

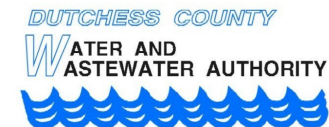
Valley Dale Sewer Operating and Capital Costs

Dutchess County Water & Wastewater Authority

Jonathan Churins, Executive Director

Jason Teed, P.E., Asset Manager

Vanessa Kichline, Project Facilitator

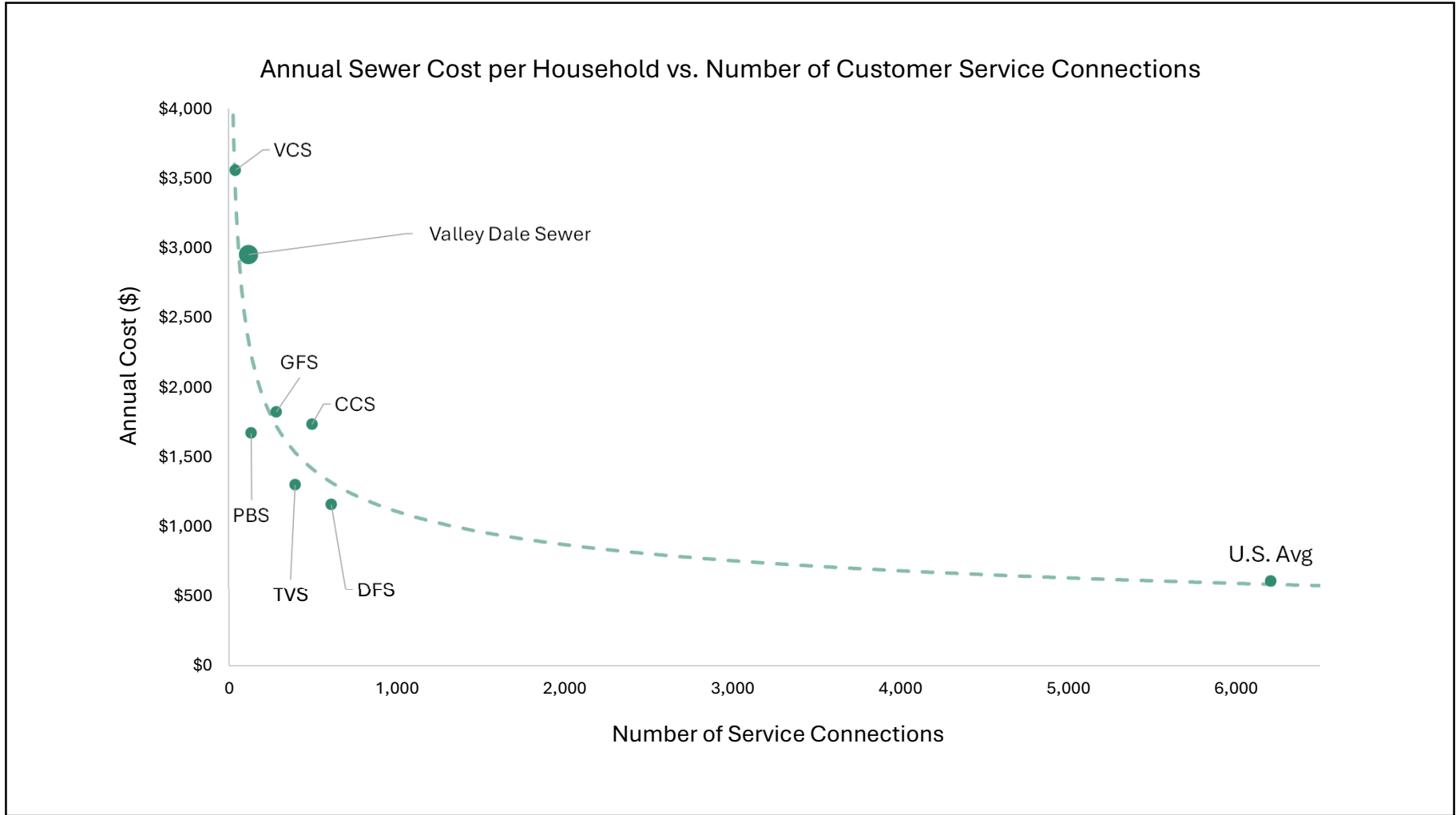


Existing Wastewater Treatment System

- Constructed in 1974
- Abandoned to Town in 1986
- Owned by DCWWA since 1997
- 119 residential service connections
- 11,250 feet of 8" transite gravity sewer main
- 3,270 feet of 4" PVC force main
- 2 Smith & Loveless lift stations







