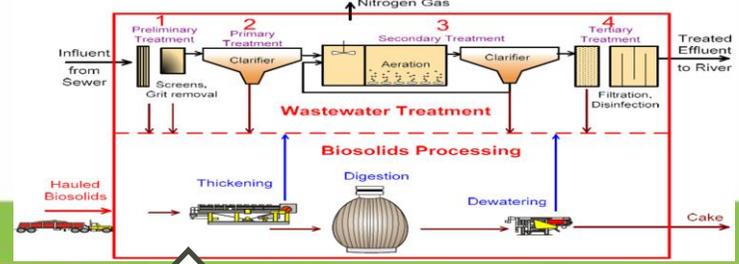
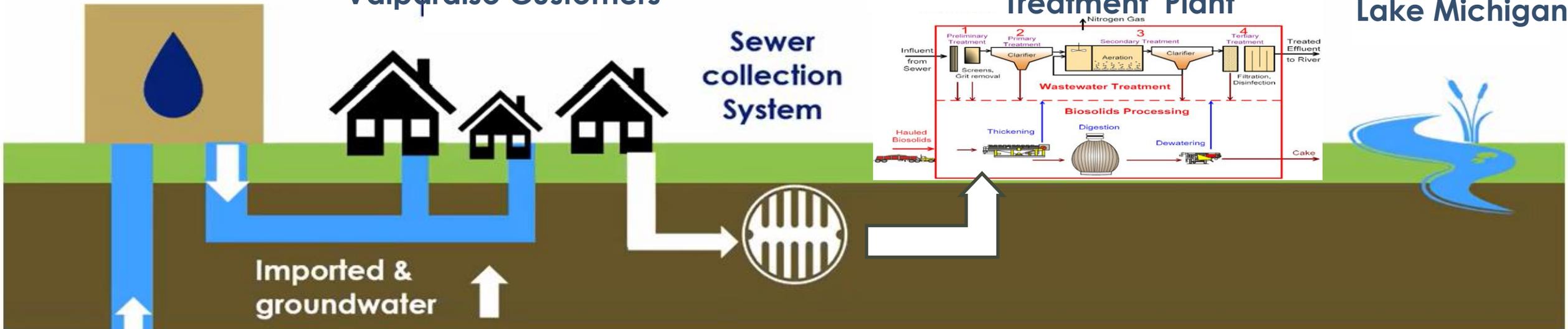
Flint Lake & Airport Water Treatment Plants

Valparaiso Customers

Sewer collection System

Elden Kuehl Pollution Control Facility - Wastewater Treatment Plant

Salt Creek Lake Michigan



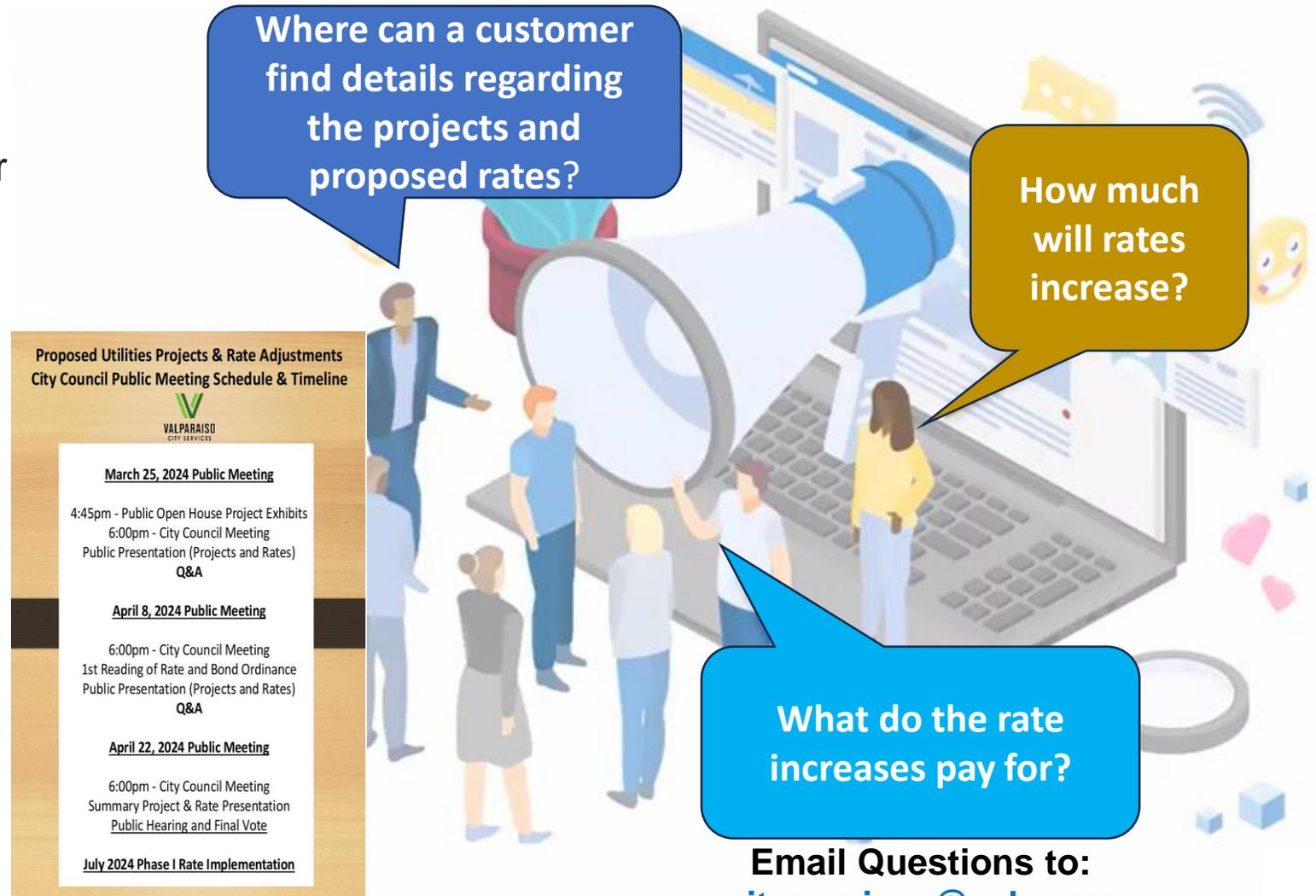
Treatment Plants and Well Fields

- Old FL plant built 1885, latest UPGRADES in 2003 & 2015;
- FL well field and CC well field;
- 5 wells on VCU property; 4 wells on Country Club golf course
- Airport plant was built 1963, latest upgraded in 2014
- Airport well field provides raw water for Airport treatment plant;
- 6 active wells, 4 on airport property, 2 on VCU property;
- 6 more wells on further east.

Rate Case Public Process

www.valparaisoutilities.org/166/Rates-Deposits

- Letter to Residents
- Board & City Council Facility Tours
- Online Rate Case Document Center
- Board & City Council Classroom Sessions
- Project/Rate Flyer & Executive Summary
- Written Answers to Questions
- March 12, 2024 Public Presentation
- March 25, 2024 Open House & Public Presentation
- April 8, 2024 First Reading and Public Presentation
- April 22, 2024 Summary Public Hearing & Vote
- Future Billing Inserts



Proposed Utilities Projects & Rate Adjustments
City Council Public Meeting Schedule & Timeline

VALPARAISO
CITY SERVICES

March 25, 2024 Public Meeting
4:45pm - Public Open House Project Exhibits
6:00pm - City Council Meeting Public Presentation (Projects and Rates) Q&A
April 8, 2024 Public Meeting
6:00pm - City Council Meeting 1st Reading of Rate and Bond Ordinance Public Presentation (Projects and Rates) Q&A
April 22, 2024 Public Meeting
6:00pm - City Council Meeting Summary Project & Rate Presentation Public Hearing and Final Vote
July 2024 Phase I Rate Implementation

Email Questions to:
cityservices@valpo.us

Rate Adjustments are Driven By:

- **Upgrading Water & Wastewater Facilities**
- **Cumulative effects of inflation (power, fuel, chemicals, labor costs and benefits)**
- **Environmental Requirements**
- **Capital Improvement Plan (Pay as you go)**
- **Infrastructure Rehabilitation (Aging Infrastructure)**



Planned Improvements

The City must continually invest in our water and sewer systems to maintain safe reliable services. City Utilities has identified the following major projects:

WATER

- Replacement Wells
 - Phase II Complete
 - Phase III
- Airport Plant Filter Upgrades
- SCADA Control Upgrades

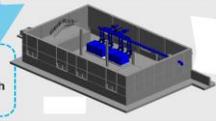
SEWER

- Filter Replacement
- Aeration System Upgrades
- WAS Thickening
- Digester Rehab
- Pipe Gallery Roof Repair
- MCC and Switchgear Replacement
- New SCADA System
- Sturdy Road Pump Station



