

Board of Directors
Michael W. Mobley, President
Bruce E. Dandy, Vice President
Sheldon G. Berger, Secretary/Treasurer
Patrick J. Kelley
Lynn E. Maulhardt
Edwin T. McFadden III
Daniel C. Naumann

General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

MINUTES FINANCE AND AUDIT COMMITTEE MEETING

Monday, November 9, 2020 – 9:00 A.M.

<u>UWCD Headquarters, Board Room</u>

1701 N. Lombard Street, Oxnard, CA 93030

In addition to its public Finance and Audit Committee Meeting, public members could choose to participate virtually using the Webex video conferencing application.

COMMITTEE MEMBERS PRESENT:

Sheldon G. Berger, Chair Bruce Dandy Patrick Kelley

STAFF PRESENT:

Anthony Emmert, Assistant General Manager
Joseph Jereb, Chief Financial Officer
Ambry Tibay, Senior Accountant
Josh Perez, Human Resources Manager
Zachary Plummer, Information Technology Administrator
Jackie Lozano, Administrative Assistant II/Clerk for the Committee

PUBLIC PRESENT:

None

OPEN SESSION

The meeting was called to order by Chair Berger at 8:58 A.M.

Committee Members Roll Call

The Clerk called roll call. All three Directors were present (Berger, Dandy, Kelley).

1. Public Comment

Chair Berger asked if there were any public comments; none were offered.

CLOSED SESSION

The Committee moved to closed session at 8:59 A.M.

2. Real Property Matters

Discussion of Real Property Negotiations

[Government Code Section 54956.8]

Property: 1701 N. Lombard Street, Oxnard CA

Agency Negotiator: Joseph Jereb

Negotiating Party: United Water Conservation District

Under Negotiation: <u>Instructions to negotiators will concern price and terms of lease</u>.

SECOND OPEN SESSION

The second open session was called to order at 9:09 A.M.

3. Oral Report Regarding Executive (Closed) Session

Assistant General Manager Mr. Anthony Emmert reported no action was taken by the Committee that was reportable under the Brown Act.

4. Approval of October 13, 2020, Finance and Audit Committee Meeting Minutes

Motion to approve the Committee Minutes from October 13, 2020, Director Kelley; Second, Director Dandy. Roll call vote, three ayes (Berger, Kelley, Dandy); none opposed. Motion carried, 3/0.

5. November 10, 2020, Board Meeting Agenda Items

Agenda Item 4.3: Request from AT&T to Amend Lease Agreement for Cell Tower and Backup Generator at Lake Piru

Chief Financial Officer Joseph Jereb summarized the recommendation for the Committee. There was discussion of AT&T's monthly lease payment, which would increase from \$900 to \$1,300 as a result of the additional square footage added to the lease. Also, the backup generator, which is located away from the edge of the lake, is diesel powered and accommodations have been made for fuel storage onsite. The agreement includes indemnity provisions for the District in the event of future environmental hazards created by the tower or the generator. The agreement was reviewed by the legal team prior to presentation to the Committee.

There was a question if the AT&T cell tower offers a wireless connection for public or employee use. No special arrangements have been made for cell tower use for employee or public use. In the event of an emergency, the cell tower would maintain communication between the lake and offsite facilities. The County of Ventura, as well as the District, has a microwave pad on the tower for emergency communication.

The Committee recommends approval of the amended lease agreement to the full Board. No further questions or comments from the Committee.

6. Monthly Investment and Pipeline Delivery Reports (September 2020)

The Committee reviewed the monthly investment and pipeline delivery reports as presented in the Finance and Audit Committee packet.

Informational item. No action was taken by the Committee.

7. Fiscal Year 2020-21 First Quarter Financial Report (July 1, 2020 – September 30, 2020)

Mr. Jereb summarized the first quarter financial report for the Committee (presentation attached). There was a question concerning the Freeman Fund, if associated with the lack of increase in the groundwater rates. Funding was affected due to groundwater rates being kept steady as well as unexpected expenses incurred by the District.

Informational item. No action was taken by the Committee.

8. Board Requested Cost Tracking Items

The Committee reviewed the costs to date that the District had incurred:

- a) as part of the licensing efforts and the probable maximum flood studies for the Santa Felicia Dam;
- b) in relation to environmental mandates;
- c) in relation to litigation with the City of Ventura, Wishtoyo Foundation complaint and District legal costs over the past several fiscal years; and
- d) in relation to professional fees over the past several fiscal years.

Informational item. No action was taken by the Committee.

9. Monthly Administrative Services Update

Financial updates for the month of October 2020 were provided to the Committee by Mr. Jereb. Human Resources Manager Mr. Josh Perez presented updates on Administration, Human Resources, IT, and Risk Management (presentation attached).

There was a discussion as to why the City of Oxnard increased pipeline deliveries in October. The District had no indication as to why there was an increase, however it was surmised that a potential increase in September was due to a blending station taken out of service. Fox Canyon GMA switched to a new allocation year beginning October 1 and implemented a rollback to 2014 allocation levels. This results in users having more GMA allocation this year as compared to last. Looking ahead, Finance will be working with O&M to understand the projected OH demands going forward.

