

# City of Bay City, Texas

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## Refunding Presentation

### General Obligation Refunding Bonds, Series 2021



US Capital Advisors

Estimated Debt Service Savings

October 19, 2020

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General Obligation Refunding Bonds, Series 2021

Assumes S&P 'A+' rated, insured, non-BQ  
Scales 10-14-20 + 10 bps

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## SAVINGS

City of Bay City, Texas  
General Obligation Refunding Bonds, Series 2021Assumes S&P 'A+' rated, insured, non-BQ  
Scales 10-14-20 + 10 bps

Date	Prior Debt Service	Refunding Debt Service	Savings	Present Value to 01/07/2021 @ 0.9955122%
09/30/2021	1,055,510.00	1,015,300.00	40,210.00	40,339.29
09/30/2022	1,059,260.00	1,003,200.00	56,060.00	55,102.56
09/30/2023	1,057,010.00	1,002,200.00	54,810.00	53,349.63
09/30/2024	1,058,960.00	1,005,000.00	53,960.00	52,012.69
09/30/2025	1,054,910.00	1,001,400.00	53,510.00	51,079.85
09/30/2026	1,060,060.00	1,006,600.00	53,460.00	50,539.49
09/30/2027	1,058,110.00	1,005,200.00	52,910.00	49,535.61
09/30/2028	254,160.00	202,400.00	51,760.00	47,989.15
09/30/2029	255,160.00	200,200.00	54,960.00	50,447.44
09/30/2030	255,290.00	202,800.00	52,490.00	47,699.08
	8,168,430.00	7,644,300.00	524,130.00	498,094.80

Savings Summary

Dated Date	01/01/2021
Delivery Date	01/07/2021
PV of savings from cash flow	498,094.80
Plus: Refunding funds on hand	5,039.75
Net PV Savings	503,134.55

## SUMMARY OF REFUNDING RESULTS

City of Bay City, Texas  
General Obligation Refunding Bonds, Series 2021

Assumes S&P 'A+' rated, insured, non-BQ  
Scales 10-14-20 + 10 bps

Dated Date	01/01/2021
Delivery Date	01/07/2021
Arbitrage yield	0.995512%
Escrow yield	0.000000%
Value of Negative Arbitrage	
Bond Par Amount	6,550,000.00
True Interest Cost	1.196376%
Net Interest Cost	1.196662%
Average Coupon	4.000000%
Average Life	4.177
Par amount of refunded bonds	7,045,000.00
Average coupon of refunded bonds	3.462014%
Average life of refunded bonds	4.268
PV of prior debt to 01/07/2021 @ 0.995512%	7,845,999.67
Net PV Savings	503,134.55
Percentage savings of refunded bonds	7.141725%
Percentage savings of refunding bonds	7.681444%

## SUMMARY OF BONDS REFUNDED

City of Bay City, Texas  
General Obligation Refunding Bonds, Series 2021Assumes S&P 'A+' rated, insured, non-BQ  
Scales 10-14-20 + 10 bps

Bond	Maturity Date	Interest Rate	Par Amount	Call Date	Call Price
Tax & Rev Certificates of Obligation, Series 2010, CO2010:					
TERM2022	09/01/2022	4.000%	340,000.00	01/07/2021	100.000
TERM2024	09/01/2024	4.000%	370,000.00	01/07/2021	100.000
TERM2026	09/01/2026	4.000%	400,000.00	01/07/2021	100.000
TERM2028	09/01/2028	4.000%	440,000.00	01/07/2021	100.000
TERM2030	09/01/2030	4.200%	480,000.00	01/07/2021	100.000
			2,030,000.00		
Tax & Rev Certificates of Obligation, Series 2012, CO2012:					
CO2012	09/01/2021	3.000%	655,000.00	01/07/2021	100.000
	09/01/2022	3.000%	675,000.00	01/07/2021	100.000
	09/01/2023	3.000%	695,000.00	01/07/2021	100.000
	09/01/2024	3.000%	715,000.00	01/07/2021	100.000
	09/01/2025	3.000%	735,000.00	01/07/2021	100.000
	09/01/2026	3.125%	760,000.00	01/07/2021	100.000
	09/01/2027	3.250%	780,000.00	01/07/2021	100.000
			5,015,000.00		
			7,045,000.00		