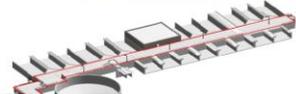
The Projects "Wastewater"

Biological Aeration Tank Operations (Removal of Carbon/Nitrogen)

Existing	Modification
<p>Risk: Compliance with Biochemical Oxygen Demand & Ammonia Nitrogen Requirements</p> <ul style="list-style-type: none"> • 6 North ATs, 8 South ATs • 2.74 MG Total Volume • 5340 Total ceramic diffusers 	<ul style="list-style-type: none"> • Membrane Diffusers <ul style="list-style-type: none"> • 2560 total • New air piping • Automated DO Control 
<ul style="list-style-type: none"> • Blower Building <ul style="list-style-type: none"> • 4 Multi-Stage Centrifugal Blowers • Two @ 8,000 SCFM (400 HP) • Two @ 4,000 SCFM (200 HP) 	<ul style="list-style-type: none"> • Hybrid Screw Blower <ul style="list-style-type: none"> • 768 SCFM Each • 125 HP 

Structural Modifications/Upgrades

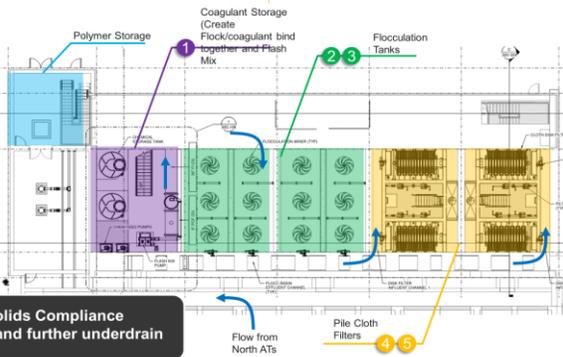
- East-West Pipe Gallery**
- Removal and replacement of existing East-West Pipe Gallery roof due to deterioration of existing concrete
 - New concrete roof will be sloped adequately to improve drainage and increase durability
 - New concrete roof will be coated with a pedestrian traffic rated waterproofing coating to prolong lifespan of roof
 - Removal and replacement of existing stairs at east end due to deterioration



Filter Rehabilitation Design

Objective: Improve filter performance with respect to TSS and TP removal and increase component capacity

- Improvements**
- ✓ Higher Solids & Phosphorus Removal
 - ✓ Peak flow increased to 22.5 MGD from 13.5 MGD
 - ✓ Less Power Used for Cleaning Cloth Filters
 - ✓ Higher Treatment Capacity in Smaller Footprint
 - ✓ Can expand to Future Cells within same footprint.



Risk: Totals Suspended Solids Compliance during wet weather flows and further underdrain failure

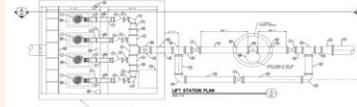
- Replace Aging Process Units 35-60+ Year of Age

- ✓ Failures
 - ✓ Corrosion
 - ✓ Inefficiency "Power"
 - ✓ Structural Issues
 - ✓ Instrumentation & Control
 - ✓ Electrical Systems
- Benefits**

- ✓ Environmental Stewardship
- ✓ Maintain Compliance IDEM/EPA
- ✓ Increase Capacity "Same Footprint"
- ✓ Redundancy
- ✓ Optimize Operations
 - ✓ Communications
 - ✓ Energy Savings

Sturdy Road Regional Lift Station Project Upgrades Include:

- 4 Plex Station w/Redundancy Increase – Capacity to 8.2 MGD
- 13,000 Feet of C900 Plastic (Thicker diameter)
- Employee Safety (Confined Space)
- Willing Property Owner



WAS Thickening – Existing & Modifications

Existing	Modification
<ul style="list-style-type: none"> • Equipment installed 40+ years ago • System lacks automation requiring frequent operator intervention • Existing tanks are corroded 	<ul style="list-style-type: none"> • Centrifuge thickening is the recommended technology • Design Condition • 2 units (1 Average; 2 Max Day) • Expected run times: <ul style="list-style-type: none"> • 4.75 hrs (Average) • 6.73 hrs (Max Day) • Produce 4-6% TS solids to digestion  <p>New Equipment</p> <ul style="list-style-type: none"> • Two (2) WAS feed pumps • Centrifuge package • Two (2) centrifuges • Two (2) thickened sludge pumps • Two (2) sludge hoppers gates • Associated controls and monitoring equipment • Polymer delivery system

- Improvements**
- ✓ Smaller Footprint
 - ✓ Automation & Control
 - ✓ Less Recycle Water
 - ✓ Less Run Times
 - ✓ Energy Savings

Instrumentation & Control Existing Utilities and Modifications

- Remove in its entirety and Replaced/Relocated**
- CSO Storage PLC- Rack 1&2
 - Pipe Gallery (RAS) PLC
 - Effluent PLC
 - Boiler PLC
 - Filter Main Control Panel
 - Filter Consoles
- Modified and Replaced within Panels**
- CSO Disinfection PLC
 - Screen and Press PLC
 - Clarifier PLC
 - Lift Station PLC
 - Blower Building PLC
 - UV main Control Panel
 - UV Building PLC
 - Control Building PLC

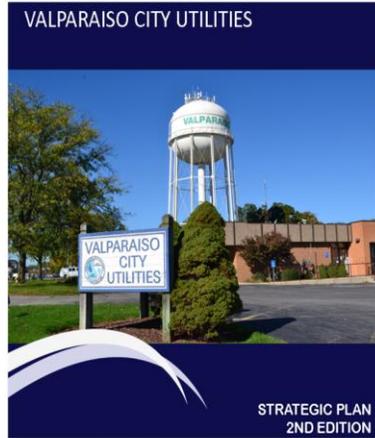


- Overall Modifications**
- New Process Control System redundant servers, network switches, and fiber optic loop
 - New Operator computer workstations
 - New Plant-wide PLC programming and software
 - Upgraded iFix software (building on existing licensing) and programming
 - Other new instruments and equipment; valving, flowmeters, gas detection

The Projects “Water”

PURPOSE OF ORDINANCE No. 29, 2022

- Engineering and construction of additions and improvements to the City's Waterworks.
- **\$23 Million financed through Bonds:**
 - Construction of up to 8 New Wells & Transmission Lines
 - ✓ Phase II – 4 Wells by 2023
 - ✓ Phase III
 - ✓ Additional Wells
 - ✓ Backwash Recycling System Flint Lake
 - ✓ 4 New Filters (Airport Plant)
 - ✓ Structural & Electrical Modification
- The ability to issue Bond Anticipation Notes (BANs) of not to exceed **\$6 Million**
 - Interim Financing for:
 - Engineering Phase II & III **\$2.3 Million**
 - Phase II Construction 4 Wells **\$5 Million**



- Phase II & Phase III Improvements

- ✓ Phase II (4 Wells Complete)
- ✓ Phase III
 - ✓ Country Club Wells
 - ✓ SCADA Controls
 - ✓ Airport Filters

- Benefits

- ✓ Increase & Sustain Water Capacity
- ✓ Redundancy
- ✓ Filters (Aging – Water Quality)
- ✓ Upgrade Operational Communications

Phase II Installations & Future Installations



Production Wells
New Well Sites

Potential New Water Main
Potential Sanitary Setback Area

Notes: * Generalized location selected to minimize Impacts to private residential wells

Phase II Installation & Flint Lake



Phase III Country Club Wells Replacement



Airport Filters Replacement



Purpose of the Process

- Remove Iron and Manganese from raw well water.

Issues

- Two filters installed in the 1960s; two in 1977
- Corrosion and erosion inside the filter body
- Many repairs in the past years
- Filter 2 out of service, repair is not economically feasible

Solution

- Replace them with new filters – Water Quality

Benefits (Operational)

- Have enough treatment capacity to meet water demands.
- Minimize the filter break down time due to structural failure caused by filter age and available redundancy.