Chair Berger thanked Mr. Jereb on a job well done regarding the District bond refunding efforts.

Informational item. No action was taken by the Committee.

10. Future Agenda Items

Chair Berger asked if there were any agenda items for next meeting. Mr. Jereb mentioned that he would present results of the audit and Comprehensive Annual Financial Report. Director Kelley requested Finance to review the narrative for the CIP reports and replace outdated information for the next update. No other agenda items were offered by District staff or the Committee.

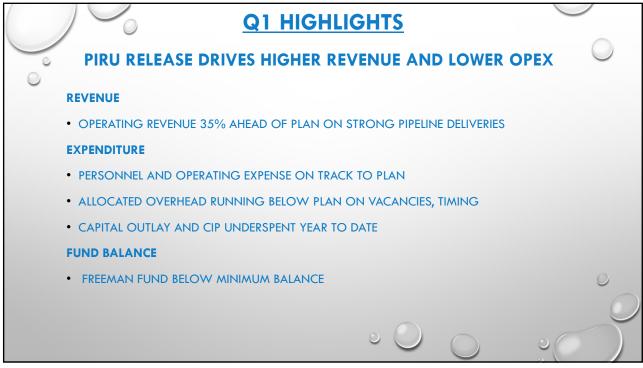
ADJOURNMENT 9:51 A.M.

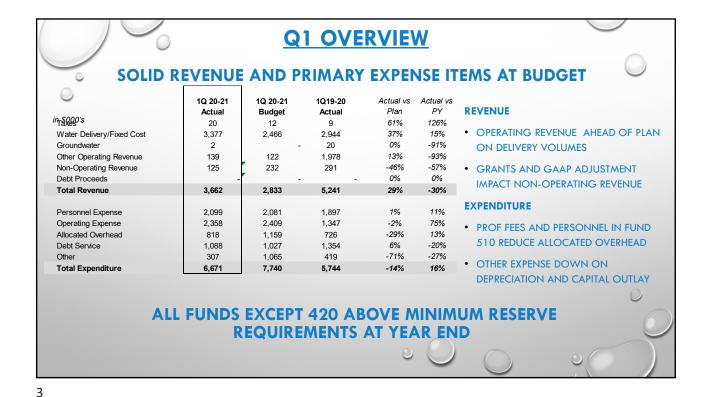
Chair Berger adjourned the meeting at 9:51 A.M.

I certify that the above is a true and correct copy of the minutes of the UWCD Finance and Audit Committee Meeting of November 9, 2020.

