Agenda
Utility Advisory Committee Meeting
Tuesday, March 14, 2023
Richland City Shops Building ~ Room 110
2700 Duportail Street

Committee Members: Vice-Chair Lo Presti and Members Larkin, Miller, Porter, and Staven

Council Liaisons: Council Liaison: VanDyke
Council Liaison Alternate: Jones
Staff Liaison: Whitney

Regular Meeting - 3:00 p.m.

Call to Order/Attendance

Approval of Agenda: (Approved by Motion)

Approval of Minutes: (Approved by Motion)

1. Approval of January 10, 2023 Meeting Minutes
   - Karla Palomarez, Administrative Assistant II

Public Comments

Items of Business

2. Status- Each City Utility (10 Minutes Each)
   - Clint Whitney, Energy Services Director
   - Tom Huntington, Fire Chief
   - Pete Rogalsky, Public Works Director

3. Recommendation for Providing Sale of 2023 Electric Revenue Bonds (30 Minutes)
   - Clint Whitney, Energy Services Director

4. Medical Utility 2022 End of Year Update (30 Minutes)
   - Megan Maynard, Administrative Assistant II

Unfinished Business

Other Informational Items

5. Advanced Metering Infrastructure (AMI) Status
   - Clint Whitney, Energy Services Director

6. Forward Agenda
   - Clint Whitney, Energy Services Director

7. Recent Non-Federal Wholesale Market Purchases
   - Clint Whitney, Energy Services Director

Adjournment

The Richland City Shops Building is ADA accessible. Requests for sign interpreters, audio equipment, and/or other special services must be received 48 hours prior to the meeting by calling the City Clerk's Office at 509-942-7389.

UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 3/14/2023

Agenda Category: Approval of Minutes

Prepared By: Karla Palomarez, Administrative Assistant II

Subject:
Approval of January 10, 2023 Meeting Minutes

Department:
Energy Services

Recommended Motion:

Summary:
Approval of January 10, 2023

Fiscal Impact:

Attachments:
1. UAC Meeting Minutes 01.10.23

MINUTES
UTILITY ADVISORY COMMITTEE REGULAR MEETING
Tuesday, January 1, 2023 – Shops Room 110
Zoom - Public Telephone Access: (206) 337-9723 or (253) 215-8782
Meeting ID No. 930 7525 3836

Utility Advisory Committee Regular Meeting – 3:00 p.m
Vice Chair LoPresti called the meeting to order at 3:00 p.m.

Attendance: Vice Chair Lo Presti Committee Members Larkin, Miller, Porter and Staven were present. Also present were Staff Liaison and Energy Services Director Whitney, Council Liaison VanDyke, Public Works Director Rogalsky, Fire & Emergency Services EMS Program Officer Van Beek, Business Services Manager Edgemon, and Administrative Assistant Karla Palomarez.

Approval of Agenda
MEMBER LARKIN MOVED AND MEMBER PORTER SECONDED THE MOTION TO APPROVE THE AGENDA AS PUBLISHED. THE MOTION CARRIED 5-0.

Approval of Minutes
MEMBER PORTER MOVED AND MEMBER STAVEN SECONDED THE MOTION TO APPROVE THE JANUARY 10, 2023 MEETING MINUTES. THE MOTION CARRIED 5-0.

Public Comments:

Member Porter nominated Dave Larkin for Vice-Chair and Member Staven nominated Charles Lo Presti for Chair. Both nominated members were approved.

Items of Business

1. Status- Each City Utility

   Public Works Director, Rogalsky provided an update on cyanobacteria management for the water supply, storm water treatment program being in its 10th year, and Solid Waste Management. Mr. Rogalsky responded to questions from members.

   EMS Program Officer Van Beek presented an update on the totals of the year end 2022 report and the population growth rate in the area. A floorplan for Fire Station No. 76 is being finalized. New staff has been hired and more are still pending to open Station 76.

   Energy Services Director, Whitney provided an updated on Electric Utility activities since November meeting: capital plan finished up, AMI continuing January-February, rate increase for January 2024, plans to issue revenue bonds in 2023 and accomplishing strategic goals. Mr. Whitney responded to questions from members.

2. Regional Services-

Public Works Director Rogalsky had a presentation for Regional Services which included Wholesale Water Service Agreement with West Richland and Badger Mountain Irrigation District. New Service opportunities exist from the Horn Rapids Landfill capacity. Mr. Rogalsky responded to questions from members.

3. Update Cost of Service Analysis (COSA)-

   Energy Services Director Whitney discussed the COSA has been updated with 2021 actual financials and 2022 known financials. There are significant upcoming expenditures and revenues. The unrestricted cash continues to appear higher than normal due to transformer and cable inventory orders not received yet. The electric utility is on track to maintain adequate reserves and coverage ratios through 2023. Mr. Whitney responded to questions from members.

4. Physical Infrastructure Security Discussion- Energy Services Director Whitney addressed the cyber security emphasis for Energy Services in recent years. Staff are working with Richland Police Department for assistance with substation security against any sabotage. Staff have also contact outside agencies for assistance with the Vulnerability of Integrated Security Analysis (VISA). Mr. Whitney responded to questions from members.

5. Project Atlas Agro- Energy Services Director Whitney shared that the City of Richland and the Port of Benton are responding to an economic development opportunity in the North Horn Rapids Area and the City continues to support the potential project. Staff is working with utility attorneys with a letter of intent to serve as a power supply contract is negotiated. Mr. Whitney responded to questions from members.

6. BPA Status Update- Energy Services Director Whitney addressed the Reserve Distribution Clause (RDC), Western Resource Adequacy Program (WRAP), and BPA 2028 Provider of Choice option. Potential augmentation projects BPA has considered in anticipation of needing to add 436aMW were provided. Mr. Whitney responded to questions from members.

Unfinished Business

Recommendations were given to have updates from a UAC member presenting to Council. Requests were to provide a forward agenda for the next meeting.

Other Informational Items

Information on the following items was provided in the Agenda Packet for later review:

7. 2022 Capital Work Plan Results.
8. 2023 Capital Work Plan

Adjournment

Vice-Chair Lo Presti adjourned the meeting at 5:00 p.m.

APPROVED: ATTESTED:

Charles LoPresti, Utility Advisory Committee Chair	Karla Palomarez, Administrative Assistant

DATE APPROVED:

DATE PUBLISHED:

UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 3/14/2023

Agenda Category: Items of Business

Prepared By: Clint Whitney, Energy Services Director
Tom Huntington, Fire Chief
Pete Rogalsky, Public Works Director

Subject:
Status- Each City Utility (10 Minutes Each)

Department:
Energy Services

Recommended Motion:
This item is informational only.