VCS Rising Operational & Construction Costs 2020-2023

VCS Examples of Rising Operational Costs 2020-2023

Chemicals

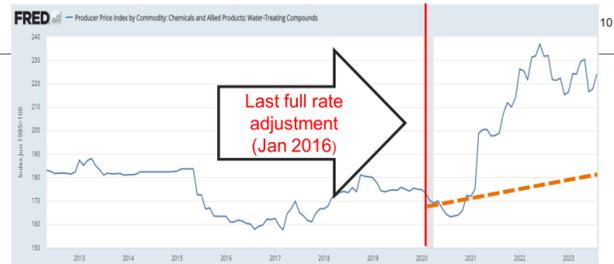
Since 2020, has increased by 82%
\$223,729

Electricity & Natural Gas

Since 2020 has increased by 23%
\$206,874

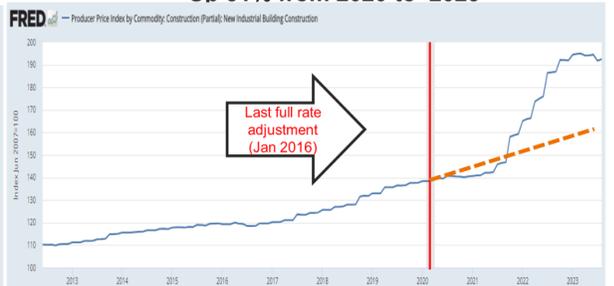
Personnel

Since 2020 has increase by 10%
\$557,157
2023 to 2024 Increase \$355,000



National Commodity Index – Plastic Water Pipe
 • Up 132% from 2020 to 2023

National Water Treatment Chemical Index
 • Up 31% from 2020 to 2023



National Cost Index – Construction
 • General Construction - Up 33% from Jan 2020 to June 2023
 • Industrial Construction - Up 40% from Jan 2020 to June 2023



Examples/Drivers of Increased Capital Costs

Cost Increases & Delays

- Generators for Phase II Wells - February 2023, estimated delivery in June 2024(not guaranteed)
- Pumps Ordered Sept 2022 – Delivered Damaged – Received October 2023

Vehicle Challenges

- A dump truck was ordered March 2021, was not delivered and order was cancelled in October 2023
- No guarantees on rolling stock/machinery
- ESTIMATES ONLY

Reduced Bidding & Costs

- **Sewer Repair**
 - Engineer Estimate \$960,875.50 with 30% Contingency
 - Received only three (3) bids.
 - \$1,227,500.00
 - \$1,660,740.00
 - \$1,924,528.49
- **Cured in Place Pipe (CIPP) Lining**
 - Year 2020 – 12” was \$33.80 per LFT
 - Year 2023 – 12” was \$140.00 per LFT

Softening Costs through Culture.....

Aging Infrastructure



Energy Initiatives



Asset Management/Work Mgmt



Refinancing of Debt



Water Audits

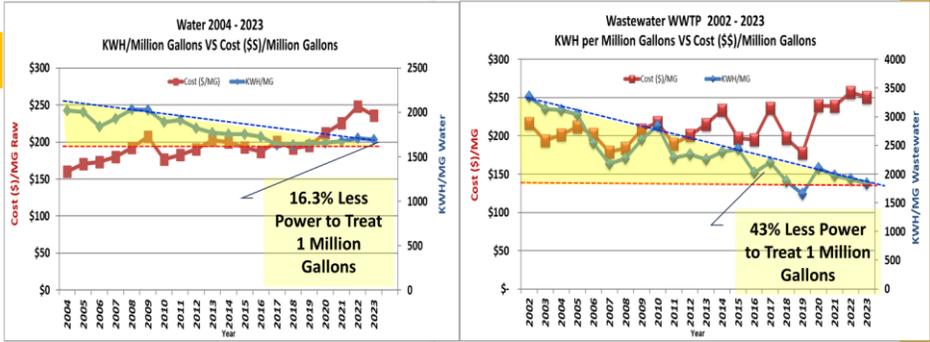


Labor Control-Work Force Flexibility
Credit Rating AA-
Bulk Fuel Purchasing
High Interest Banking Services
Proper Electric Rates



Softening Costs through Operational Culture Summary.....

Energy Initiative Results

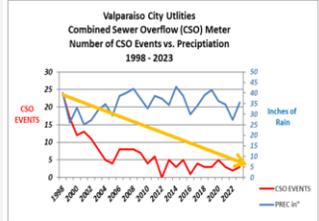
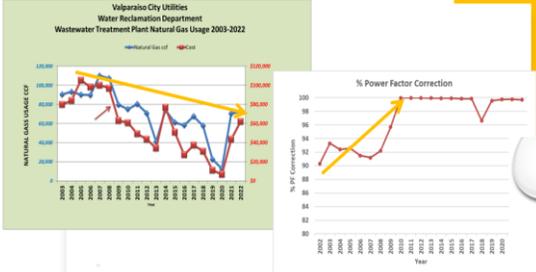


- Stable Cost (\$\$) per 1 million Gallons Treated (Water & Wastewater) - 5 Rate Increases by electrical provider since 2010.
- Estimated Savings since 2002 - 32 Million KWHs OR \$3 Million Dollars (Blended Rate Over 20 Years) –

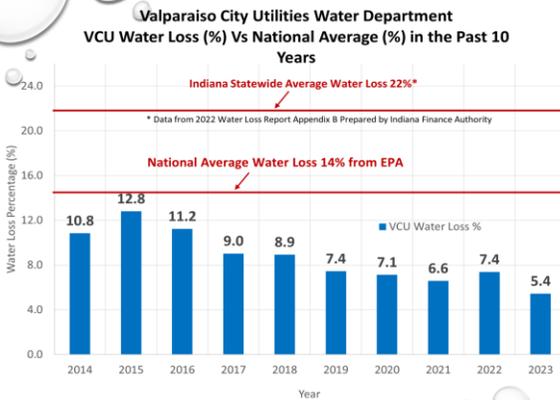
Product Quality – (Compliance & Customer Satisfaction)
 Operational Optimization - Energy (Conservation – Efficiency – Renewables)
 Infrastructure Stability - (Asset Mgmt. – Water Audits – Aging Infrastructure)
 Reduction in Flooding/Combined Sewer Separations/Basement Backups
 Financial Viability
 AA – Credit Rating Standard & Poor
 Computerized Work Management Systems
 Employee & Leadership Development (Highly Trained and Capable Team)

Energy Initiatives Results:

- Reduced Lighting Costs
- Reuse of Methane Gas
- Natural Gas Usage (-25%)
- Power Factor (Discounted Demand Charges) – Anything above 90%
- Reduced CSO Events and Volume



= AVOIDS RATES BY CRISIS



- ✓ Replaced water plant master meters with high accuracy
- ✓ Monitored SCADA trendlines to identify large main breaks early
- ✓ Promptly repaired main breaks/leaks
- ✓ Installed Pressure reducing valve (PRV) to reduce water pressures in certain areas
- ✓ Dedicated capital funds to replace aging water mains
- ✓ Actively tested a portion of customers' meters every year
- ✓ Read large meters weekly
- ✓ Checked consumptions for stopped meters and for possible meter tampering
- ✓ Performed billing audit periodically to find and correct accounts being billed incorrectly

City of Valparaiso (Indiana) Utilities 10 Years of Refunding Results

Stormwater Management District			
Issue	Gross Savings	NPV Savings	Refunded Bonds
Refunding Revenue Bonds, Series 2019	\$204,338.15	\$197,222.59	2011A and B

Drinking Water			
Issue	Gross Savings	NPV Savings	Refunded Bonds
Waterworks Refunding Revenue Bonds, Series 2013	\$5173,774.34	\$466,652.31	2022 Bonds
Waterworks Refunding Revenue Bonds, Series 2018	102,332.81	88,427.81	2010 Bonds
Total Savings	\$616,107.15	\$555,080.12	

Water Pollution Control			
Issue	Gross Savings	NPV Savings	Refunded Bonds
Sewage Works Refunding Revenue Bonds, Series 2013	\$460,614.00	\$426,206.00	2000 Bonds
Sewage Works Refunding Revenue Bonds, Series 2015	1,569,861.47	1,321,217.01	2007 Bonds
Total Savings	\$2,030,475.47	\$1,747,423.01	