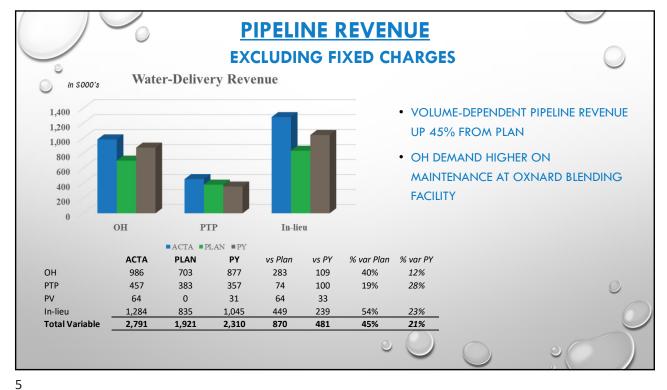
Committee Chair Sheldon G. Berger

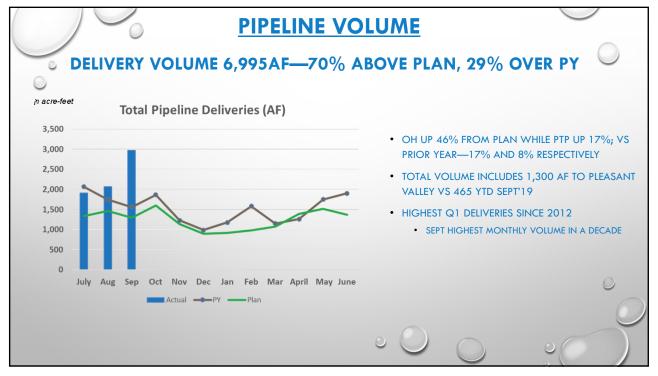


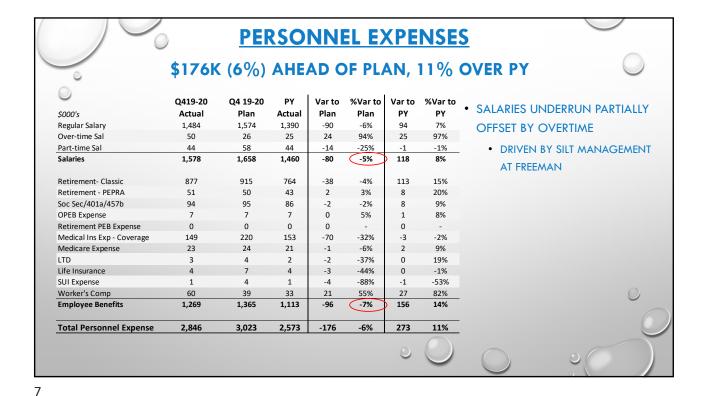




Q1 20-21 REVENUE Q1 DOMINATED BY PIPELINE DELIVERIES AHEAD OF PLAN **TOTAL REVENUE \$830K OVER PLAN Total Revenue** in \$000's PIPELINE REVENUE \$900K AHEAD 3,500 OF PLAN ON OH VOLUMES + PV 3,000 SURFACE WATER DELIVERIES 2.500 2,000 OTHER REVENUE INCLUDES 1,500 **GRANTS NOT INVOICED AND** 1,000 **GAAP ADJUSTMENT TO** 500 INVESTMENT INCOME Groundwater Other Pipeline Taxes ■ACTA ■PLAN ■PY



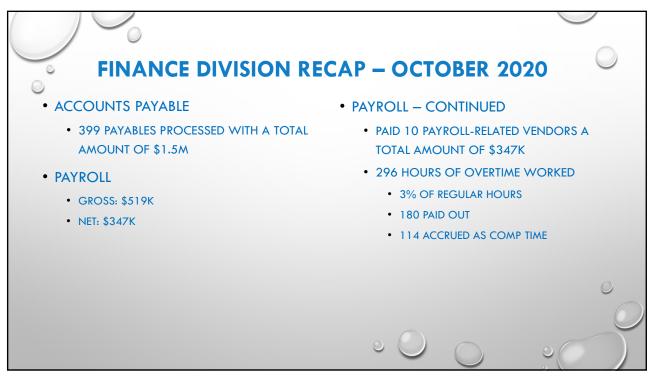


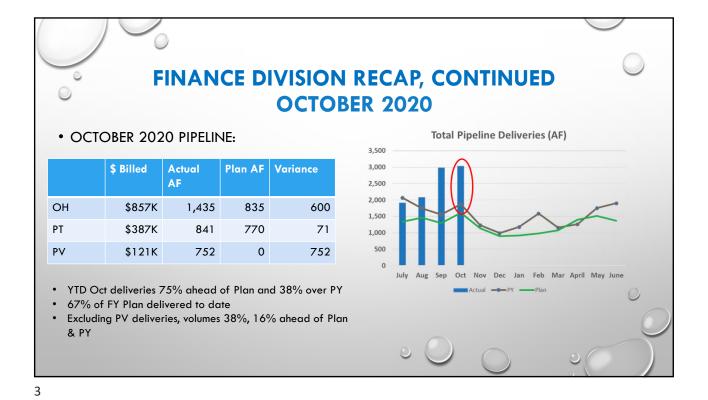


OPERATING EXPENSES PROFESSIONAL FEES AND MAINTENANCE DRIVE PLAN UNDERRUN 1Q 20-21 1Q 20-21 1Q19-20 Var to %Var to Var to %Var to Plan Plan PΥ PΥ \$000's Budget Prof. Fees - Environmental 45 229 -184 -80% -67 -60% PROFESSIONAL FEES Prof. Fees - Other 63 365 102 -301 -83% -39 -38% Prof. Fees - Engineering 61 -47 -78% 143% **UNDERSPEND DUE TO** Profess Fees - Finance 24 48 46 -25 -51% -48% -22 Prof Fees - GW, IT, HR 32 66 -51% 33% TIMING OF CONSULTING 178 769 289 -111 Professional Fees **PROJECTS** Legal Fees 862 0 74 1070% LEGAL BUDGET ASSUMED Utilities 437 277 251 159 57% 74% Maintenance 107 387 150 -280 -72% -29% -43 NO INVOICING IN Q1 Field Supplies 62 167 117 -105 -63% -55 -47% Insurance 341 355 245 -14 -4% 39% (CORRECTED IN REVISED Office Expenses 107 86 81 21 24% 25 31% **BUDGET)** Miscellaneous 107 167 50 -60 -36% 57 115% Travel, Meetings, Training 3 63 28 -60 -95% -24 -88% Gasoline, Diesel, Fuel 21 46 30 -25 -55% -9 -31% Fox Canyon GMA 5 0 -4 -80% 935% Safety, Supplies, Clothing 8 21 -13 -62% 1 10% 11 16 15 -6 -35% -4 -28% **General Operating Expenses** 1,204 1,591 974 -388 -24% 230 24% State Water Import Costs 333 350 -5% 110 50% 223 **Total Operating Expenses** 2,576 2,710 1,559 -134 -5% 1,017 65%

SUPPLEMENTAL WA	ATER PURC	HASE FUI	ND
STATU	IS UPDATE		
	REVENUE	EXPENSE	BALANCE
BEGINNING BALANCE (FCGMA-JUNE)			\$1,200K
INFLOWS			
FCGMA GRANT (JULY)	\$1,800		
SURCHARGE REVENUE (PIPELINE)	\$319		
OUTFLOWS			
SANTA CLARITA EXCHANGE		\$181	
VENTURA TRANSFER		\$1,548	
NET AVAILABLE PROJECTED SURCHARGE	\$205		\$1,590
6/30 BALANCE			\$1,799
	0 (