Summary:
A representative from each of the City's utilities will provide a status update.

Fiscal Impact:

Attachments:

UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 3/14/2023 | Agenda Category: Items of Business

Prepared By: Clint Whitney, Energy Services Director

Subject:
Recommendation for Providing Sale of 2023 Electric Revenue Bonds (30 Minutes)

Department:
Energy Services

Recommended Motion:
Endorse staff recommendation for bond issuance in 2Q23.

Summary:
As part of forward business planning, Energy Services is recommending a revenue bond issuance of $8M during 2Q23. The bonds are necessary to support capital projects and are intended to be utilized over the 2023-2024 period, which has approximately $23M in capital projects planned. The difference between the capital plan expenditures and revenue bonds will be funded by rates. Specific capital projects include the addition of City View Substation Bank 2 ($4.3M), Stevens Substation Bank 1 Replacement ($1.8M), Thayer Bank 1 Replacement ($1.8M) and substational renewal and replacement of overhead and underground infrastructure ($6.8M). The City's capital improvement plan is available at: Capital Improvement Plan.

Issuance of revenue bonds has been anticipated and modeled in the Cost of Service Analysis without any rate impact through 2023. The structure of the revenue bond issuance typically matches the asset life and stair-step debt service criteria that UAC has historically preferred.

Staff recommends electric revenue bond issuance and encourages a motion from the UAC for similar support of electric revenue bond issuance in 2023.

Fiscal Impact:

Attachments:
1. CD_UAC_Presentation_Richland_City_of_2022-03-10

Richland, Washington

Electric Revenue and Refunding Bonds

March 14, 2023

PFM Financial
Advisors LLC

107 Spring Street
Seattle, WA 98104

Maggie Marshall
(206) 858-5361

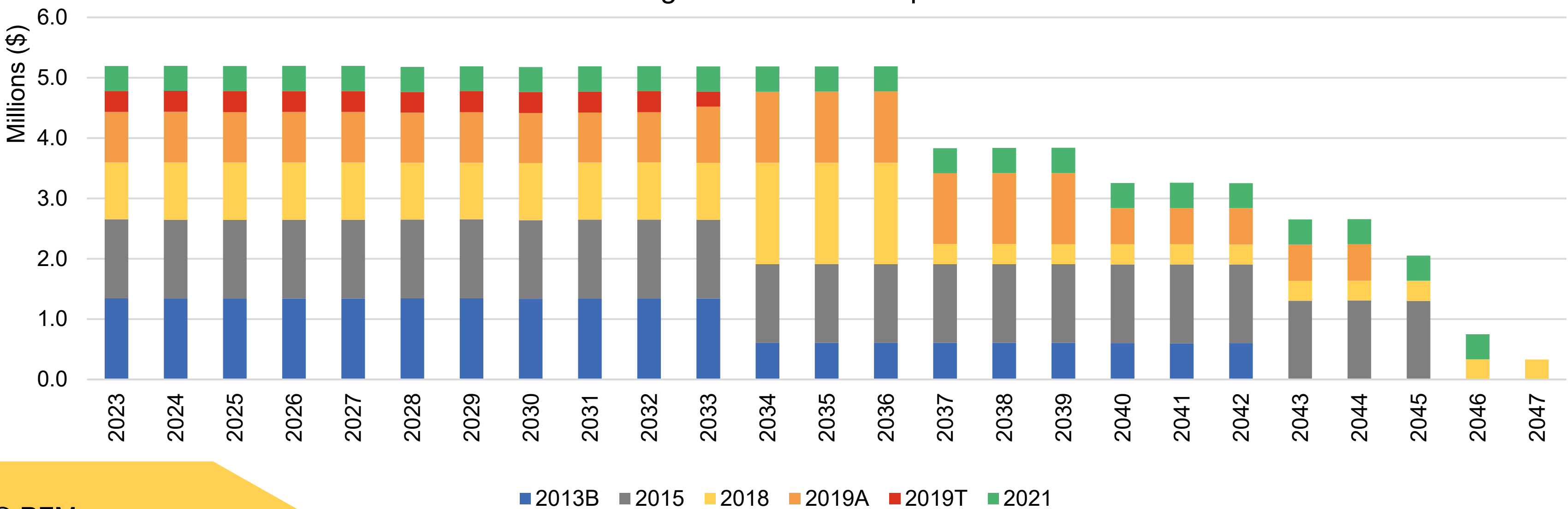
Discussion Topics

Outstanding Electric System Bonds

Series	Purpose	Issue Size	Delivery Date	Final Maturity	Call Date	Outstanding Coupons	Outstanding Par
2013B	To refinance Series 2003 and to finance improvements and additions to the Electric Utility	$19,435,000	5/16/2013	11/1/2042	5/1/2023	4% to 5%	$14,165,000
2015	Carry out the plan of additions and extension	19,435,000	11/10/2015	11/1/2045	11/1/2025	4% to 5%	17,920,000
2018	To refinance Series 2007 and to finance improvements and additions to the Electric Utility	19,800,000	4/5/2018	11/1/2047	11/1/2027	3% to 5%	13,455,000
2019A	To refinance Series 2009 and to finance improvements and additions to the Electric Utility	12,525,000	12/19/2019	11/1/2044	11/1/2029	4% to 5%	11,705,000
2019T	Horn Rapids Solar Storage and Training project	3,145,000	12/19/2019	11/1/2033	11/1/2029	2.3% to 3.2%	3,145,000
2021	Dallas Substation design, Gateway Substation construction, other renewal and replacement projects	6,415,000	12/1/2021	11/1/2046	11/1/2033	3% to 4%	6,415,000