TOP 3 Issues Facing the Utility Industry

American Water Works Association

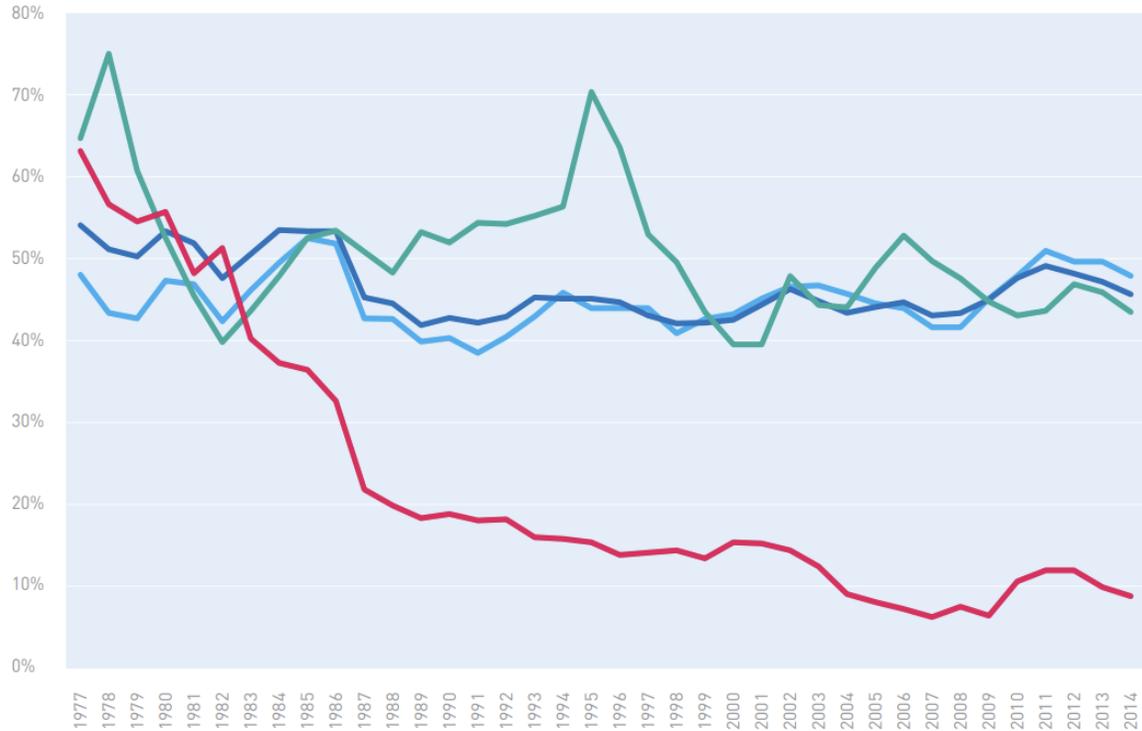
State of the Water Industry 2023

- 1. Renewal and Replacement of Aging Infrastructure**
- 2. Long Term Water Supply Alternatives and Availability**
- 3. Financing for Capital Improvements**

Federal Contribution has significantly decreased....

Federal Contribution to Total Infrastructure Spending

Water Utilities Highways Aviation All Transportation Infrastructure

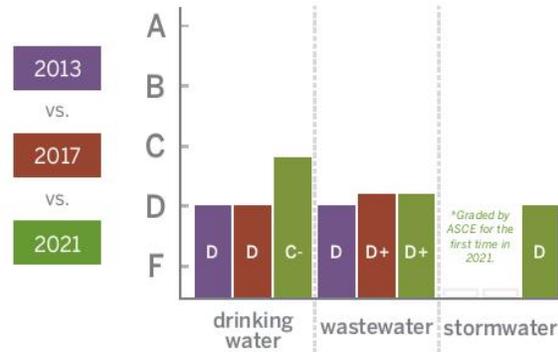


1 U.S. Water Infrastructure Earns D+ Grade

Every four years the American Society of Civil Engineers (ASCE) releases its *Infrastructure Report Card*. In 2021, U.S. infrastructure received a C- grade.

This is the first time our country's infrastructure as a whole has been above a D since the turn of the century. The collective progress is encouraging, but an important subset of our nation's infrastructure – water infrastructure – still falls in the D+ range.

ASCE INFRASTRUCTURE REPORT CARD



Why the D+ average?

- Aging water and wastewater pipes and facilities that are nearing or past capacity
- Lagging operations and maintenance procedures, plans
- Expansive migration from metro areas to suburbs where water infrastructure is not yet equipped to handle an influx of residents and businesses
- Funding challenges; confusion around how to secure what's available
- Ever-evolving, complex regulations



VALPARAISO
CITY SERVICES

**INFRASTRUCTURE
IMPROVEMENTS
2013 - 2023**

TOTAL PROJECT COSTS



WATER

\$ 8,395,282.92

210 Projects



SEWER

\$ 4,616,776.78

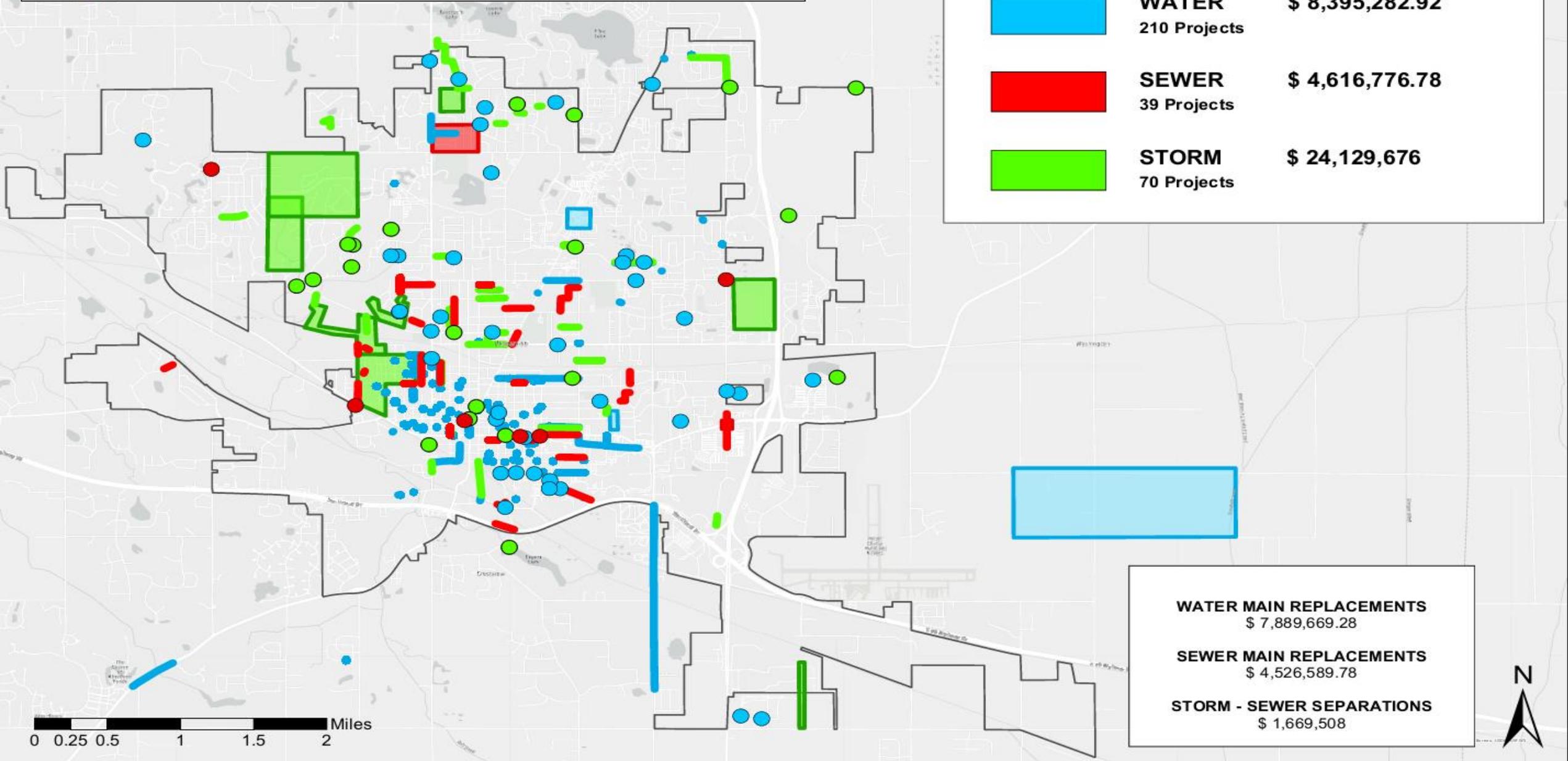
39 Projects



STORM

\$ 24,129,676

70 Projects



WATER MAIN REPLACEMENTS

\$ 7,889,669.28

SEWER MAIN REPLACEMENTS

\$ 4,526,589.78

STORM - SEWER SEPARATIONS

\$ 1,669,508

0 0.25 0.5 1 1.5 2 Miles





**American Water Works
Association**

Dedicated to the World's Most Important Resource™

DC FLY-IN April 9-10

- ✓ **Infrastructure**
- ✓ **Affordability**
- ✓ **Emerging Contaminants**
- ✓ **Cyber Security**

Making a difference: Improving Valparaiso's quality of life through.....

Purpose and Objectives

The mission of the Water Utility Council (WUC) is to develop professional relationships with legislators and regulators. These relationships will allow the WUC to lend expertise and give advice to these groups as they consider laws and regulations that govern the water industry. The goal of the WUC is to act on behalf of the section membership to ensure reasonable, productive regulation of the water industry.

"Pipes are expensive, but invisible. Pipes are hearty, but ultimately mortal. Increased expenditures are needed. The bills are now coming due, and they loom large."

American Water Works Association

May 2001

Rate Analysis



Primary Drivers of Rate Adjustments

- Last rate adjustment for both utilities were adopted in 2013, with the current phase effective 1/1/2016.
- Significant 5-year capital plans – Aging Infrastructure
- Plant Upgrades and Expansion
- Higher operating costs are expected to continue due to several factors beyond VCU's control.