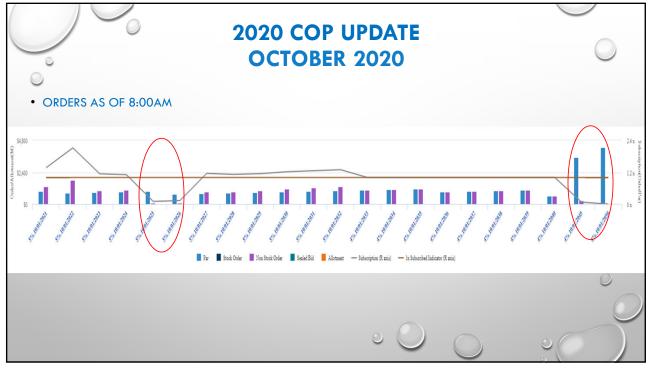




FINANCE DIVISION RECAP, CONTINUED OCTOBER 2020 COMPLETED FY 19-20 AUDIT FIELDWORK. FINANCE STAFF COMPLETED FY 19-20 PURCHASE ORDER AND CIP BUDGET ROLLOVERS. MET WITH DEPARTMENT MANAGERS TO REVIEW THEIR CURRENT YTD SPEND AND CREATE AN UPDATED PROJECTION OF TOTAL FY 20-21 SPEND ATTENDED A KICKOFF MEETING FOR THE INTEGRATED REGIONAL WATER MANAGEMENT PLAN REGARDING THE FIRST GRANT INVOICE CONTROLLER LEAVE OF ABSENCE EFFECTIVE OCTOBER 19, 2020 WITH ANTICIPATED RETURN DATE IN MARCH 2021 RECRUITED TEMPORARY ACCOUNTANT COMPLETED PRICING/SALE OF 2020 COP ISSUE WITH ANTICIPATED CLOSE DATE OF NOVEMBER 10

2020 COP UPDATE OCTOBER 2020 PRICING/SALE ON OCTOBER 27 **Results of Repricing** Release Scale Repricing Scale AGGRESSIVE PRICING—UNDERWRITER WAS True Interest Cost (TIC) 2.57% 2.61% 0.04% CONFIDENT OF DEMAND Par Amount 26,545,000 26,665,000 120,000 **Total Interest** 16,622,028 16,698,799 76,770 • INITIAL RESISTANCE, SOME ISSUES Total Debt Service 43,167,028 43,363,799 196,770 UNDERSUBSCRIBED—RELATIVELY SMALL ISSUE IN **Gross Savings** 4,381,831 4,345,506 (36,325)**CROWDED MARKET Net PV Savings** 3,081,608 3,030,320 (51,288) NEGOTIATIONS WITH VANGUARD REACHED 23.93% 23.53% (0) Percentage savings of refunded bonds SALE OF LARGE TERM BONDS VANGUARD REPUTATION FOR CREDIT **SENSITIVITY** UNDERWRITER PURCHASED REMAINING ISSUE AT RELEASE PRICE