Total Outstanding: $66,805,000

Existing Debt Service Requirements

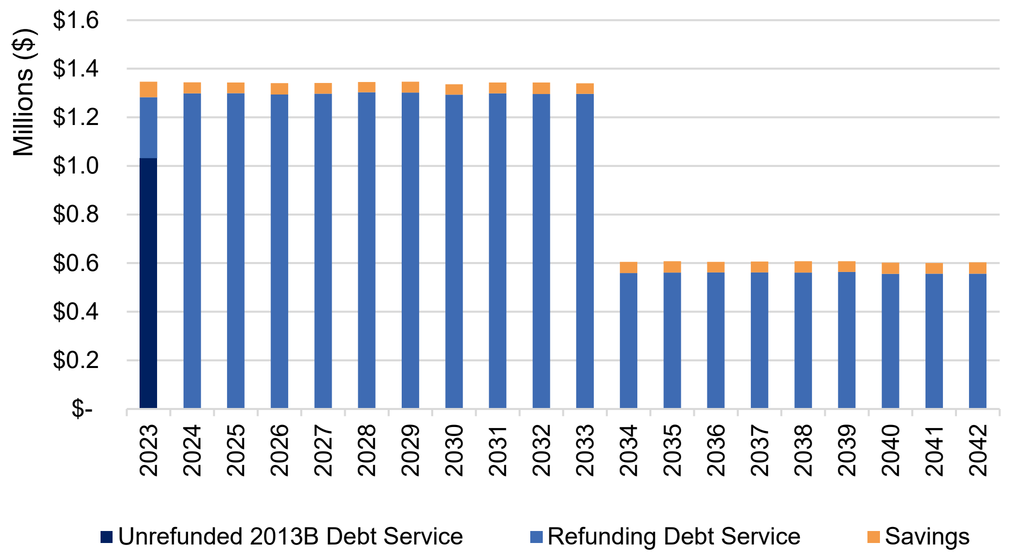


Refunding of Electric System Revenue Bonds, 2013B

- On May 5, 2013 the City issued its Electric System Revenue Bonds, 2013B
  - The 2013B bonds are callable beginning May 1, 2023
- Estimated Net Present Value (NPV) savings under current market conditions: 4.89% or $658,873
  - If rates were to increase by 0.25%, NPV savings would decrease to 3.20% or $431,119

Refunding Statistics	
Delivery Date	6/6/2023
NPV Savings	$658,873
NPV Savings %	4.89%
Average Annual Savings:	$44,847
Refunded Par	$13,475,000
Refunding Par	$12,465,000

Estimated Savings



Assumes tax-exempt A revenue rates as of 3/8/2023

Electric System Revenue Bonds, 2023

- The City anticipates financing approximately **$8.0 million** for projects, which consist of improvements to the System including:
- A summary of the capital expenditures expected to be financed, in whole or in part, with proceeds of the Bonds is as follows:

Capital Expenditures	
City View Bank 2 Substation Addition	$4,300,000
Stevens Bank 1 Substation Replacement	$1,800,000
Thayer Bank 1 Substation Replacement	$1,800,000
Renewal and Replacement Projects	$6,800,000
Total Capital Expenditures	**$14,700,000**
Sources of Funds	
2023 Bond Proceeds	$8,000,000
Rate Revenues	$6,700,000
Total Sources of Funds	**$14,700,000**

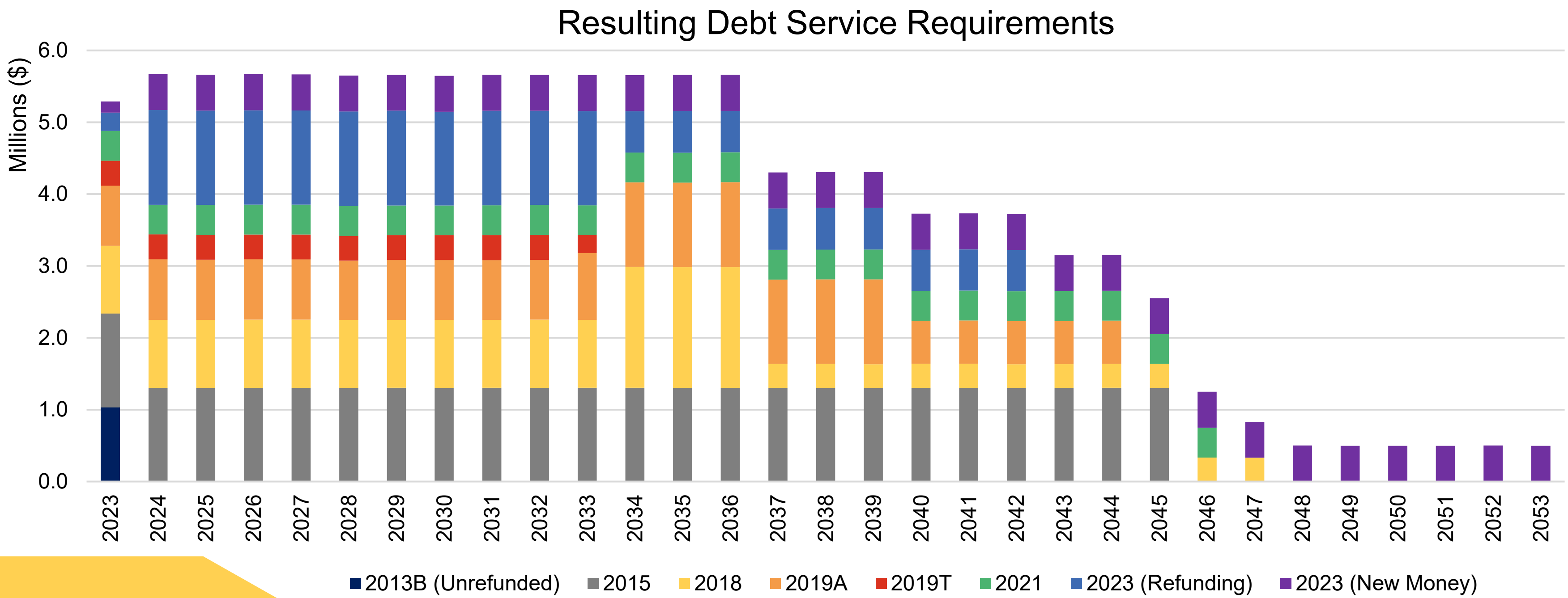
- In April, the City Council will be asked to consider a bond ordinance authorizing the 2023 Bonds
  - The "new money" portion of the financing is expected to be structured with a 30-year term (level debt service)
  - If issued, the 2013B refunding would be structured consistent with the structure of the refunded debt

Summary of the Proposed 2023 Bonds

- Estimated annual debt service on "new money" portion of 2023 Bonds: $500,400
- Estimated aggregate maximum annual debt service: $5,670,700

Estimated Results	Refunding	New Money	Combined
Par Amount	**$12,660,000**	**$7,695,000**	**$20,355,000**
Net Proceeds(1)	13,536,128	$8,000,000	$21,536,128
Final Maturity	11/1/2042	11/1/2053	11/1/2053
True Interest Cost	3.96%	4.61%	4.29%