Summary of Key Changes

- Total revenue requirement increases over the 5 year planning period estimated to be approximately 46% for Water Reclamation and 44% for Waterworks through 2028 with bond projects
- Requires combined average residential water and sewer bill increase of approximately \$32/month resulting in a combined average bill of ~\$104 per month.
- Phasing of rates is suggested and is included in the final few charts.

Summary of Projects

ESTIMATED PROJECT COSTS

Estimated Construction Costs:

Phase I Elden Kuehl Pollution Control Facility Upgrade (GMP 01.11.24)		
Construction	\$40,556,032	
Provider/Contractor Fixed Fee	3,406,731	
Construction Contingency	2,028,108	
Sub-total		\$45,990,871
Sturdy Road Pipe (3.12.24 Bids)	7,700,000	
Sturdy Road Lift Station Replacement Project (GMP 02.19.24)	5,981,408	
Contingency (5%)	685,000	
Sub-total		14,366,408
Total Construction Costs		60,357,279

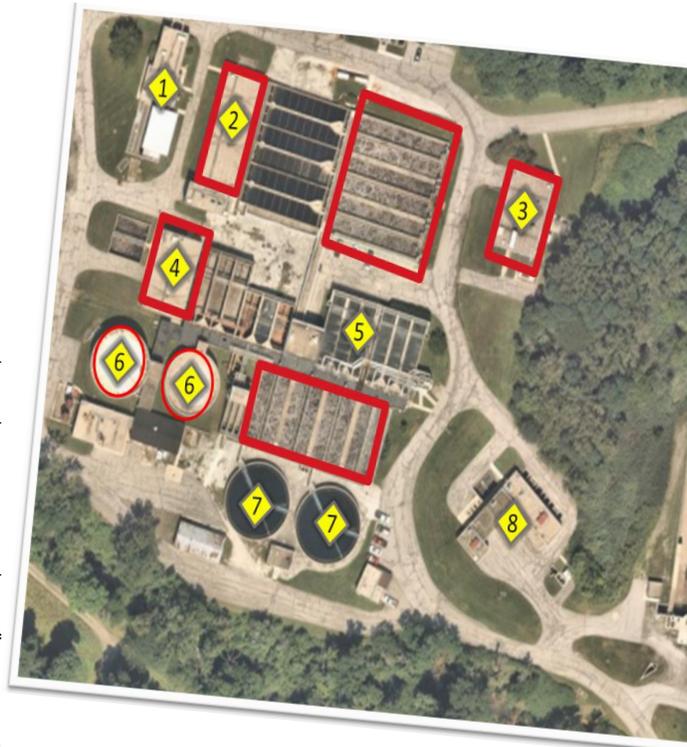
Estimated Non-Construction Costs:

Stantec and DLZ Engineering & Design	4,500,000	
DLZ Construction Administration/RPR Services	360,000	
Cost of Issuance	175,863	
Total Estimated Project Costs		<u>\$65,393,142</u>

ESTIMATED PROJECT FUNDING

Proposed 2024 Bond - Traditional	\$25,000,000
Proposed 2024 Bond - Pooled	37,049,000
Cash on hand (1)	3,344,142
Total Estimated Project Funding	<u>\$65,393,142</u>

(1) Assumes \$3,344,142 of engineering is paid from cash on hand.



2024: Current EKPCF Upgrades Project including

- Filter Replacement
- Aeration System Upgrades
- WAS Thickening
- Digester Rehab
- Pipe Gallery Roof Repair
- MCC and Switchgear Replacement
- New SCADA System
- Sturdy Road Pump Station

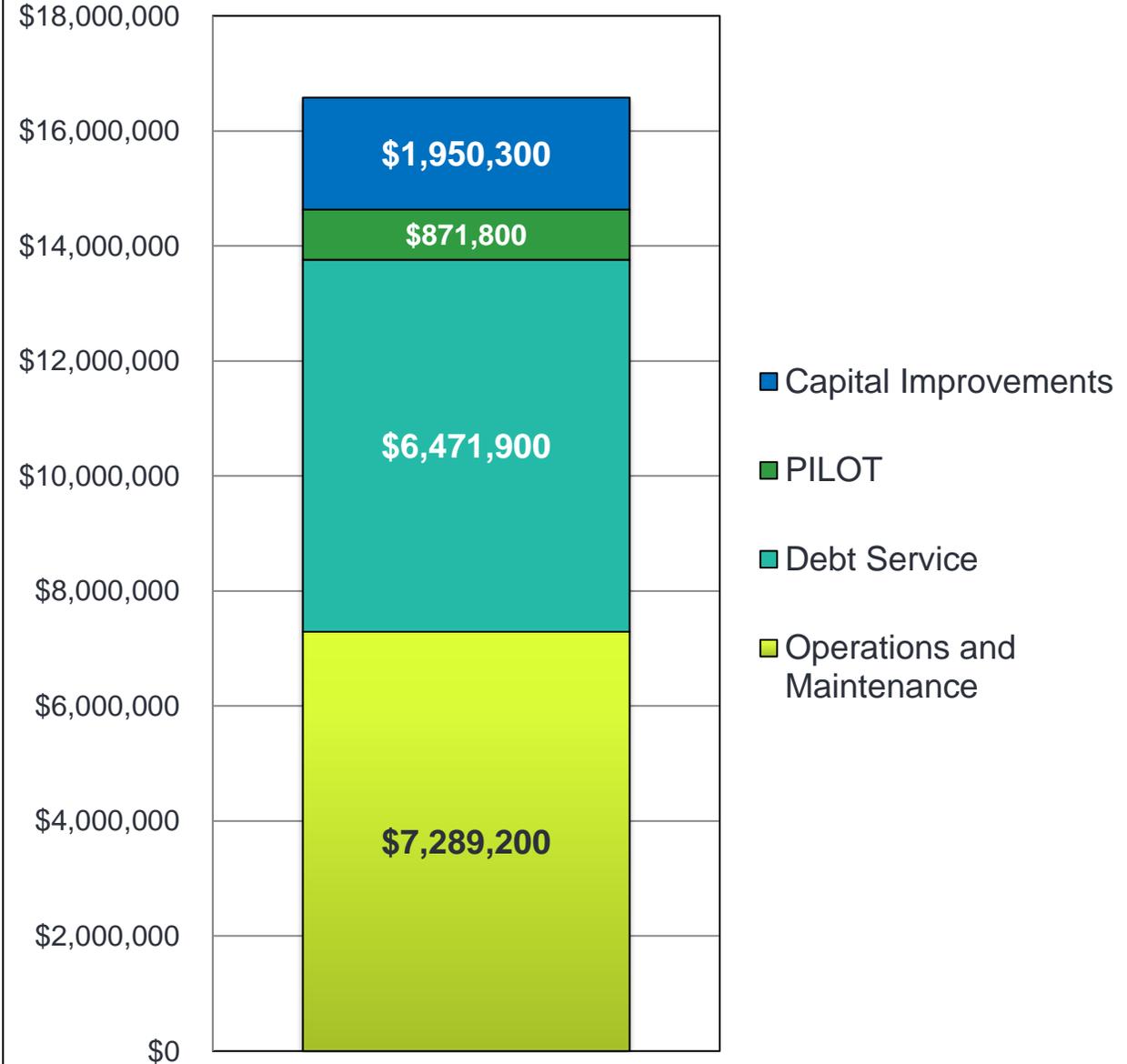
- Note there are approximately \$15 million of other capital improvements needed as of 2030 that will be cash funded.
 - A \$1 million change in bond sizing results in an approximate 1% change in rate adjustments.

Composition of Proposed Rate Increase

29% - Proposed Debt Service

17% - Additions to Capital and Operations Cost

Water Reclamation Department Revenue Requirement Comparison



ESTIMATED PROJECT COSTS:

Estimated Construction Costs:

Phase 3:

Country club well and raw water main installation (GMP 1.22.24)

Construction	\$946,712
Provider/Contractor fixed fee	79,524
Construction contingency	47,334

Sub-total

1,073,570

Airport water treatment plant upgrades (GMP 02.21.24)

5,614,188

Construction of 1 well (Pratt - assumes long transmission line)

1,000,000

Additional phase 3 items:

SCADA panel & Instrumentation for new wells	74,825
SCADA system upgrade	537,000
Well drilling services	300,000
Pumping equipment	150,000
As needed engineering, well site surveys	20,000
Test wells	150,000
Pierce farm parcel	615,000

Sub-total

1,846,825

Bowen and Wunderlich phase II invoices remaining to be paid

421,328

Total Construction Costs

9,955,911

Estimated Non-Construction Costs

Phase III design (Arcadis)	1,471,000
Less amount paid by BAN through 2/27/24	(233,900)
Repayment of BAN principal and accrued interest*	6,237,075
Cost of issuance and rounding	140,270

Total Non-Construction Costs

7,614,445

Total Estimated Project Costs

\$17,570,356**ESTIMATED PROJECT FUNDING:**

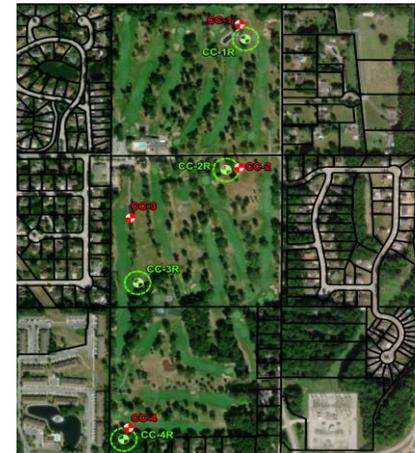
Proposed 2024 Bond - Traditional \$10,000,000

Proposed 2024 Bond – Pooled 4,447,000

Cash on hand - BAN repayment 2,356,856

Cash on hand - Ineligible costs 766,500Total Estimated Project Funding \$17,570,356

* Accrued interest through June 20, 2024.