	Sale Date		10/27/202	0	Manakila	S&P	Fitch	Sale Date		10/15/20				Moody's	S&P	Fitch	
	Par Amount		26.575	.0	Moody's NR	AA-	NR NR	Par Amount		32.845				NR	AA+	AA+	
	lssuer			t C	vation Distr		INK	Issuer			t Mates Die	trict Financi	na Authorite		AAT	AAT	
	Series		2020 Reve		vation Distr	ICL		Series			onds, Series		ng Authority				
-	Call Date		10/1/30					Call Date		2/1/29	@100	2020A			Compa		
0	Sale Type		Neg./JP M	_				Sale Type			an Stanley	(1)			Utd.		
-	sale Type		IVEG./JF IVI	Oigaii		Spread	Spread	sale Type		iveg./ivioig	all Stalliey	(Alone)	Spread	Spread	Spread	Spread	
O .	Maturity	Prin.	Coupon	Yield	YTM	Yield	YTM	Maturity	Prin.	Coupon	Yield	YTM	Yield	YTM	Yield	YTM	
_	2021	960	5.000%	0.29%	0.29%	0.12%	0.12%	2021	925	4.000%	0.14%	0.14%	(0.01%)	(0.01%)	0.13%	0.13%	
	2022	865	5.000%	0.33%	0.33%	0.15%	0.15%	2022	545	4.000%	0.16%	0.16%	0.01%	0.01%	0.14%	0.14%	
	2023	905	5.000%	0.36%	0.36%	0.17%	0.17%	2023	565	4.000%	0.19%	0.19%	0.03%	0.03%	0.14%	0.14%	
	2024	955	5.000%	0.40%	0.40%	0.18%	0.18%	2024	590	4.000%	0.24%	0.24%	0.05%	0.05%	0.13%	0.13%	
	2025	1,000	5.000%	0.48%	0.48%	0.20%	0.20%	2025	610	4.000%	0.32%	0.32%	0.07%	0.07%	0.13%	0.13%	
-	2026	770	5.000%	0.65%	0.65%	0.22%	0.22%	2026	640	5.000%	0.46%	0.46%	0.09%	0.09%	0.13%	0.13%	
	2027	805	5.000%	0.82%	0.82%	0.24%	0.24%	2027	670	5.000%	0.60%	0.60%	0.10%	0.10%	0.14%	0.14%	
	2028	840	5.000%	0.97%	0.97%	0.25%	0.25%	2028	700	5.000%	0.76%	0.76%	0.12%	0.12%	0.13%	0.13%	
	2029	870	5.000%	1.12%	1.12%	0.26%	0.26%	2029	735	5.000%	0.93%	0.93%	0.14%	0.14%	0.12%	0.12%	
	2030	920	5.000%	1.23%	1.23%	0.27%	0.27%	2030	785	5.000%	1.07%	1.42%	0.16%	0.51%	0.11%	(0.24%)	
	2031	965	5.000%	1.35%	1.61%	0.30%	0.56%	2031	820	4.000%	1.23%	1.69%	0.23%	0.69%	0.07%	(0.12%)	
	2032	1,010	5.000%	1.46%	1.93%	0.33%	0.80%	2032	850	4.000%	1.34%	1.94%	0.26%	0.86%	0.07%	(0.06%)	
	2033	1,065	4.000%	1.71%	2.15%	0.50%	0.94%	2033	885	4.000%	1.44%	2.15%	0.28%	0.99%	0.22%	(0.05%)	
	2034	1,110	4.000%	1.81%	2.33%	0.55%	1.07%	2034	925	4.000%	1.53%	2.32%	0.29%	1.08%	0.26%	(0.01%)	
	2035	1,160	4.000%	1.88%	2.46%	0.57%	1.15%	2035	960	4.000%	1.60%	2.45%	0.31%	1.16%	0.26%	(0.01%)	
	2036	945	4.000%	1.93%	2.57%	0.57%	1.21%	2036	995	4.000%	1.68%	2.58%	0.34%	1.24%	0.23%	(0.03%)	
	2037	985	4.000%	1.97%	2.66%	0.57%	1.26%	2037	1,035	4.000%	1.74%	2.68%	0.36%	1.30%	0.21%	(0.04%)	
	2038	1,025	4.000%	2.01%	2.74%	0.57%	1.30%	2038	1,080	3.000%	2.01%	2.46%	0.59%	1.04%	(0.02%)	0.25%	
	2039	1,065	4.000%	2.05%	2.81%	0.57%	1.33%	2039	1,110	3.000%	2.07%	2.52%	0.61%	1.06%	(0.04%)	0.27%	
	2040	640	4.000%	2.09%	2.87%	0.57%	1.35%	2040	1,145	3.000%	2.13%	2.57%	0.63%	1.07%	(0.06%)	0.29%	
	2041				0.00%			2041				0.00%					
	2042				0.00%			2042				0.00%					
	2043		1		0.00%			2043				0.00%				1	
	2044				0.00%			2044				0.00%					
_	2045	3,515	4.000%	2.31%	3.14%	0.62%	1.45%	2045	6,175	2.375%	2.48%	2.48%	0.81%	0.81%	(0.19%)	0.64%	
	2046			\	0.00%			2046				0.00%					
	2047			\ /	0.00%			2047				0.00%			\ /		
	2048			\ /	0.00%			2048				0.00%			\ /		
	2049			\ /	0.00%			2049				0.00%			\ /		
	2050	4,200	4.000%	2.39%	3.26%	0.65%	1.52%	2050	10,100	2.500%	2.58%	2.58%	0.86%	0.86%	(0.21%)	0.66%	