	Operating Cost (Quarterly Bills)	Capital Cost (Annual Tax Assessment)	Total
Sewer	\$2,212.40 <i>Flat Rate</i>	\$746.70	\$2,951.10
Water	\$1,432.28 <i>Based on usage 200 GPD shown</i>	N/A	\$1,432.28
Total	\$3,644.68	\$746.70	\$4,391.38

Investment in your wastewater system



2005 RBC Replacement
\$229,000



2013 Sewer main and pump station repairs
\$181,000



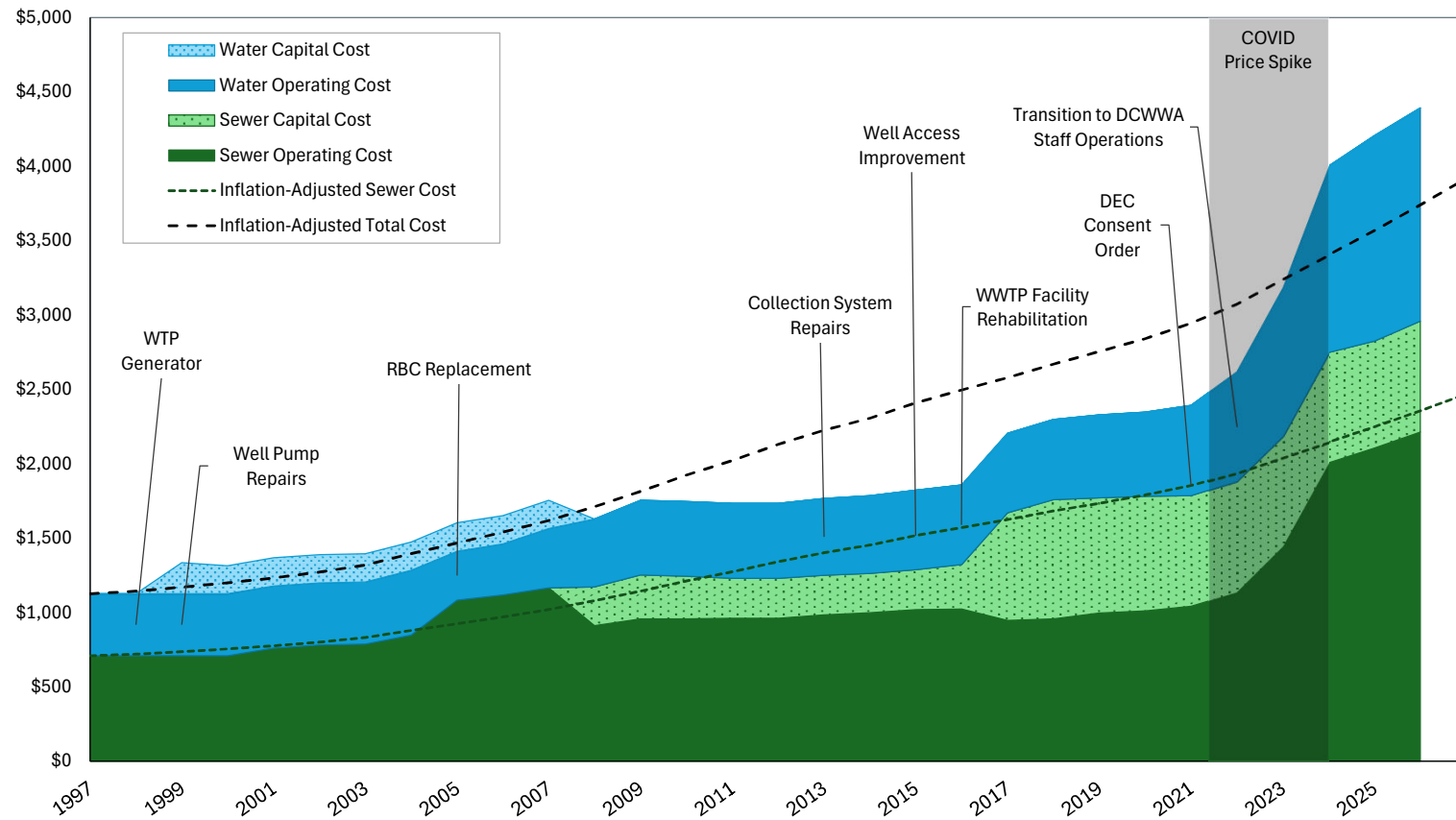
2017 Treatment plant rehabilitation
\$1,000,000



Total principal of \$1.41 million, or \$740/year per customer
\$254/year per customer expiring in 2028