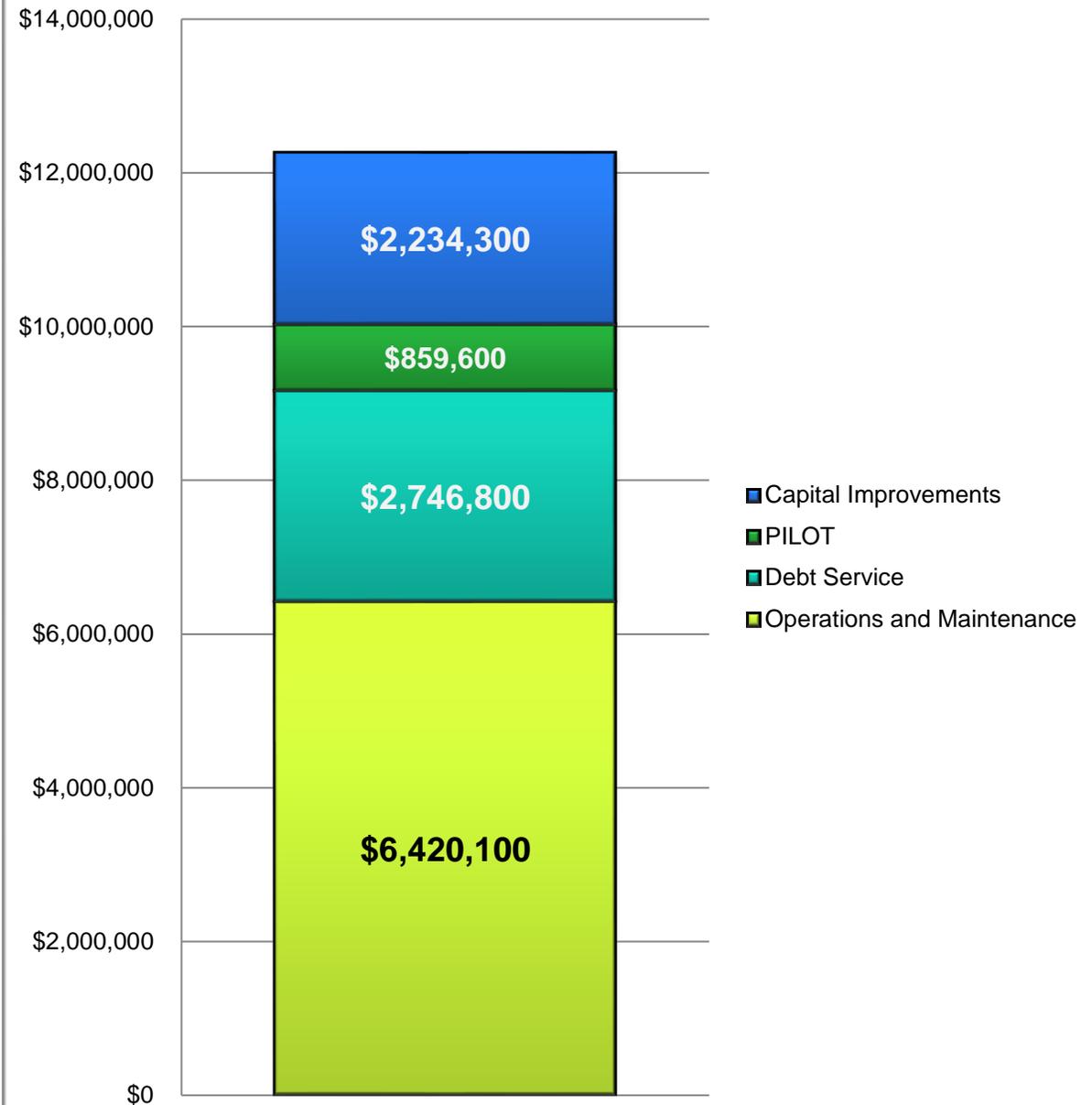


Composition of Proposed Rate Increase

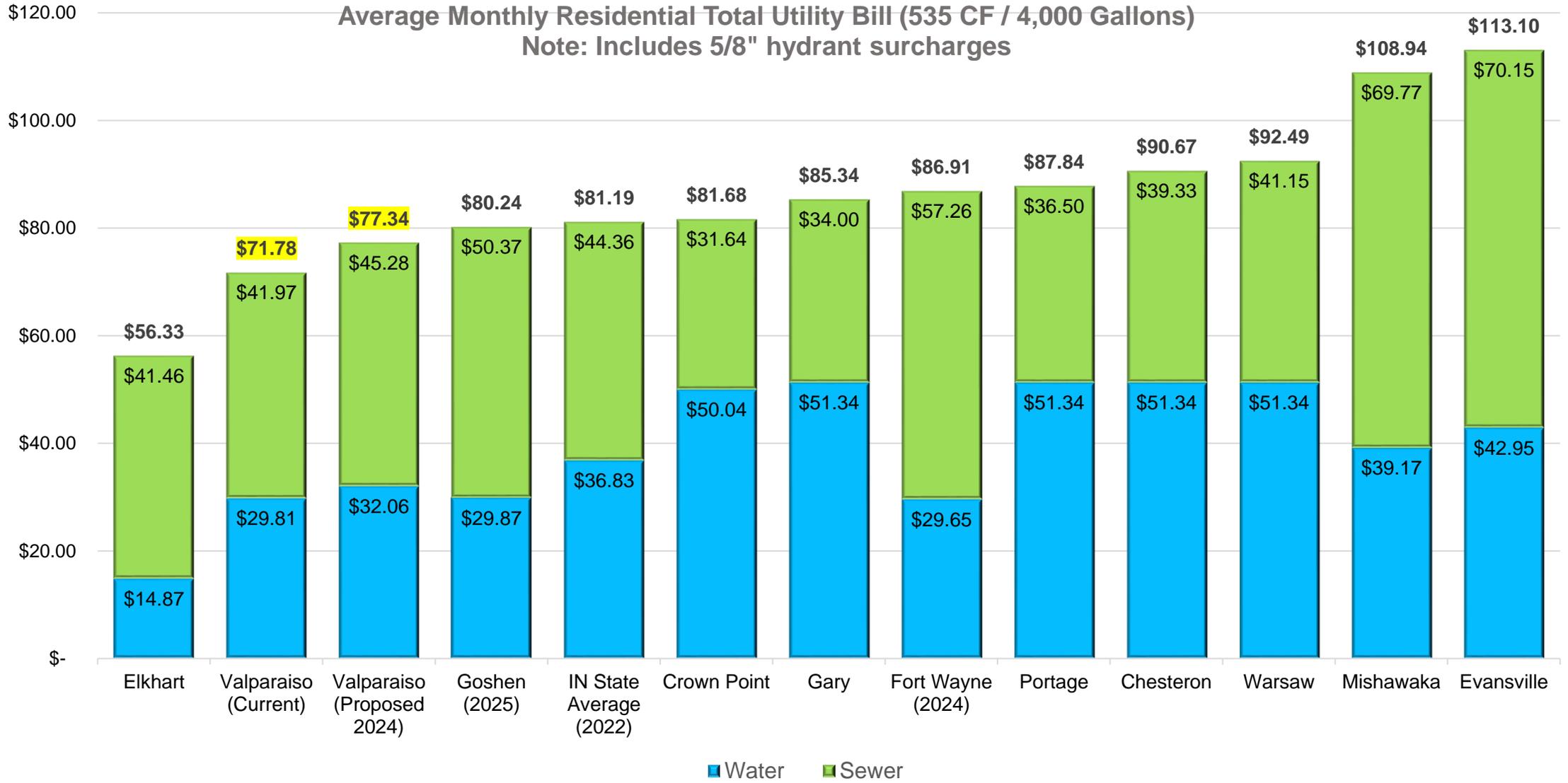
23% - Proposed Debt Service

21% - Additions to Capital and Operations Cost

Department of Water Works Revenue Requirement Comparison

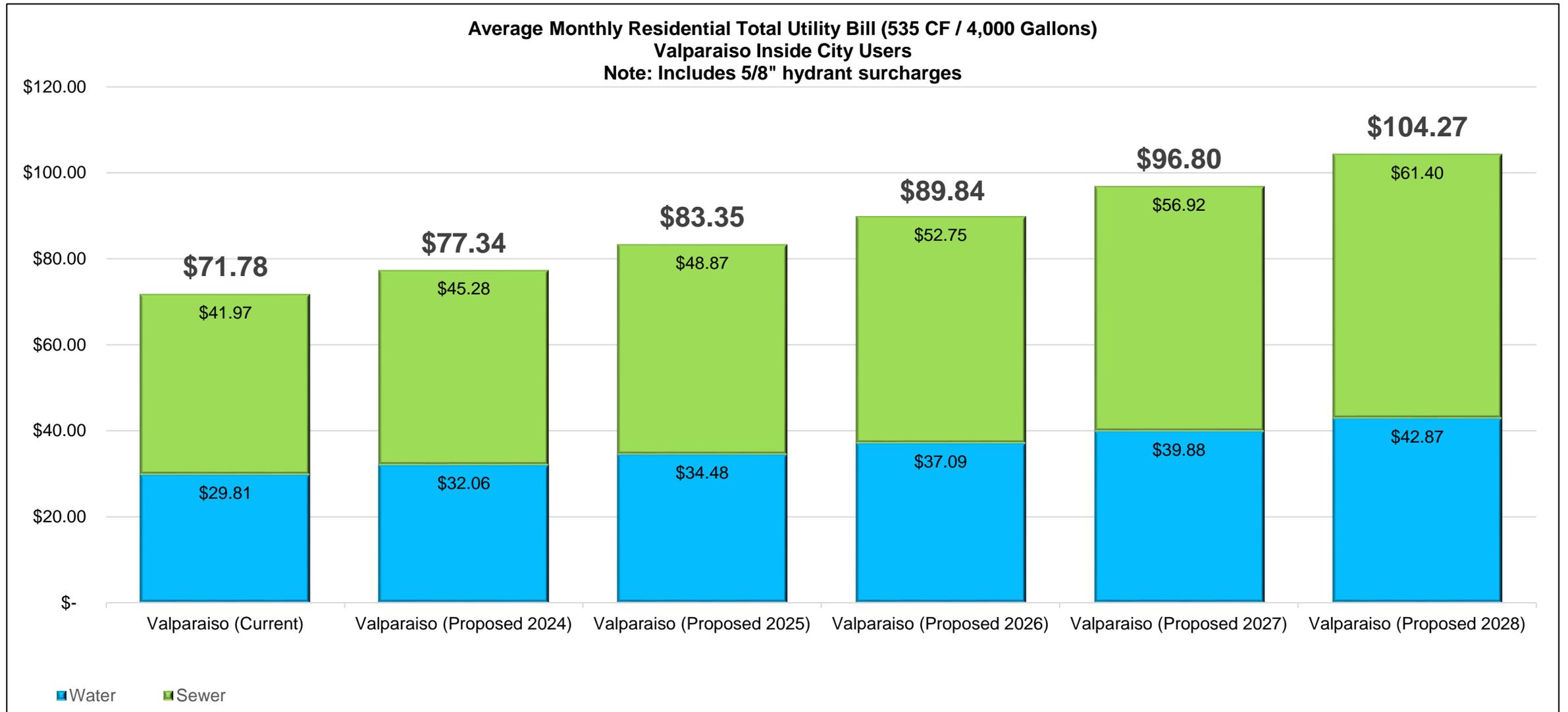