Sale Date 10/27/2020 Moody's S&P Fitch NR AA- AA-																	
Par Amount 1,25,75		Sale Date		10/27/202	10	Moody's	5&p	Fitch	Sale Date		10/15/20				Moody's	5&p	Fitch
Sissuer South Coast Water District Financing Authority South Water District Financing Authority South Coast Water District Financing Authority South Water District Financing Autho					.0												
Series Call Date 10/1/30 @100 Print Coupon Vield VTM Vie				,	iter Consen						,	t Water Dis	trict Financi	ng Authority		,,,,	,,,,,
Call Date 10/1/30 @100 Neg //P Morgan Spread Spread Neg //P Morgan Spread Neg //P Morgan Spread Spread Spread Neg //P Morgan Spread Sprea						addin bisar								ing reactionity			
Sale Type	0.															Compa	re to:
Maturity Prin. Coupon Vield VTM Vield VTM Vield VTM VTM Vield VTM	0				_							_	(Alone)				
Maturity Prin. Coupon Vield YTM Vield YTM Maturity Prin. Coupon Vield YTM Yield Yim	0				7\		Spread	Spread						Spread	Spread	Spread	Spread
2022 865 5.000% 0.33% 0.33% 0.15% 0.15% 2022 545 4.000% 0.16% 0.16% 0.01% 0.01% 0.14% 0.14% 2023 905 5.000% 0.36% 0.36% 0.17% 0.17% 2023 565 4.000% 0.19% 0.19% 0.03% 0.03% 0.13% 0.13% 2025 1,000 5.000% 0.48% 0.40% 0.40% 0.40% 0.40% 0.20% 2025 610 4.000% 0.24% 0.24% 0.05% 0.05% 0.13% 0.13% 0.13% 2025 770 5.000% 0.48% 0.48% 0.20% 0.20% 2025 610 4.000% 0.24% 0.23% 0.07% 0.07% 0.13% 0.13% 2027 805 5.000% 0.85% 0.82% 0.22% 0.22% 2026 640 5.000% 0.46% 0.46% 0.09% 0.09% 0.13% 0.13% 2027 805 5.000% 0.82% 0.82% 0.22% 0.22% 2026 640 5.000% 0.66% 0.66% 0.00% 0.10% 0.10% 0.14% 0.14% 2028 840 5.000% 0.97% 0.97% 0.25% 0.25% 2028 700 5.000% 0.66% 0.66% 0.10% 0.10% 0.13% 0.13% 2029 870 5.000% 1.12% 1.12% 0.25% 0.26% 2029 700 5.000% 0.93% 0.14% 0.14% 0.14% 0.14% 2030 920 5.000% 1.23% 2.3% 0.27% 0.27% 2030 785 5.000% 1.03% 0.13% 0.13% 2032 1.00 5.000% 1.46% 0.93% 0.13% 0.33% 0.80% 2032 1.00 5.000% 1.25% 1.25% 0.25% 2038 700 5.000% 0.86% 0.66% 0.10% 0.16% 0.15% 0.11% 0.12% 2031 965 5.000% 1.25% 1.23% 0.27% 0.27% 2030 785 5.000% 1.07% 1.42% 0.16% 0.15% 0.11% 0.24% 2032 1.00 5.000% 1.46% 1.93% 0.33% 0.80% 2032 820 4.000% 1.23% 1.69% 0.23% 0.69% 0.07% (0.06%) 2034 1.110 4.000% 1.86% 1.86% 0.35% 0.80% 2033 885 4.000% 1.44% 2.15% 0.28% 0.09% 0.07% (0.06%) 2034 1.110 4.000% 1.88% 1.38% 0.65% 1.12% 2034 925 4.000% 1.44% 1.24% 0.12% 0.05% 2034 1.10 0.000% 1.88% 1.28% 0.65% 1.12% 2034 925 4.000% 1.86% 2.55% 0.34% 1.24% 0.31% 0.05% 2034 1.10 0.000% 1.86% 0.55% 1.35% 0.65% 1.35% 2034 1.000% 1.46% 0.34% 0.05% 0.05% 2034 1.000% 1.86% 0.000% 0.00% 0		Maturity	Prin.	Coupon	/Yield	YTM	Yield	YTM	Maturity	Prin.	Coupon	Yield	YTM	Yield	YTM	Yield	YTM
2023 905 5.000% 0.36% 0.36% 0.17% 0.17% 2023 565 4.000% 0.19% 0.19% 0.03% 0.03% 0.14% 0.14% 0.14% 0.14% 0.12% 2024 590 4.000% 0.24% 0.24% 0.24% 0.05% 0.05% 0.13% 0.		2021	960	5.000%	0.29%	0.29%	0.12%	0.12%	2021	925	4.000%	0.14%	0.14%	(0.01%)	(0.01%)	0.13%	0.13%
2024 955 5,000% 0,40% 0,40% 0,48% 0,18% 0,18% 2024 590 4,000% 0,24% 0,24% 0,05% 0,05% 0,13% 0,13% 2025 1,000 5,000% 0,48% 0,48% 0,20% 0,20% 0,20% 2025 610 4,000% 0,32% 0,32% 0,32% 0,07% 0,13% 0,13% 2027 805 5,000% 0,82% 0,82% 0,24% 0,24% 0,22% 2025 640 5,000% 0,46% 0,60% 0,60% 0,10% 0,13% 0,13% 2028 840 5,000% 0,97% 0,97% 0,25% 0,25% 0,25% 0,22% 2028 700 5,000% 0,60% 0,60% 0,60% 0,10% 0,10% 0,14% 0,14% 0,14% 0,12% 0,23% 0,23% 0,25% 0,25% 0,26% 0,26% 0,26% 2029 735 5,000% 0,93% 0,14% 0,14% 0,12% 0,12% 0,12% 0,23% 0,20		2022	865	5.000%	0.33%	0.33%	0.15%	0.15%	2022	545	4.000%	0.16%	0.16%	0.01%	0.01%	0.14%	0.14%
2025 1,000 5,000% 0,48% 0,48% 0,20% 0,22% 0,22% 0,22% 0,22% 0,22% 0,22% 0,00% 0,46% 0,46% 0,46% 0,46% 0,09% 0,13% 0,13% 0,13% 0,13% 0,20% 0,82% 0,82% 0,22		2023	905	5.000%	0.36%	0.36%	0.17%	0.17%	2023	565	4.000%	0.19%	0.19%	0.03%	0.03%	0.14%	0.14%
2026		2024	955	5.000%	0.40%	0.40%	0.18%	0.18%	2024	590	4.000%	0.24%	0.24%	0.05%	0.05%	0.13%	0.13%
2027 805 5.000% 0.82% 0.82% 0.24% 0.24% 0.24% 2027 670 5.000% 0.60% 0.60% 0.10% 0.10% 0.14% 0.14% 0.14% 2028 840 5.000% 0.97% 0.25% 0.25% 0.26% 2029 735 5.000% 0.95% 0.95% 0.12% 0.13% 0.13% 0.26% 2029 735 5.000% 0.93% 0.93% 0.93% 0.93% 0.14% 0.12%		2025	1,000	5.000%	0.48%	0.48%	0.20%	0.20%	2025	610	4.000%	0.32%	0.32%	0.07%	0.07%	0.13%	0.13%
2028		2026	770	5.000%	0.65%	0.65%	0.22%	0.22%	2026	640	5.000%	0.46%	0.46%	0.09%	0.09%	0.13%	0.13%
2029 870 5.0005 1.12% 1.12% 0.26% 0.26% 0.26% 2029 755 5.000% 0.93% 0.93% 0.14% 0.14% 0.12% 0.12% 0.23% 0.23% 0.23% 0.25%		2027	805	5.000%	0.82%	0.82%	0.24%	0.24%	2027	670	5.000%	0.60%	0.60%	0.10%	0.10%	0.14%	0.14%
2030 920 5.000\$ 1.23% 2.3% 0.27% 0.27% 2030 785 5.000% 1.07% 1.42% 0.16% 0.51% 0.11% (0.24%)		2028	840	5.000%	0.97%	0.97%	0.25%	0.25%	2028	700	5.000%	0.76%	0.76%	0.12%	0.12%	0.13%	0.13%
2031 965 5.000 1.35% 1.61% 0.30% 0.56% 2031 820 4.000% 1.23% 1.69% 0.23% 0.69% 0.07% (0.12%) 2032 1,010 5.000% 1.46% 1.93% 0.80% 2032 850 4.000% 1.34% 1.94% 0.26% 0.86% 0.07% (0.12%) 2033 1,065 4.000% 1.83% 1.65% 0.98% 2033 885 4.000% 1.44% 2.15% 0.23% 0.29% 0.27% (0.01%) 2034 1,110 4.000% 1.88% 1.38% 0.62% 1.12% 2034 925 4.000% 1.53% 2.32% 0.29% 1.08% 0.33% 0.04% 2035 1,160 4.000% 1.96% 2.52% 0.65% 1.21% 2035 960 4.000% 1.60% 2.45% 0.31% 1.16% 0.34% 0.05% 2036 945 4.000% 2.01% 2.63% 0.65% 1.21% 2036 995 4.000% 1.60% 2.45% 0.31% 1.16% 0.34% 0.05% 2038 1.025 4.000\$ 2.05% 1.71% 0.65% 1.31% 2037 1.035 4.000% 1.68% 2.55% 0.34% 1.24% 0.31% 0.03% 2038 1.025 4.000\$ 2.05% 2.79% 0.65% 1.31% 2037 1.035 4.000% 2.11% 2.68% 0.36% 1.30% 0.29% 0.01% 2038 1.025 4.000\$ 2.13% 2.86% 0.65% 1.38% 2039 1.065 4.000\$ 2.13% 2.86% 0.65% 1.38% 2039 1.065 4.000\$ 2.13% 2.86% 0.65% 1.38% 2039 1.110 3.000% 2.07% 2.52% 0.61% 1.06% 0.04% 0.32% 2044 0.00% 2.04% 0.00% 2.04% 0.05% 2043 0.00% 2.04% 0.06% 0.05% 2044 0.00% 2.04% 0.06% 0.05% 2044 0.00% 2.04% 0.05% 0.05% 2044 0.00% 2.04% 0.00% 2.04% 0.00% 2.044 0.00% 2.04		2029	870	5.000%	1.12%	1.12%	0.26%	0.26%	2029	735	5.000%	0.93%	0.93%	0.14%	0.14%	0.12%	0.12%
2032 1,010 5,000\$ 1,46% 1,93% 0,33% 0,80% 2032 850 4,000% 1,34% 1,94% 0,26% 0,86% 0,07% (0,06%) 2033 1,065 4,000\$ 1,76% 1,19% 0,55% 0,99% 2033 885 4,000% 1,44% 2,15% 0,28% 0,99% 0,27% (0,01%) 2034 1,110 4,000\$ 1,88% 2,38% 0,65% 1,12% 2034 925 4,000% 1,53% 2,32% 0,29% 1,08% 0,33% 0,04% 2035 1,160 4,000\$ 1,96% 2,52% 0,65% 1,21% 2035 960 4,000% 1,60% 2,45% 0,31% 1,16% 0,34% 0,05% 2036 945 4,000\$ 2,01% 2,65% 0,65% 1,27% 2036 995 4,000% 1,60% 2,45% 0,31% 1,16% 0,34% 0,05% 2037 985 4,000\$ 2,01% 2,65% 1,13% 2037 1,035 4,000% 1,74% 2,68% 0,36% 1,30% 0,29% 0,01% 2038 1,025 4,000\$ 2,71% 0,65% 1,31% 2037 1,035 4,000% 1,74% 2,68% 0,36% 1,30% 0,29% 0,01% 2038 1,025 4,000\$ 2,09% 2,79% 0,65% 1,35% 2038 1,080 3,000% 2,01% 2,46% 0,59% 1,04% 0,06% 0,30% 2039 1,065 4,000\$ 2,13% 2,86% 0,65% 1,38% 2039 1,110 3,000% 2,07% 2,52% 0,61% 1,06% 0,04% 0,32% 2040 640 4,000\$ 2,17% 2,92% 0,65% 1,40% 2040 1,145 3,000% 2,13% 2,57% 0,65% 1,06% 0,33% 2041 2,000% 2,000		2030	920	5.000%	1.23%	1.23%	0.27%	0.27%	2030	785	5.000%	1.07%	1.42%	0.16%	0.51%	0.11%	(0.24%)
2033 1,065 4,000s 1,76% 2,19% 0,55% 0,98% 2033 885 4,000% 1,44% 2,15% 0,28% 0,99% 0,27% (0,01%) 2034 1,110 4,000s 1,85% 2,38% 0,62% 1,12% 2034 9,25 4,000% 1,59% 2,32% 0,29% 1,06% 0,34% 0,05% 2035 1,160 4,000s 1,96% 2,52% 0,65% 1,21% 2035 960 4,000% 1,60% 2,45% 0,31% 1,16% 0,34% 0,34% 0,05% 2037 985 4,000s 2,03% 2,05% 1,27% 2036 995 4,000% 1,68% 2,58% 0,34% 1,24% 0,31% 0,05% 2037 985 4,000s 2,05% 2,71% 0,65% 1,31% 2036 995 4,000% 1,74% 2,68% 0,36% 1,30% 0,29% 0,01% 2038 1,025 4,000s 2,05% 2,71% 0,65% 1,35% 2038 1,080 3,000% 2,01% 2,46% 0,59% 1,04% 0,06% 0,30% 2039 1,055 4,000s 2,13% 2,86% 0,65% 1,35% 2039 1,110 3,000% 2,07% 2,52% 0,61% 1,06% 0,00% 2040 2041 0,00% 2,13% 2,57% 0,65% 1,36% 2039 1,110 3,000% 2,07% 2,52% 0,61% 1,06% 0,04% 0,32% 2041 0,00% 2,		2031	965	5.000%	1.35%	1.61%	0.30%	0.56%	2031	820	4.000%	1.23%	1.69%	0.23%	0.69%	0.07%	(0.12%)
2034		2032	1,010	5.000%	1.46%	1.93%	0.33%	0.80%	2032	850	4.000%	1.34%	1.94%	0.26%	0.86%	0.07%	(0.06%)
2035 1,160 4,000% 1,96% 2,52% 0,65% 1,21% 2035 960 4,000% 1,60% 2,45% 0,31% 1,16% 0,34% 0,05%			,										2.15%	0.28%	I	0.27%	
2036			1,110	4.000%			0.62%		2034	925		1.53%	2.32%	0.29%	1.08%	0.33%	0.04%
2037 985 4.000% 2.05% 2.71% 0.65% 1.31% 2037 1.035 4.000% 1.74% 2.68% 0.36% 1.30% 0.29% 0.01%																	
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2041			,														
2042			640	4.000%	2.17%		0.65%	1.40%		1,145	3.000%	2.13%		0.63%	1.07%	0.02%	0.33%
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2044 0.00% 2.044 0.00% 2.045 0.00% 2.045 0.175 2.375% 2.48% 2.48% 0.81% 0.81% 0.06% 0.70% 0.00																	
2045 3,515 4,000% 2,44% 3,20% 0.75% 1.51% 2045 6,175 2.375% 2,48% 0.81% 0.81% (0.06%) 0.70% (2046 0.00% 0.				1		1											
2046 0.00% 2046 0.00% 2047 0.00% 2047 0.00% 2048 0.00% 2048 0.00% 2049 0.00% 2049 0.00%			0.545	4.0000/	0.440/		0.750/	4 540/		6.475	0.0750/	0.400/		0.040/	0.040/	(0.000)	0.700/
2047 0.00% 2047 0.00% 2048 0.00% 2048 0.00% 2049 0.00% 2049 0.00%			3,515	4.000%	2.44%		0.75%	1.51%		6,1/5	2.3/5%	2.48%		0.81%	0.81%	(0.06%)	0.70%
2048 0.00% 2048 0.00% 2049 0.00% 2049 0.00%				1		1											
2049 0.00% 2049 0.00%					1	1											
					1	1											
2030 7,200 7.000/0 (2.75/0 0.75/0 1.30/0 2.30/0 2.30/0 2.30/0 2.30/0 0.00/0 (0.11/0) 0.70/0			4 200	4.000%	2 /1096		0.75%	1 56%		10 100	2 500%	2 5894		0.86%	0.86%	(0.11%)	0.70%
		2050	4,200	4.000%	2.4970	J.JU76	U./376	130%	2050	10,100	2.30076	2.3070	2.3070	0.80%	0.80%	(0.1176)	0.70%
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