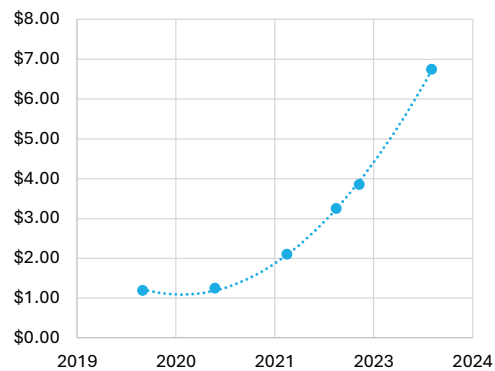


Valley Dale Water and Sewer Costs, Actual and Inflation-Adjusted, 1997 - Present



Treatment chemicals

DCWWA Contracted Price for
1 Gallon Sodium Hypochlorite



News & Research Pricing & Benchmarking

OxyChem to shutter Niagara Falls chlor-alkali facility

19 AUG 2021 | 21:05 UTC

By Tyler Clifford

CHEMICAL SECURITY SEMINARS

Case Study on Recent Disruptions in the Supply of Chlorine: Impact and Response

Robyn Brooks
The Chlorine Institute

TUESDAY, JUNE 15, 2021

Lake Charles fire partly to blame for 'worst chlorine shortage the country has ever seen'

By 10/12 Industry Report Staff

...ating price increases from the manufacturer of all of our Chlor-Alkali products...
...ely reached the point in time where we are forced to declare Force Majeure...
...rite that we are currently selling you.

...order to continue to sell this to you the price has to increase from \$2.10 per...
...gallon size and from \$1.85 to \$3.25 per gallon on the 15- gallon size.

We truly regret this but we have no other options. We have always strived to...
...our customers. But circumstances beyond our control make this an...
...inconvenience.

...ank you for your business and hope that we can continue to...

Electrical service

- Pumping water
 - Lift Stations
 - Sewage Pumps
- Climate control to maintain equipment
 - Heat in winter
 - Dehumidifier in summer
- Disinfection
- Emergency alarms

LOCAL

Central Hudson rate hike goes before NY Public Service Commission: What's pro



Nickie Hayes

Poughkeepsie Jo

ished 5:54 a.m. ET Jan. 24, 20



videntiary hearing bo

People. Power. Possibilities.

Central Hudson

A FORTIS COMPANY



HUDSON VALLEY // NEWS

Central Hudson asks state for another rate increase as double-digit hike takes effect

embattled utility seeks to raise monthly electric bills by \$9.19 and gas by \$8.74

Staff Writer

Central Hudson Proposes New Rate Plan to Upgrade Aging Infrastructure, Comply with Nation-Leading Climate Law

the Needs of a Next Generation

hkeepsie, NY – Central Hudson Gas & Electric Corporation today announced a new rate plan, which will end in June 2023, to address the growing needs of its customers and comply with New York State's climate goals and ensure continued reliability of service.