Valparaiso "Inside" City Water & Sewer Rates Compared to our Neighbors



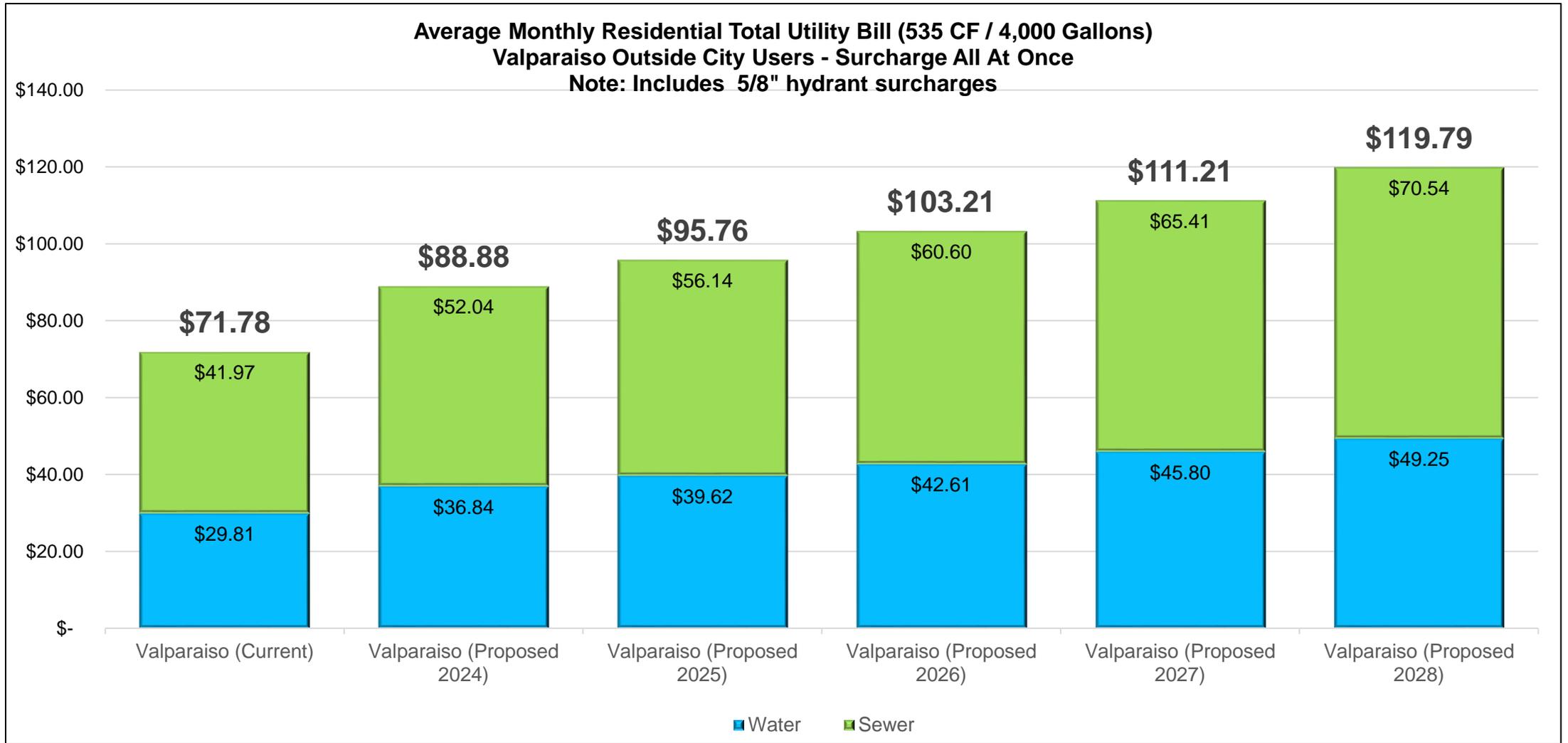
8% increase for Phase 1 sewer and water rates from current rates

Rate Comparisons – Inside Users (Future Phases)



- 45% overall increase from current rates to 2028 rates

Rate Comparisons – Outside Users (Future Phases)