(1) *Net of estimated issuance costs*



Assumes tax-exempt A revenue rates as of 3/8/2023 plus 0.25%

2023 Bonds—Key Dates

MARCH

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

APRIL

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

MAY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

JUNE

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Activity	Date
Utility Advisory Committee to review plan of finance (3:00 p.m.)	March 14
City Council Meeting – first reading of Bond Ordinance (6:00 p.m.)	April 4
City Council meeting to pass Bond Ordinance (6:00 p.m.)	April 18
Bond Sale	June 24
Bond Closing	July 6

Note: Dates are tentative and subject to change

Appendix

S&P Credit Rating Summary

S&P Global

- On October 21, 2021, S&P affirmed its “A” rating on the City’s Electric Revenue Bonds
- Details from the 2021 report are summarized below

Current Rating / Outlook	A / Stable
Date of Last Rating	10/21/2021 – Credit Opinion
Credit Strengths	• Robust service area economy in the Richland-Kennewick metropolitan statistical area (MSA), with 45% electric revenue obtained from residential customers and very strong income indicators, though note some concentration from the leading customers • Competitive rates, as evidenced by an average revenue per kilowatt-hour (kWh) that is 6% below the state average • Good operational management practices and policies, which includes formalized financial policies and practices and credit supportive rate-setting practices • Projected stable fixed-cost coverage (“FCC”) given planned annual rate increases and growth within the service area
Credit Challenges	• Insufficient liquidity position, based on the utility's weak, but stable, days' cash during the past three years with an average of just 38 days' annually • High debt burden profile marked by a debt-to-capitalization ratio of 54% as of fiscal 2020 with a $74 million CIP, which management plans to fund with surplus revenue, grants, and debt.

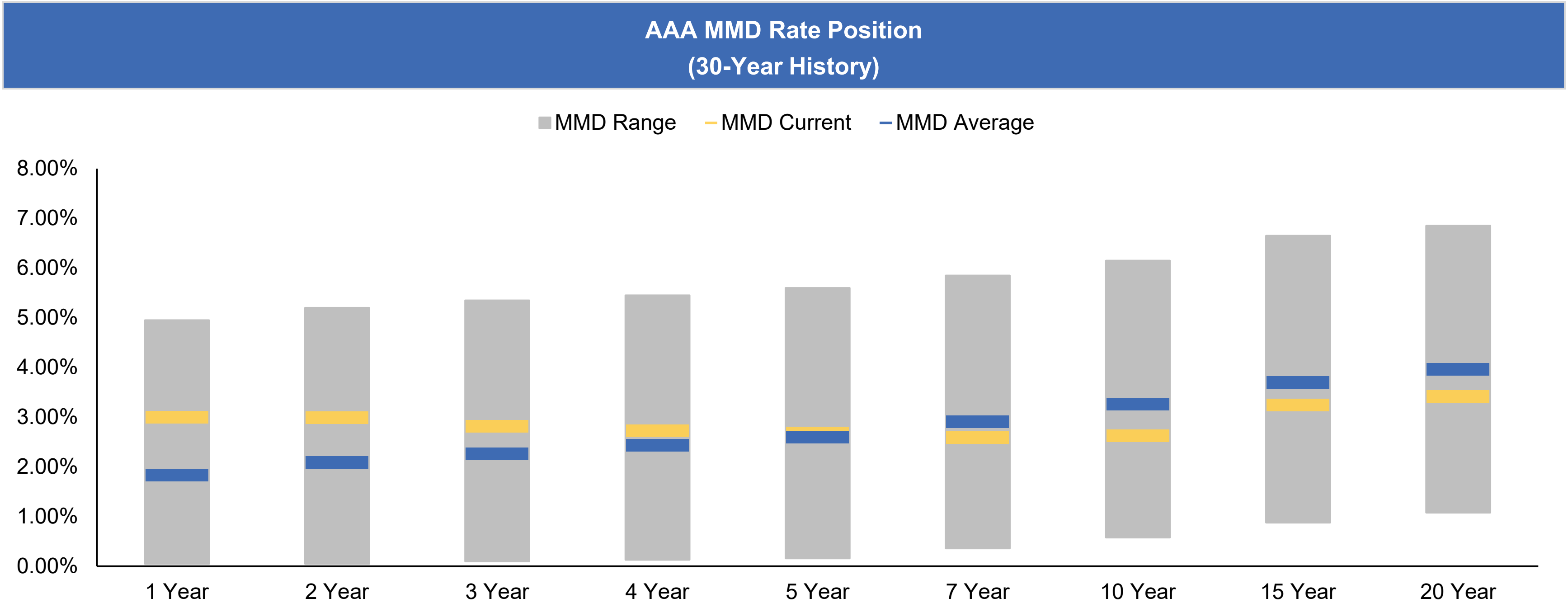
What could make the rating go up?

- FCC continues to rise to levels commensurate with the higher rating, unrestricted cash improves significantly and is sustained, and if the electric system deleverages

What could make the rating go down?

- Complying with future environmental regulations negatively pressures financial metrics demonstrated by a decline in FCC or unrestricted cash
- FCC does not meet projections or if the electric system leverages more than projected, resulting in a higher debt-to-capitalization ratio and lower FCC