COST OF ELECTRIC IN HUDSON VALLEY, NEW YORK IS QUADRUPLING



Bobby Welber

Published: October 20, 2022

SHARE ON TWITTER

The Cost of Compliance

SCHEDULE A

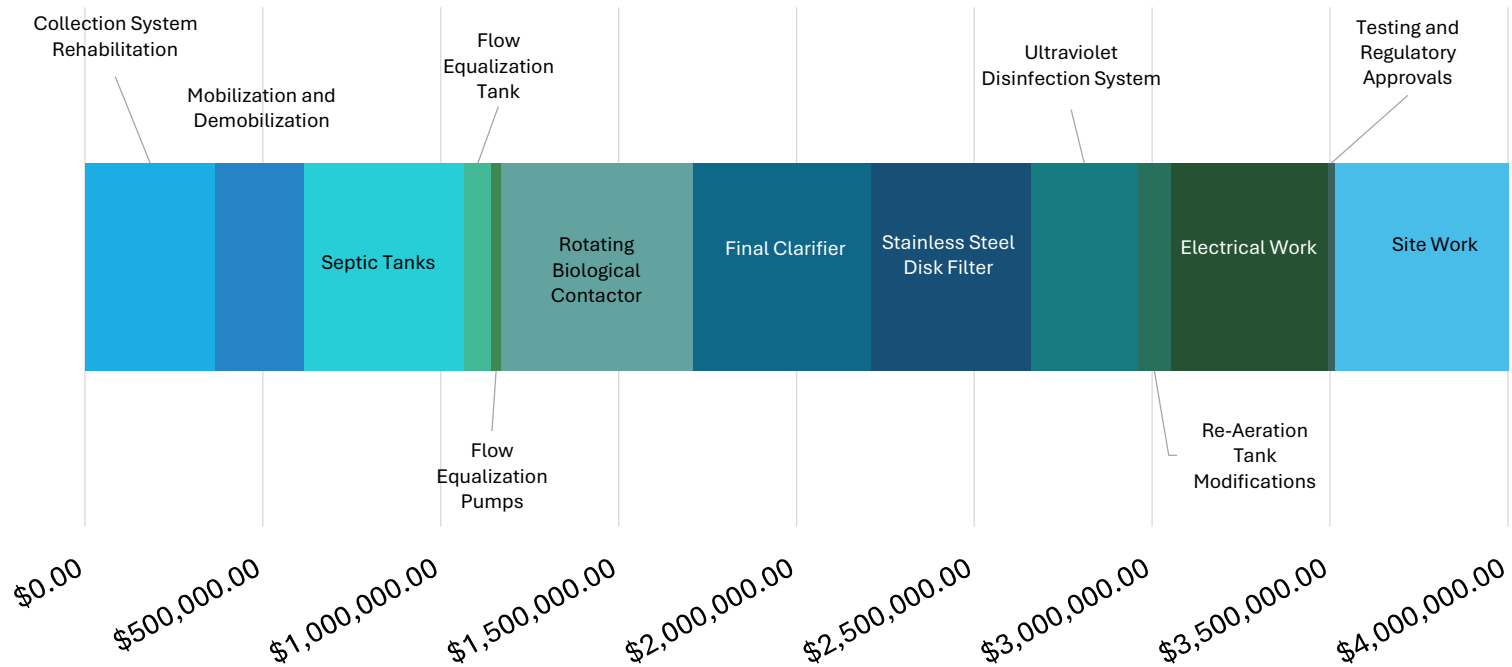
Schedule of Compliance NYSDEC Case No. R3-20201019-112

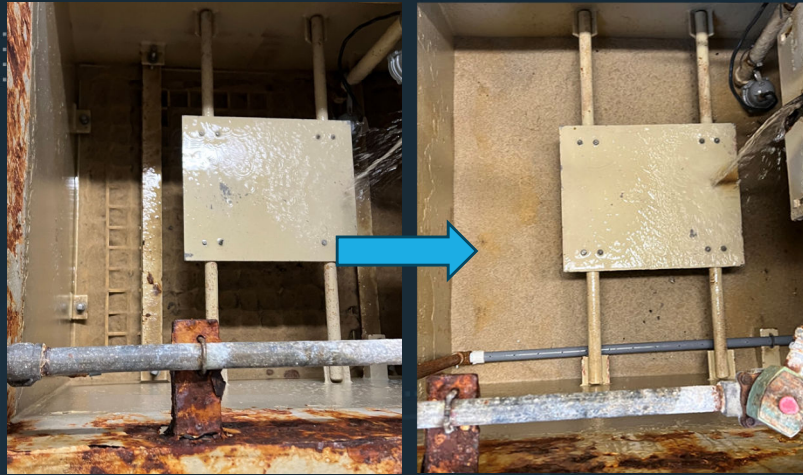
Respondent: DUTCHESS COUNTY WATER & WASTEWATER AUTHORITY
Facility: Valley Dale - 68 Forest Valley Road, Pleasant Valley, NY 12569

1. *By December 31, 2021*, the Respondent shall submit to Department staff for approval, an Engineering Report including a schedule of implementation that is certified by a Professional Engineer licensed in New York State, for upgrades to the Facility and the collection system including addressing inflow and infiltration to eliminate SPDES effluent violations and to bring the Facility into compliance with the terms and conditions of the permit.

The Cost of Compliance

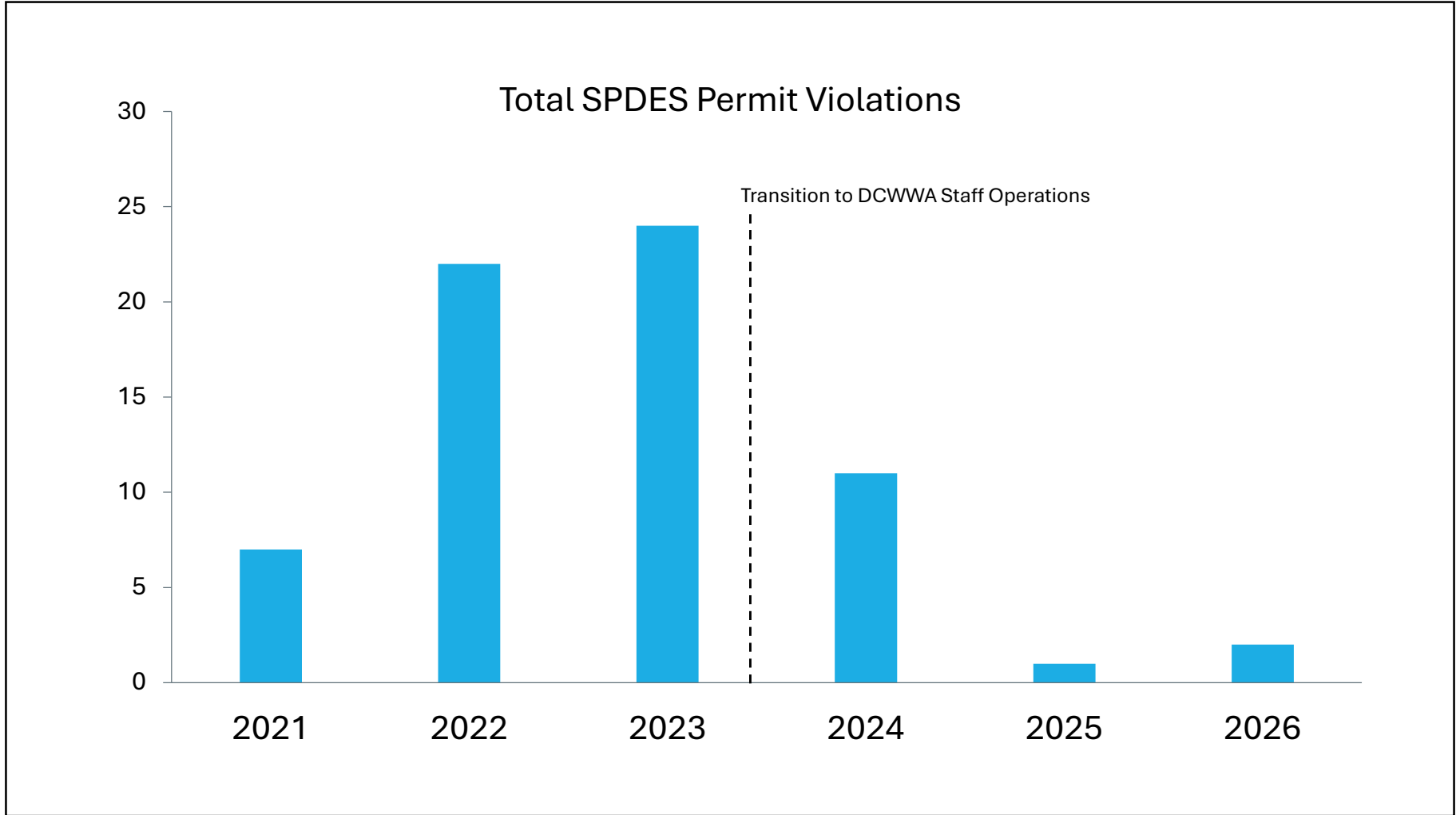
\$2,450
per household per year





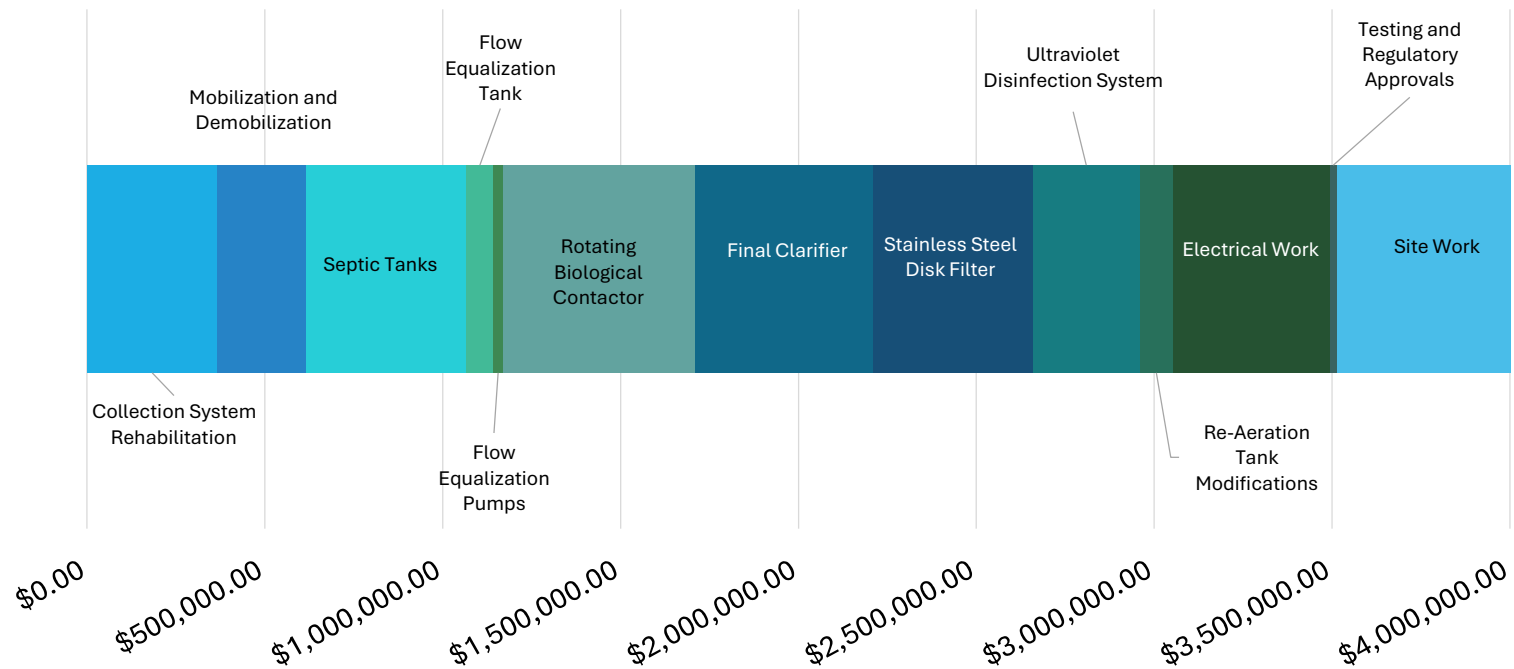
Getting more out of
what we already have