- 67% overall increase from current rates to 2028 rates

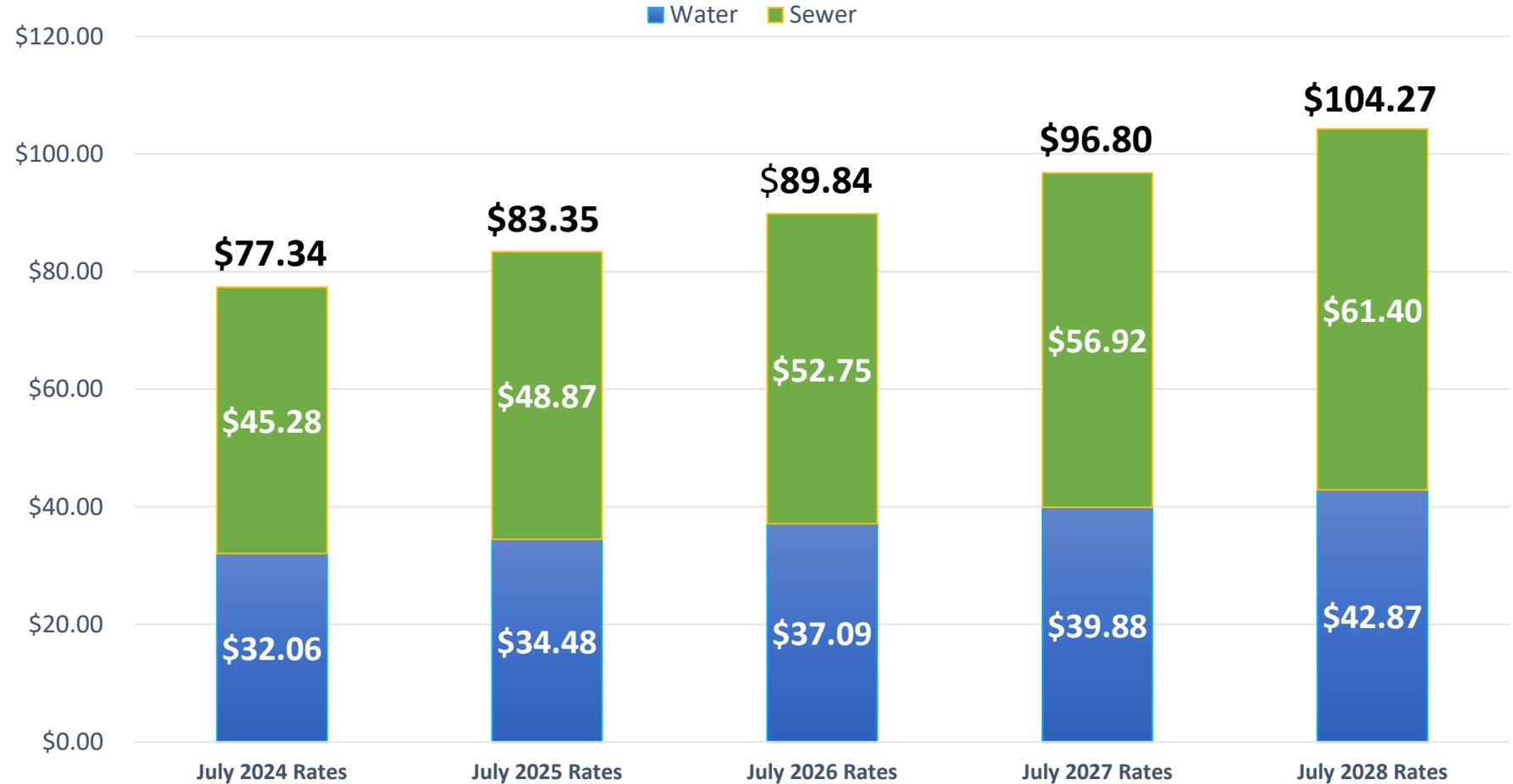
Typical Monthly Bill with Current Rates

Billing Details

Water	\$29.81
Sewage	\$41.97
Tax	\$ 1.19
Stormwater	\$12.50
Trash	\$19.50



Proposed "Inside City" Adjustment Impact on Water/Sewer Portion of Monthly Bill @ 4000 gal/month



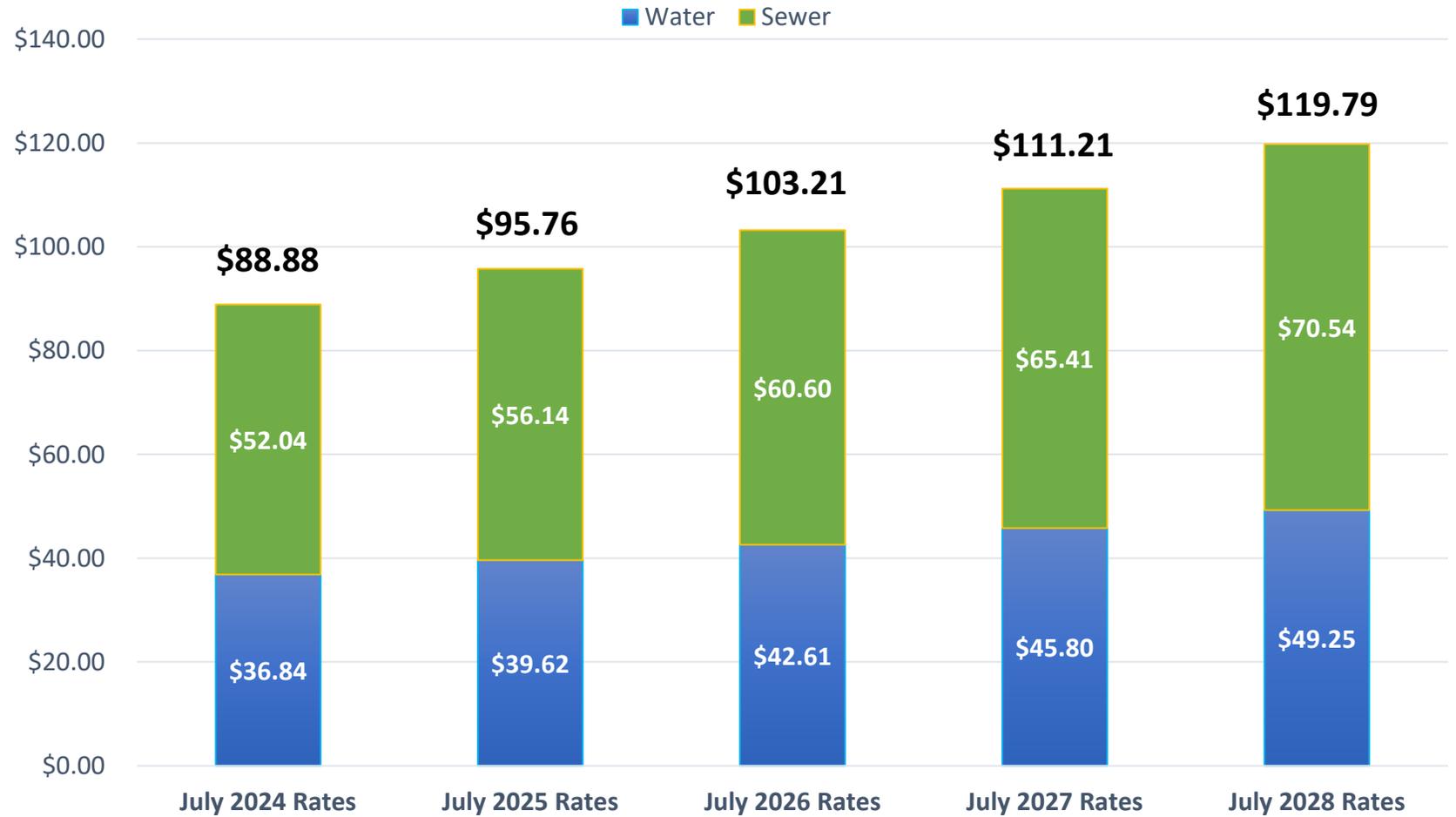
Typical Bill with Current 2024 Rates

Billing Details

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Stormwater	\$12.50
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Proposed "Outside City" Adjustment Impact on Water/Sewer Portion of Monthly Bill @ 4000 gal/month



Water Financial Summary

- **Proposed rates include:**
 - **Low Interest Rate Funding (\$10 Million of Project)**
 - **Sprinkling Average Amendment – Water Conservation**
 - **Outside User Rate Surcharge 14.9% - 2024**
 - **Proposed debt service for upgrades**
 - **Inflationary Adjustments for O&M**
 - **Annual Pay As you Go Funding & Aging Infrastructure**
 - **5 Year Phase Increase (2024 – 2028)**

Wastewater Financial Summary

- **Proposed rates include:**
 - **Low Interest Rate Funding (\$25 Million of Project)**
 - **Sprinkling Average Amendment – (5 Months to 3 Months)**
 - **Outside User Rate Surcharge 14.9% - 2024**
 - **Proposed debt service for upgrades**
 - **Inflationary Adjustments for O&M**
 - **Annual Pay As you Go Funding & Aging Infrastructure**
 - **5 Year Phase Increase (2024 – 2028)**

CONCLUSIONS & LOOKING TO THE FUTURE:

WATER & WATER RECLAMATION

- ✓ **VCU has a strong and trusted brand.**
- ✓ **Utilities are backbone of quality of life for the community.**
- ✓ **Rate Increases – Support Revenues for Operations, Maintenance, Debt Service, and Yearly Investment in Infrastructure.**
- ✓ **Service, financial health, operational sustainability and compliance are VCU's clear and compelling strengths.**
- ✓ **Continue assessing Aging Infrastructure & Water Resources.**

Rate Case Document Center
www.valparaisoutilities.org

Email Questions to:
cityservices@valpo.us