Historical AAA MMD Position

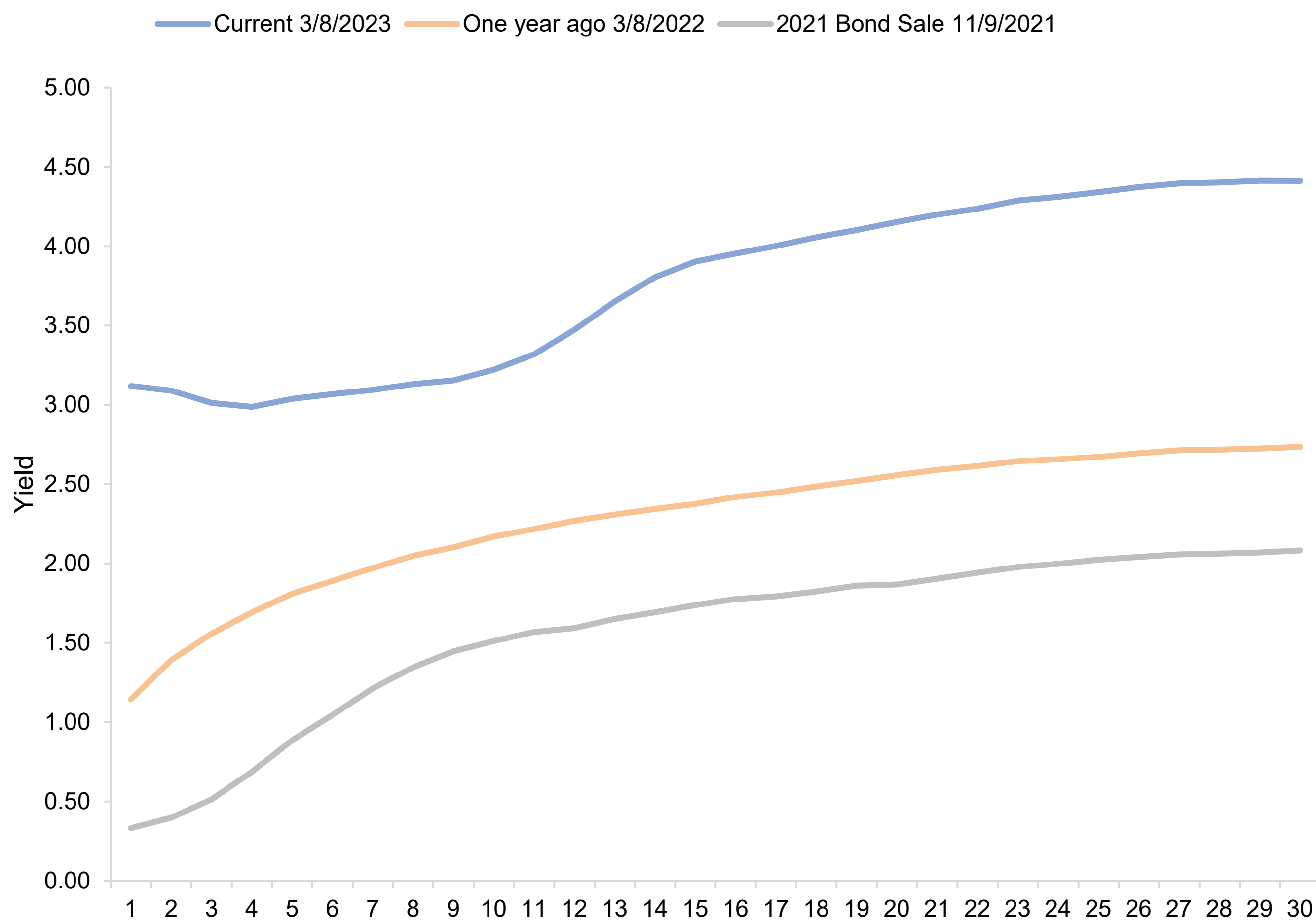


Statistic	1 Year	2 Year	3 Year	4 Year	5 Year	7 Year	10 Year	15 Year	20 Year	25 Year	30 Year
3/3/2023	3.00%	2.99%	2.82%	2.73%	2.68%	2.59%	2.63%	3.25%	3.42%	3.55%	3.60%
Average	1.84%	2.09%	2.27%	2.43%	2.60%	2.91%	3.27%	3.70%	3.97%	4.11%	4.15%
Spread to Avg.	1.16%	0.90%	0.55%	0.30%	0.08%	(0.32%)	(0.64%)	(0.45%)	(0.55%)	(0.56%)	(0.55%)
Minimum	0.05%	0.05%	0.10%	0.13%	0.16%	0.36%	0.58%	0.88%	1.08%	1.22%	1.27%
Spread to Min.	2.95%	2.94%	2.72%	2.60%	2.52%	2.23%	2.05%	2.37%	2.34%	2.33%	2.33%
Maximum	4.95%	5.20%	5.35%	5.45%	5.60%	5.85%	6.15%	6.65%	6.85%	6.90%	6.95%
Spread to Max.	(1.95%)	(2.21%)	(2.53%)	(2.72%)	(2.92%)	(3.26%)	(3.52%)	(3.40%)	(3.43%)	(3.35%)	(3.35%)
Percent of Market Days Lower	69.35%	64.25%	60.03%	55.97%	51.94%	45.66%	36.83%	37.64%	35.19%	34.06%	34.03%