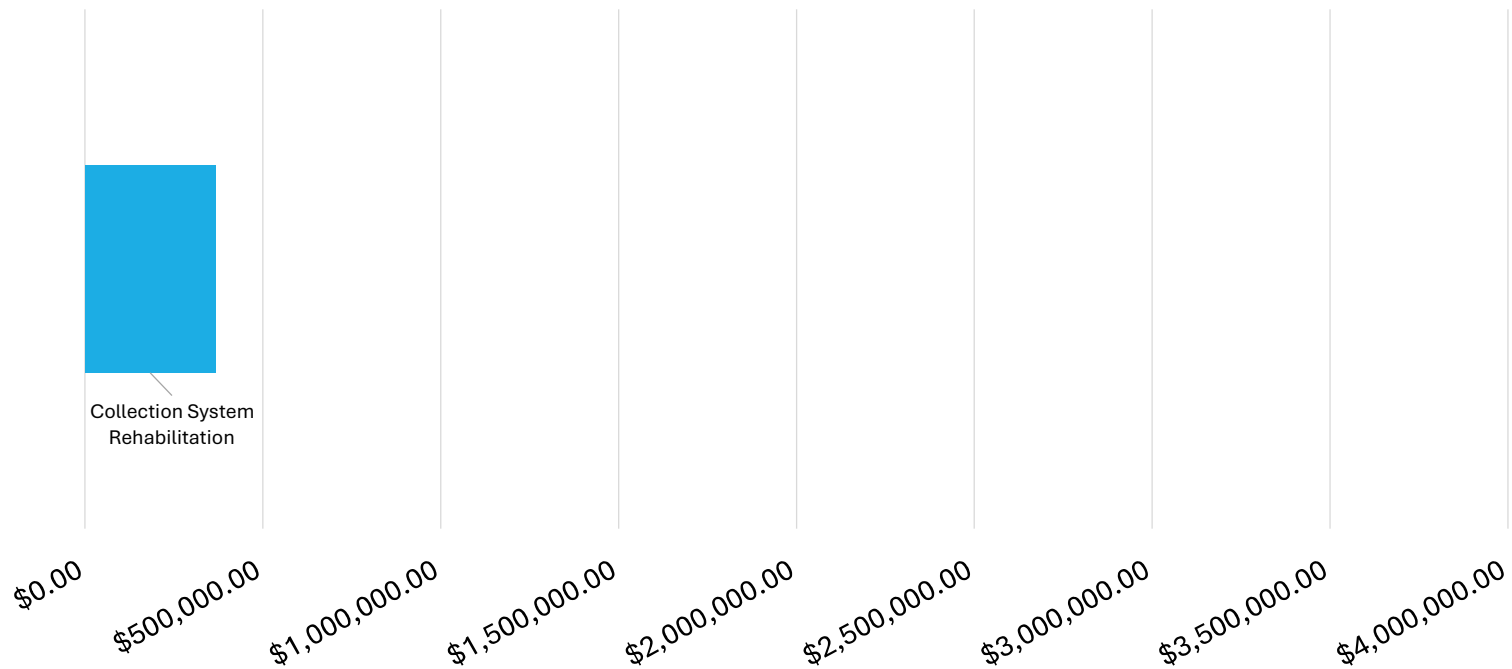
The Cost of Compliance

\$2,450
per household per year



The Cost of Compliance

~~\$2,450~~ \$220
per household per year



Compliance saves you money



In recent years, the system budget has contained \$42,000 for engineering



Following successful negotiations with DEC, this is no longer needed

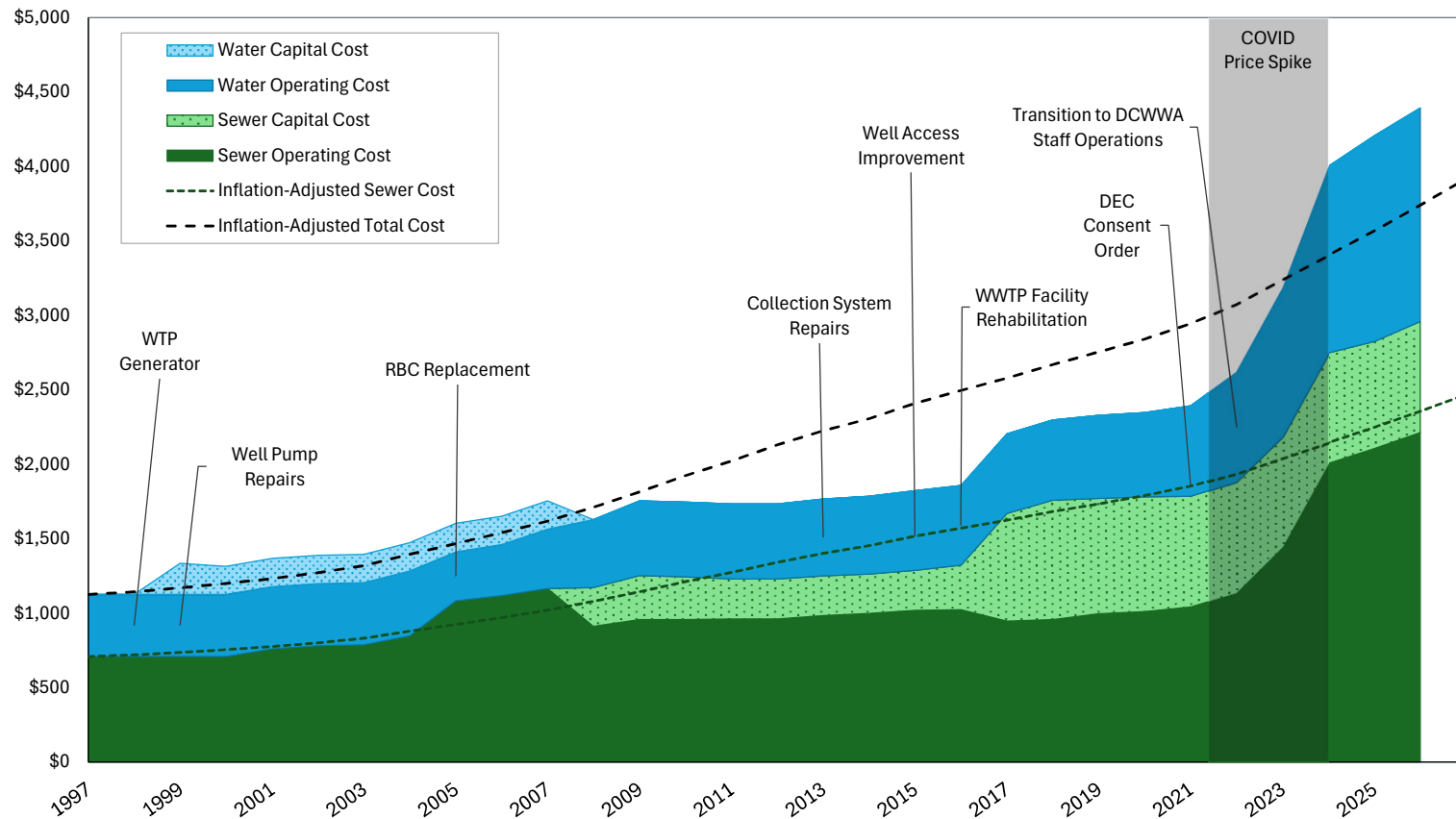


Added to fund balance: less money borrowed and less interest paid

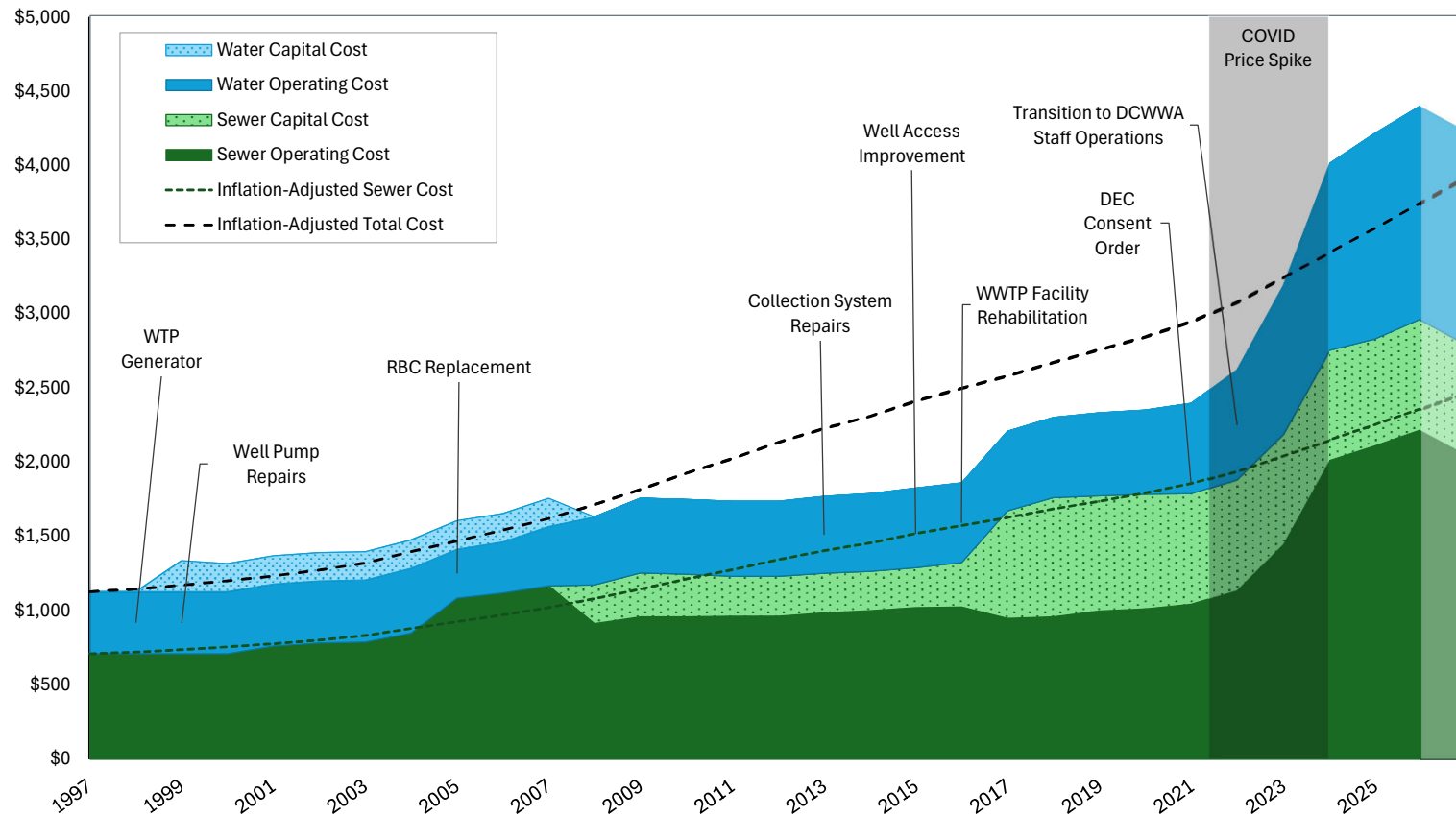


Next year, we will remove this line from the budget

Valley Dale Water and Sewer Costs, Actual and Inflation-Adjusted, 1997 - Present



Valley Dale Water and Sewer Costs, Actual and Inflation-Adjusted, 1997 - Present



Collection System Rehabilitation Options

1.) Traditional pipe replacement

- Requires asbestos remediation
- Extended timeframe
- Higher cost

2.) Cured-in-place pipe lining

- Fast
- Less disruptive
- Effective on structurally intact pipe
- Lower cost



Collection system improvements will reduce:

-  Sewage backups and spills
-  High level alarms
-  Electrical costs
-  Chemical costs
-  Permit noncompliance events
-  Wear and tear on equipment



Project Benchmarks

- ☒ Problem definition
- ☒ Preliminary engineering evaluation
- ☒ Funding acquisition
- ☐ Detailed design
- ☐ Request for bids
- ☐ Public notification
- ☐ Construction
- ☐ Facility performance monitoring
- ☐ Treatment plant upgrade analysis

Questions?

Dutchess County Water & Wastewater Authority

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Vanessa Kichline, Project Facilitator – vkichline@dutchessny.gov