BOND PRICING

City of Bay City, Texas  
 General Obligation Refunding Bonds, Series 2021

Assumes S&P 'A+' rated, insured, non-BQ  
 Scales 10-14-20 + 10 bps

Bond Component	Maturity Date	# Bonds	Amount	Rate	Yield	Price	Yield to Maturity	
GO Refunding Bonds, Series 2021:								
	09/01/2021	169	845,000	4.000%	0.490%	102.274		
	09/01/2022	155	775,000	4.000%	0.500%	105.743		
	09/01/2023	161	805,000	4.000%	0.560%	109.035		
	09/01/2024	168	840,000	4.000%	0.650%	112.063		
	09/01/2025	174	870,000	4.000%	0.740%	114.873		
	09/01/2026	182	910,000	4.000%	0.890%	117.099		
	09/01/2027	189	945,000	4.000%	1.030%	119.040		
	09/01/2028	36	180,000	4.000%	1.160%	120.731		
	09/01/2029	37	185,000	4.000%	1.350%	121.564		
	09/01/2030	39	195,000	4.000%	1.500%	120.208 C	1.718%	
		1,310	6,550,000					

BOND PRICING

City of Bay City, Texas  
General Obligation Refunding Bonds, Series 2021

Assumes S&P 'A+' rated, insured, non-BQ  
Scales 10-14-20 + 10 bps

Premium (-Discount)
19,215.30
44,508.25
72,731.75
101,329.20
129,395.10
155,600.90
179,928.00
37,315.80
39,893.40
39,405.60
<hr/>
819,323.30
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## BOND PRICING

City of Bay City, Texas  
General Obligation Refunding Bonds, Series 2021Assumes S&P 'A+' rated, insured, non-BQ  
Scales 10-14-20 + 10 bps

Dated Date	01/01/2021	
Delivery Date	01/07/2021	
First Coupon	03/01/2021	
Par Amount	6,550,000.00	
Premium	819,323.30	
Production	7,369,323.30	112.508753%
Underwriter's Discount	-52,400.00	-0.800000%
Other Amounts	-26,755.05	-0.408474%
Purchase Price	7,290,168.25	111.300279%
Accrued Interest		
Net Proceeds	7,290,168.25	



## BOND SUMMARY STATISTICS

City of Bay City, Texas  
General Obligation Refunding Bonds, Series 2021Assumes S&P 'A+' rated, insured, non-BQ  
Scales 10-14-20 + 10 bps

Dated Date	01/01/2021
Delivery Date	01/07/2021
Last Maturity	09/01/2030
Arbitrage Yield	0.995512%
True Interest Cost (TIC)	1.196376%
Net Interest Cost (NIC)	1.196662%
All-In TIC	1.757270%
Average Coupon	4.000000%
Average Life (years)	4.177
Weighted Average Maturity (years)	4.301
Duration of Issue (years)	3.943
Par Amount	6,550,000.00
Bond Proceeds	7,369,323.30
Total Interest	1,094,300.00
Net Interest	327,376.70
Bond Years from Dated Date	27,357,500.00
Bond Years from Delivery Date	27,357,500.00
Total Debt Service	7,644,300.00
Maximum Annual Debt Service	1,015,300.00
Average Annual Debt Service	792,155.44
Underwriter's Fees (per \$1000)	
Average Takedown	
Other Fee	8.000000
Total Underwriter's Discount	8.000000
Bid Price	111.300279

Bond Component	Par Value	Price	Average Coupon	Average Life	PV of 1 bp change
GO Refunding Bonds, Series 2021	6,550,000.00	112.509	4.000%	4.177	2,878.55
	6,550,000.00			4.177	2,878.55

## BOND SUMMARY STATISTICS

City of Bay City, Texas  
General Obligation Refunding Bonds, Series 2021Assumes S&P 'A+' rated, insured, non-BQ  
Scales 10-14-20 + 10 bps

	TIC	All-In TIC	Arbitrage Yield
Par Value	6,550,000.00	6,550,000.00	6,550,000.00
+ Accrued Interest			
+ Premium (Discount)	819,323.30	819,323.30	819,323.30
- Underwriter's Discount	-52,400.00	-52,400.00	
- Cost of Issuance Expense		-157,700.00	
- Other Amounts	-26,755.05	-26,755.05	-26,755.05
Target Value	7,290,168.25	7,132,468.25	7,342,568.25
Target Date	01/07/2021	01/07/2021	01/07/2021
Yield	1.196376%	1.757270%	0.995512%

SOURCES AND USES OF FUNDS

City of Bay City, Texas  
 General Obligation Refunding Bonds, Series 2021

Assumes S&P 'A+' rated, insured, non-BQ  
 Scales 10-14-20 + 10 bps

Dated Date 01/01/2021  
 Delivery Date 01/07/2021

Sources:

Bond Proceeds:	
Par Amount	6,550,000.00
Premium	819,323.30
	7,369,323.30
	7,369,323.30

Uses:

Refunding Escrow Deposits:	
Cash Deposit	7,127,428.50
Delivery Date Expenses:	
Cost of Issuance	157,700.00
Underwriter's Discount	52,400.00
Bond Insurance	26,755.05
	236,855.05
Other Uses of Funds:	
Additional Proceeds	5,039.75
	7,369,323.30
	7,369,323.30

## BOND DEBT SERVICE

City of Bay City, Texas  
General Obligation Refunding Bonds, Series 2021

Assumes S&P 'A+' rated, insured, non-BQ  
Scales 10-14-20 + 10 bps

Dated Date 01/01/2021  
Delivery Date 01/07/2021

Period Ending	Principal	Coupon	Interest	Debt Service
09/30/2021	845,000	4.000%	170,300	1,015,300
09/30/2022	775,000	4.000%	228,200	1,003,200
09/30/2023	805,000	4.000%	197,200	1,002,200
09/30/2024	840,000	4.000%	165,000	1,005,000
09/30/2025	870,000	4.000%	131,400	1,001,400
09/30/2026	910,000	4.000%	96,600	1,006,600
09/30/2027	945,000	4.000%	60,200	1,005,200
09/30/2028	180,000	4.000%	22,400	202,400
09/30/2029	185,000	4.000%	15,200	200,200
09/30/2030	195,000	4.000%	7,800	202,800
	6,550,000		1,094,300	7,644,300

## BOND DEBT SERVICE

City of Bay City, Texas  
General Obligation Refunding Bonds, Series 2021Assumes S&P 'A+' rated, insured, non-BQ  
Scales 10-14-20 + 10 bpsDated Date 01/01/2021  
Delivery Date 01/07/2021

Period Ending	Principal	Coupon	Interest	Debt Service	Annual Debt Service
03/01/2021			39,300	39,300	
09/01/2021	845,000	4.000%	131,000	976,000	
09/30/2021					1,015,300
03/01/2022			114,100	114,100	
09/01/2022	775,000	4.000%	114,100	889,100	
09/30/2022					1,003,200
03/01/2023			98,600	98,600	
09/01/2023	805,000	4.000%	98,600	903,600	
09/30/2023					1,002,200
03/01/2024			82,500	82,500	
09/01/2024	840,000	4.000%	82,500	922,500	
09/30/2024					1,005,000
03/01/2025			65,700	65,700	
09/01/2025	870,000	4.000%	65,700	935,700	
09/30/2025					1,001,400
03/01/2026			48,300	48,300	
09/01/2026	910,000	4.000%	48,300	958,300	
09/30/2026					1,006,600
03/01/2027			30,100	30,100	
09/01/2027	945,000	4.000%	30,100	975,100	
09/30/2027					1,005,200
03/01/2028			11,200	11,200	
09/01/2028	180,000	4.000%	11,200	191,200	
09/30/2028					202,400
03/01/2029			7,600	7,600	
09/01/2029	185,000	4.000%	7,600	192,600	
09/30/2029					200,200
03/01/2030			3,900	3,900	
09/01/2030	195,000	4.000%	3,900	198,900	
09/30/2030					202,800
	6,550,000		1,094,300	7,644,300	7,644,300

## PRIOR BOND DEBT SERVICE

City of Bay City, Texas  
General Obligation Refunding Bonds, Series 2021Assumes S&P 'A+' rated, insured, non-BQ  
Scales 10-14-20 + 10 bpsDated Date 01/01/2021  
Delivery Date 01/07/2021

Period Ending	Principal	Coupon	Interest	Debt Service	Annual Debt Service	Present Value to 01/07/2021 @ 0.9955122%
03/01/2021			117,755	117,755		117,579.73
09/01/2021	820,000	** %	117,755	937,755		931,721.49
09/30/2021					1,055,510	
03/01/2022			104,630	104,630		103,441.92
09/01/2022	850,000	** %	104,630	954,630		939,115.64
09/30/2022					1,059,260	
03/01/2023			91,005	91,005		89,082.60
09/01/2023	875,000	** %	91,005	966,005		940,915.54
09/30/2023					1,057,010	
03/01/2024			76,980	76,980		74,609.27
09/01/2024	905,000	** %	76,980	981,980		947,024.42
09/30/2024					1,058,960	
03/01/2025			62,455	62,455		59,933.46
09/01/2025	930,000	** %	62,455	992,455		947,668.90
09/30/2025					1,054,910	
03/01/2026			47,530	47,530		45,160.35
09/01/2026	965,000	** %	47,530	1,012,530		957,284.39
09/30/2026					1,060,060	
03/01/2027			31,555	31,555		29,685.54
09/01/2027	995,000	** %	31,555	1,026,555		960,953.93
09/30/2027					1,058,110	
03/01/2028			14,580	14,580		13,580.68
09/01/2028	225,000	4.000%	14,580	239,580		222,053.78
09/30/2028					254,160	
03/01/2029			10,080	10,080		9,296.34
09/01/2029	235,000	4.200%	10,080	245,080		224,906.89
09/30/2029					255,160	
03/01/2030			5,145	5,145		4,698.12
09/01/2030	245,000	4.200%	5,145	250,145		227,286.68
09/30/2030					255,290	
	7,045,000		1,123,430	8,168,430	8,168,430	7,845,999.67

ESCROW STATISTICS

City of Bay City, Texas  
 General Obligation Refunding Bonds, Series 2021

Assumes S&P 'A+' rated, insured, non-BQ  
 Scales 10-14-20 + 10 bps

Total Escrow Cost	Modified Duration (years)	PV of 1 bp change	Yield to Receipt Date	Yield to Disbursement Date	Perfect Escrow Cost	Value of Negative Arbitrage
Global Proceeds Escrow: 7,127,428.50					7,127,428.50	
7,127,428.50		0.00			7,127,428.50	0.00

ESCROW STATISTICS

City of Bay City, Texas  
General Obligation Refunding Bonds, Series 2021

Assumes S&P 'A+' rated, insured, non-BQ  
Scales 10-14-20 + 10 bps

Cost of  
Dead Time

Global Proceeds Escrow:

0.00

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ESCROW STATISTICS

City of Bay City, Texas  
General Obligation Refunding Bonds, Series 2021

Assumes S&P 'A+' rated, insured, non-BQ  
Scales 10-14-20 + 10 bps

Delivery date	01/07/2021
Arbitrage yield	0.995512%

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