Source: Thomson Reuters

Recent A Revenue Yield Curve Movement

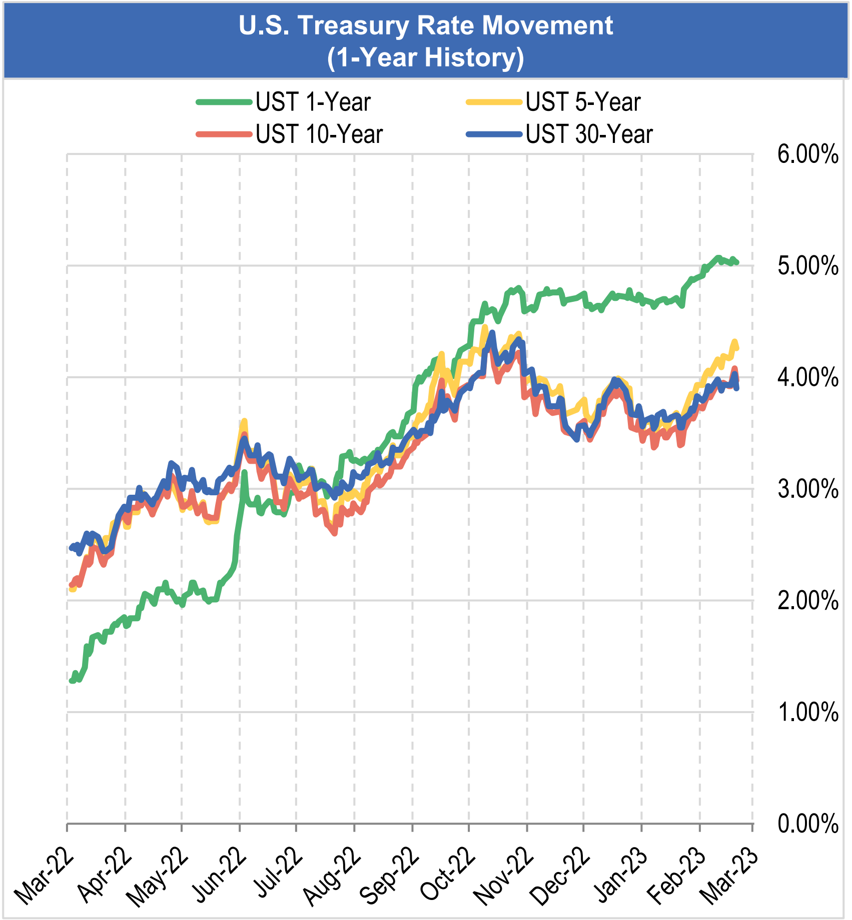
Revenue A BVAL Yield Curve Movement

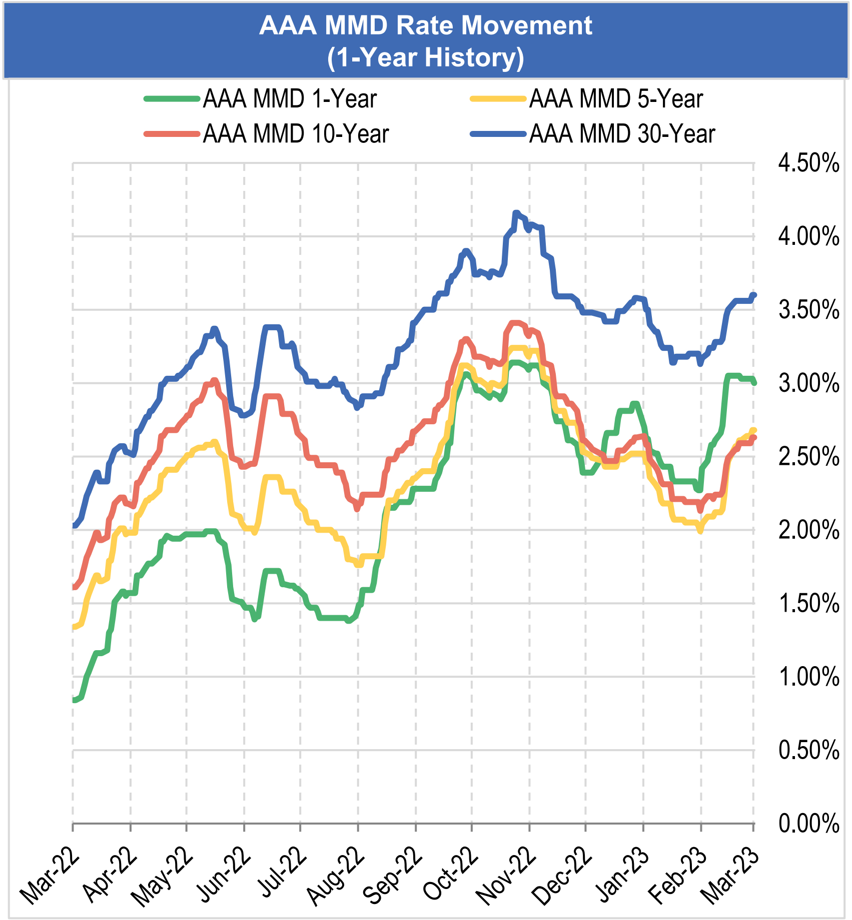


Source: Thomson Reuters

Maturity	∆ Since 03/08/2022	∆ Since 11/09/2021
1-Year	1.98%	2.79%
2-Year	1.70%	2.69%
3-Year	1.45%	2.50%
4-Year	1.30%	2.30%
5-Year	1.23%	2.15%
6-Year	1.18%	2.02%
7-Year	1.12%	1.88%
8-Year	1.08%	1.78%
9-Year	1.05%	1.70%
10-Year	1.05%	1.71%
11-Year	1.10%	1.75%
12-Year	1.20%	1.88%
13-Year	1.34%	2.00%
14-Year	1.47%	2.12%
15-Year	1.52%	2.16%
16-Year	1.53%	2.17%
17-Year	1.55%	2.21%
18-Year	1.57%	2.24%
19-Year	1.58%	2.24%
20-Year	1.59%	2.28%
21-Year	1.61%	2.30%
22-Year	1.63%	2.30%
23-Year	1.64%	2.31%
24-Year	1.65%	2.31%
25-Year	1.67%	2.32%
26-Year	1.67%	2.33%
27-Year	1.69%	2.34%
28-Year	1.68%	2.34%
29-Year	1.69%	2.34%
30-Year	1.67%	2.33%

U.S. Treasury & AAA MMD Rate Movement



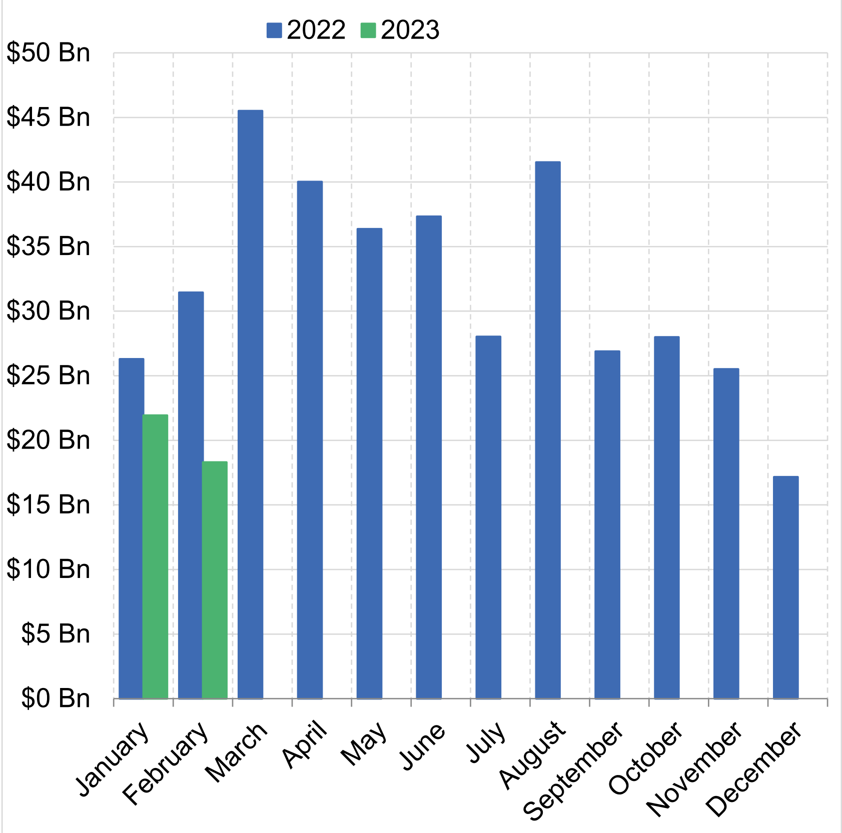


Source: Thomson Reuters

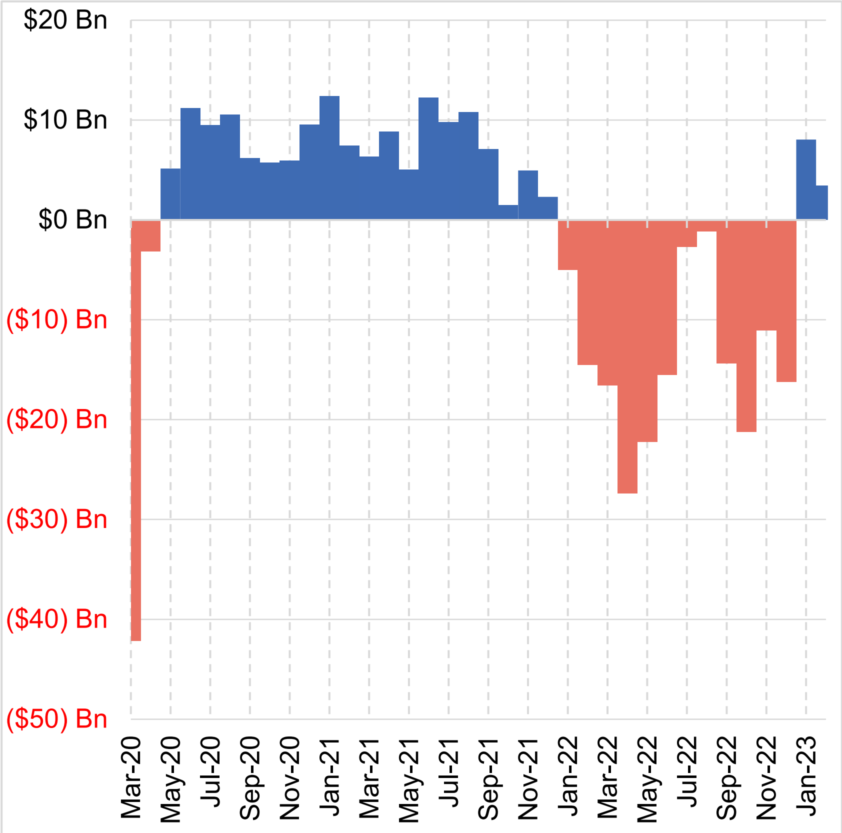
Municipal Market Supply & Demand

- New issuance volume was down by 42% year-over-year in February, year-to-date new issuance volume was 31% lower than 2022 issuance through February.

Overall Municipal Market Volume (Supply)



Municipal Fund Flows (Demand)

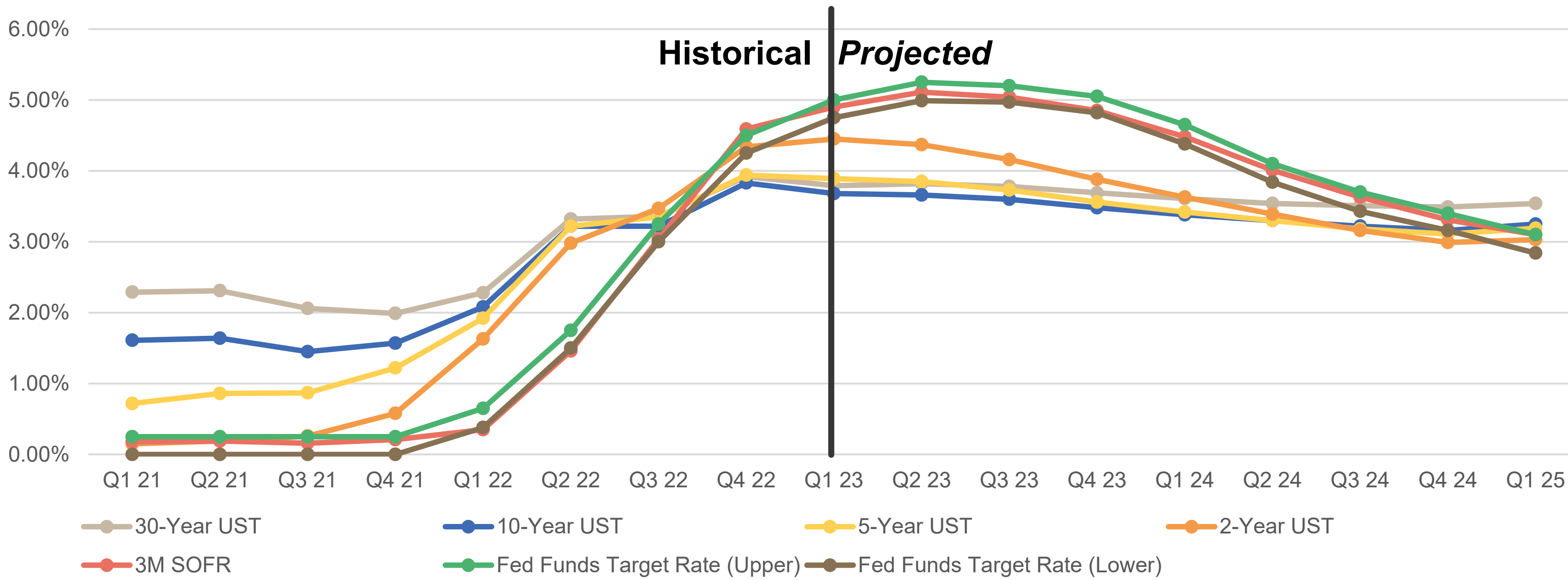


Source: Bond Buyer, Investment Company Institute

Historical and Forecasted Interest Rates

- The charts below show consensus forecasts from numerous financial institutions as reported by Bloomberg.

Bloomberg Bond Yield Forecast										
Average Forecasts	**Current**	**Q1 23**	**Q2 23**	**Q3 23**	**Q4 23**	**Q1 24**	**Q2 24**	**Q3 24**	**Q4 24**	**Q1 25**
30-Year UST	3.86%	3.79%	3.82%	3.78%	3.69%	3.61%	3.54%	3.51%	3.49%	3.54%
10-Year UST	3.93%	3.68%	3.66%	3.60%	3.48%	3.38%	3.30%	3.22%	3.16%	3.25%
5-Year UST	4.23%	3.89%	3.85%	3.73%	3.56%	3.42%	3.30%	3.18%	3.11%	3.19%
2-Year UST	4.86%	4.45%	4.37%	4.16%	3.88%	3.63%	3.39%	3.16%	2.99%	3.03%
3M SOFR	4.94%	4.90%	5.11%	5.04%	4.85%	4.48%	4.01%	3.63%	3.31%	3.10%
Fed Funds Target Rate (Upper)	4.75%	5.00%	5.25%	5.20%	5.05%	4.65%	4.10%	3.70%	3.40%	3.10%
Fed Funds Target Rate (Lower)	4.50%	4.75%	4.99%	4.97%	4.82%	4.38%	3.84%	3.43%	3.16%	2.84%



Source: Bloomberg, as of 3/6/2023

Glossary of Financial Terms

- **Bond proceeds** - The par amount (face value) of a bond issue, plus any premium (for premium bonds) and less any original issue discount (for discount bonds). The actual amount of funds received by the bond issuer.
- **Call date** - The date on which bonds may be redeemed prior to their scheduled maturity.
- **Coupon** - The periodic, nominal rate of interest the City pays to holders of a particular bond, generally a round number (e.g., 4.50% or 5.00%).
- **Delivery date** - The date on which the bond issue is “closed” and the City receives the bond proceeds.
- **Maturity** - The date the principal amount of a specific bond becomes due and payable to the bondholder. A series of bonds typically consists of multiple bond maturities over a period of time (i.e., 20-30 years).
- **Par amount** - The amount of principal of a bond that must be paid at maturity (i.e., the face value)
- **True Interest Cost** – Represents the rate necessary to discount the amounts payable on the respective principal and interest payment dates to the purchase price received for the new issue of bonds.
- **Yield** – the effective interest rate on a particular bond, reflective of the credit quality of the bonds and general market conditions at the time of sale. May be higher than the coupon (in which case the bond is sold at a *discount* - less than face value) or lower than the coupon (in which case the bond is sold at a *premium* - greater than face value).

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pfm

UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 3/14/2023

Agenda Category: Items of Business

Prepared By: Megan Maynard , Administrative Assistant II

Subject:
Medical Utility 2022 End of Year Update (30 Minutes)

Department:
Fire & Emergency Services

Recommended Motion:
This item is informational only.

Summary:
Presentation on 2022 Annual Report; Operational and Financial summary for 2022, Strategic Plan work elements for 2023, and rate model projections extending through 2024.

Fiscal Impact:
N/A

Attachments:

UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 3/14/2023 | Agenda Category: Other Informational Items

Prepared By: Clint Whitney, Energy Services Director

Subject:
Advanced Metering Infrastructure (AMI) Status

Department:
Energy Services

Recommended Motion:

Summary:
On February 13, 2023, the City leadership team decided to pause installation of Advanced Metering Infrastructure (AMI) for both water and electric meters. This was a result of recent implementation issues causing customer disruption and concerns about high bills. The City formed a task team to evaluate and resolve the implementation issues before continuing with meter installations. The implementation issues included:

- Installation communication and crew identification
- Estimating mechanical meters
- Estimating AMI meters
- Extra cold November, December, and January weather
- Meter multiplier billing corrections
- Worn old meters
- Supply chain issues for materials and installation resources
- Increased customer call volumes; twice the normal

The largest issue was a significant number of estimated utility bills from a combination of data export file work processes, meter reading resources, weather causing meter reading access problems, internal controls on configuration management, and supply chain issues causing meter delivery delays. Each of these issues caused some customer utility bills to be estimated for one or more months. The utility billing system uses consumption from the month one year ago to create an estimated consumption. However, November 2022 and December 2022 were much colder than the previous four years and January 2023 was colder than the average of the previous four years. When an actual meter reading was completed, it resulted in a true up of the consumption from the estimated reads and high bill complaints.

The AMI task team has resolved the issues causing estimated reads and is committed to ensure actual reads are obtained on all meters going forward, if at all reasonably possible. City staff have been reviewing many utility accounts and field checked electric meters to verify the utility bills are accurate. There are approximately 100 water meters not properly communicating that the meter manufacturer is working to solve. I'm expecting the AMI meter installations will resume in the next week or two with all meters installed by mid 2023. Approximately 90% of AMI electric meters and 50% of AMI water meters have been installed.

Additional information on the AMI project can be found with recent FAQs and links to a Council video update at: AMI Project Status.

Fiscal Impact:

Attachments:

UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 3/14/2023

Agenda Category: Other Informational Items

Prepared By: Clint Whitney, Energy Services Director

Subject:
Recent Non-Federal Wholesale Market Purchases

Department:
Energy Services

Recommended Motion:

Summary:
In response to a UAC request, the following is a summary of all recent non-federal wholesale market purchases. For perspective, forward wholesale prices were about $30/MWh in 2021, $45-55 in 2022, and jumped to $90+/MWh in 2023. There continues to be seasonality to market prices. However, legislation on removing coal generation resources and conflicts in Europe have increased demand for natural gas resources with electrical wholesale costs following natural gas costs.

Non-Federal Market Purchases	**FFY2020**	**FFY2021**	**FFY2022**	**FFY2023**	**FFY2024-FFY2028**
Shell Energy NA	5MW @ $22.75/MWh	5MW @ $24.70/MWh			0MW
Transalta	3MW @ $30.95/MWh	3MW @ $31.50/MWh	6MW @ $26.65/MWh	6MW @ $28.25/MWh	0MW
Transfer from Columbia REA			2MW @ $29.30/MWh		0MW
Intercontinental Exchange (ICE)				2MW @ $98/MWh Average	0MW

With the market volatility and upcoming deadline for coal generation shutdowns, most consumer-owned utilities without specified resources, like the City of Richland, have reduced market purchase obligations for any above high water mark (AHWM) loads. The recommended wholesale purchase plan for 2024-2028 is to utilize BPA for Tier 1 and Tier 2. BPA's rate period costs for Tier 2 are approximately $60/MWh with costs reduced from recent surplus secondary sales, compared to the non-federal market.

Fiscal Impact:

Attachments:

UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 3/14/2023

Agenda Category: Other Informational Items

Prepared By: Clint Whitney, Energy Services Director

Subject:
Forward Agenda

Department:
Energy Services

Recommended Motion:
This item is informational only.

Summary:

May
-Reliability Statistics Review (RES)
-Supply Chain Status (RES)

July
- Capital Improvement Plan (RES)

September
-Resource Adequacy and Regional Transmission Organization (RTO) (RES)

November
-Electric Services Rate Recommendation

January
-Election of UAC Chair and Vice Chair
-Electric Cost of Service Analysis (COSA)

Fiscal Impact:

Attachments: