

May 3, 2016

Sale Day Report for

City of West Allis, Wisconsin

\$16,445,000 Taxable General Obligation Refunding Bonds, 2016B



Prepared by:

Michael C. Harrigan, CIPMA Senior Municipal Advisor/Board Chair

and

Dawn Gunderson-Schiel, CPFO/CIPMA Senior Municipal Advisor/Vice President

#### Sale Day Report – May 3, 2016

City of West Allis, Wisconsin

\$16,445,000 Taxable General Obligation Refunding Bonds, 2016B

Purpose:

For the public purpose of refunding the callable portion of Series 2009

and 2010A obligations of the City

Rating:

Moody's Investor's Service "Aa2"

Standard & Poor's Credit Markets "AA"

Number of Bids:

Low Bidder:

BOSC, Inc., A Subsidiary of BOK Financial Corporation

Milwaukee, Wisconsin

Comparison from Lowest to Highest Bid: Low Bid

High Bid

**Interest Difference** 

(TIC as bid)

2.0896%

2.2378%

\$150,522

Summary of Results:	Results of Sale
Principal Amount*:	\$16,445,000
Underwriter's Discount:	\$78,242
Reoffering Premium:	\$0
True Interest Cost:	2.0815%
Costs of Issuance:	\$92,244
Yield:	0.750% - 3.000%
Future Value Savings:	\$1,467,974
Present Value Savings:	\$1,310,074
Savings Percentage:	8.731%
Total P&I	\$18,474,428

Notes:

Issue was down sized by \$125,000

Closing Date:

May 25, 2016

City Council Action:

Resolution authorizing issuance, awarding the sale, prescribing the form and details and providing for the payment of \$16,445,000 Taxable General Obligation Refunding Bonds, 2016B.

Attachments:

- **Bid Tabulation**
- Sources and Uses of Funds
- Updated Debt Service Allocation Schedules
- Refunding Savings Analysis
- Tax Impact Schedule
- Rating Report
- BBI Graph



May 3, 2016



#### **BID TABULATION**

#### \$16,570,000\* Taxable General Obligation Refunding Bonds, 2016B

#### City of West Allis, Wisconsin

**SALE**: May 3, 2016

AWARD: BOSC, INC.

Rating: Moody's Investor's Service "Aa2"

Standard & Poor's Credit Markets "AA"

**BBI:** 3.32%

Non-Bank Qualified

	MATURITY		REOFFERING		NET INTEREST	TRUE INTEREST
NAME OF BIDDER	(April 1)	RATE	YIELD	PRICE	COST	RATE
BOSC, Inc., A Subsidiary of BOK				\$16,491,163.75	\$2,152,514.75	2.0896%
Financial Corporation,				, . , . , . ,		_,,,,,,
Milwaukee, Wisconsin						
Stifel Nicolaus & Co.	2017	0.750%	0.750%			
SunTrust Humphrey Robinson	2018	1.000%	1.000%			
Sun Pust Pumpiney Roomson	2019	1.150%	1.150%			
	2020	1.350%	1.350%			
	2021	1.650%	1.650%			
	2022	1.750%	1.750%			
	2023	2.000%	2.000%			
	2024	2.150%	2.150%			
	2025	2.300%	2.300%			
	2026	2.450%	2.450%			
	2027	2.600%	2.600%			
	2028	2.800%	2.800%			
	2029	3.000%	3.000%			
RAYMOND JAMES &				\$16,602,902.31	\$2,169,856.61	2.1030%
ASSOCIATES, INC.						
Memphis, Tennessee	2017	0.700%				
	2018	0.950%				
	2019	2.000%				
	2020	2.000%				
	2021	2.000%				
	2022	2.000%				
	2023	2.000%				
	2024	2.000%				
	2025	2.250%				
	2026	2.375%				
	2027	2.625%				
	2028	2.750%				
	2029	2.750%				
	2028 2029	2.750% 2.750%				

Subsequent to bid opening the issue size was decreased to \$16,445,000.

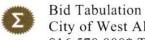
Adjusted Price - \$16,366,758.47

Adjusted Net Interest Cost - \$2,107,669.29

Adjusted TIC - 2.0815%



NAME OF BIDDER	MATURITY (April 1)	RATE	REOFFERING YIELD	PRICE	NET INTEREST COST	TRUE INTEREST RATE
PIPER JAFFRAY & CO.				\$17,140,456.05	\$2,222,083.68	2.1183%
Minneapolis, Minnesota	2017	2.000%		, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,	
	2018	2.000%				
	2019	2.000%				
	2020	3.000%				
	2021	3.000%				
	2022	3.000%				
	2023	3.000%				
	2024	2.200%				
	2025	2.375%				
	2026	2.500%				
	2027	2.625%				
	2028	2.750%				
	2029	2.875%				
EIETH THIRD CECUDITIES INC				\$16,576,794.16	\$2,193,956.84	2.1269%
FIFTH THIRD SECURITIES, INC.	2017	2.0000/		\$10,570,794.10	32,193,930.64	2.120970
Cincinnati, Ohio	2017 2018	3.000%				
		3.000%				
	2019	3.000%				
	2020	1.350%				
	2021	1.650%				
	2022	1.800%				
	2023 2024	2.000% 2.200%				
	2024	2.350%				
	2026	2.500%				
	2027	2.700%				
	2028	2.850%				
	2029	3.000%				
BAIRD				\$16,647,076.95	\$2,220,231.68	2.1473%
Milwaukee, Wisconsin	2017	2.000%				
	2018	2.000%				
	2019	2.000%				
	2020	2.000%				
	2021	2.000%				
	2022	2.000%				
	2023	2.050%				
	2024	2.250%				
	2025	2.400%				
	2026	2.550%				
	2027	2.700%				
	2028	2.850%				
	2029	3.000%				



NAME OF BIDDER	MATURITY (April 1)	RATE	REOFFERING YIELD	PRICE	NET INTEREST COST	TRUE INTEREST RATE
WELLS FARGO BANK, NATIONAL ASSOCIATION				\$16,452,069.49	\$2,303,036.51	2.2378%
Charlotte, North Carolina	2017	0.650%				
	2018	0.950%				
	2019	1.150%				
	2020	1.400%				
	2021	1.650%				
	2022	1.900%				
	2023	2.100%				
	2024	2.250%				
	2025	2.500%				
	2026	2.650%				
	2027	2.800%				
	2028	2.950%				
	2029	3.050%				

THE CENTER	T ALLIS
CITY AT	WES

# City of West Allis Sizing Worksheet - 2016 Issue



S. 1211	ILE WOLKSHILL	2010	2200					
	preliminary				Final Sale	preliminary	Final Sale	
	Tax-Exempt G.O. Bonds	Streets	Sanitary	Water	Tax-Exempt G.O. Bonds	Taxable G.O. Bonds	Taxable G.O. Bonds	
	Bank Qualified				Bank Qualified			
New Projects								
Streets	2,713,680	2,750,680			2,750,680			
Sanitary Sewer	2,500,000		2,500,000		2,500,000			
Water	1,000,000			1,000,000	1,000,000			
Defination						8		
herunding Advance Refund 2009 \$7 105 000 Taxable G.O. Bonds dated 3/27/09 (Years 2020-24)								
Est. Escrow Cost						5.717.777	5,720,944	
Less: Levied Funds available						(92,940)	(109,396)	
Advance Refund 2010 \$17,605,000 Taxable G.O. Bonds dated 3/29/10 (Years 2019-29)								
Est. Escrow Cost						10,819,533	10,827,926	
Less: Levied Funds available	0				0	(138,004)	(169,035)	
Total Amount Needed for Capital Projects & Refunding	6,213,680	2,750,680	2,500,000	1,000,000	6,250,680	16,306,366	16,270,439	
Issuance Expenses to be Paid by City excluding discount ( New Money)	(60,675)	(17,954)	(16,322)	(6,529)	(40,804)	8		
Bid Premium Deposit to DS/Transfer		78,143	57,021	22,726	157,890			
Estimated Issuance Expenses								
Financial Advisor (2nd issue discount on smaller issue)	14,000	6,160	5,600	2,240	14,000	21,500	21,500	
Bond Counsel	15,000	9,600	000'9	2,400	15,000	21,500	18,000	
Disclosure Counsel (If chosen)	000'9	099	009	240	1,500	12,000	12,000	
Reoffering Premium (Built into Rates)		(96,353)	(73,576)	(29,348)	(199,277)			
Underwriter's Discount	78,688	18,211	16,555	6,622	41,388	165,700	78,242	
Paying Agent (If terms)	675	198	180	72	449	675	449	
Advance Refunding Fee	0				0	2,000	2,000	
Escrow Agent	0				0	2,500	1,750	
CPA Verification	0				0	3,000	3,000	
OPM Bidding Agent Fee	0				0	006'9	006'9	
Rating Fee (Moody's and S & P)	25,000	4,336	3,942	1,577	6,855	25,000	26,645	
TOTAL TO BE FINANCED	6,292,368	2,750,680	2,500,000	1,000,000	6,250,680	16,567,141	16,440,924	
Estimated Interest Earnings <sup>1</sup>	(1,553)	(683)	(621)	(248)	(1,553)	0	0	
Rounding	4,186	3	621	248	873	2,859	4,076	
MET BOMD CITE	000 300 3	2 750 000	2 500 000	1 000 000	6 350 000	16 570 000	16 445 000	
NET BOND SIZE  Estimated interest earnings at .001.	000,282,0	2,750,000	2,500,000	1,000,000	000,062,0	10,010,010,010	10,443,000	





# Final Sale Results

City of West Allis

Sizing Worksheet - 2016 Issue

2016B ISSUE PLANNING - Taxable Refunding Bonds

CITY AT THE CENTER

\$5,675,000 \$410,000 \$4,975,000 \$1,570,000 \$3,815,000 Refund 2009 TID 5 Refund 2010 TID 5 (ref 2002) Refund 2010 TID 5 (ref 2005) Refund 2010 TID 6 Refund 2010 UFPL

Dated May 25, 2016

\$16,445,000

Refund 2010 TID 5 (ref 2002) \$1,958 \$5,558 \$5,470 \$4,701 \$3,105 \$1,114 Interest \$10,000 \$10,000 \$125,000 \$130,000 Principal 1-Apr Net Total Refund 2009 TID 5 Interest

Principal 1-Apr

\$135,000 \$135,000 \$135,000 \$710,000 \$895,000 \$1,180,000 \$1,220,000 \$1,226,000

2016 2017 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030

\$35,180 \$235,009 \$233,828 \$232,376 \$801,808 \$974,631 \$1,241,923 \$1,241,923 \$1,278,599 \$35,180 \$98,828 \$97,376 \$91,808 \$79,631 \$61,923 \$39,398 \$13,599

\$410,000 \$5,675,000 \$617,750 \$6,292,750

\$21,906

\$4,975,000 \$782,270 \$5,757,270 \$431,906

\$25,000 \$100 \$100 \$100 \$135,000 \$135,000 \$135,000 \$135,000 \$135,000 \$135,000 \$150,000 \$150,000 \$150,000 \$1,570,000

\$298,593 \$1,868,593 \$33,404 \$33,404 \$33,185 \$32,456 \$31,043 \$26,989 \$24,458 \$21,656 \$15,378 \$11,330 \$21,330 \$21,330 0.750% 1.000% 1.150% 1.350% 1.750% 2.000% 2.150% 2.450% 2.800% 3.000%

\$3,815,000 \$308,909 \$4,123,909 \$11,724 \$58,404 \$58,185 \$137,185 \$151,043 \$154,201 \$159,458 \$159,458 \$159,458 \$158,710 \$148,710 \$153,78 \$16,300 \$16,30

\$16,445,000 \$2,029,428 \$18,474,428 \$296,965 \$294,165 \$294,165 \$266,836 \$226,846 \$184,804 \$184,804 \$11,163 \$61,163 \$26,163 \$26,163 \$26,139 \$31,110 \$2,250 \$320,000 \$320,000 \$1,500,000 \$2,145,000 \$2,365,000 \$2,540,000 \$1,910,000 \$1,910,000 \$635,000 \$635,000 \$635,000 \$635,000 \$150,000 \$150,000

\$104,358 \$616,965 \$61,165 \$1,783,940 \$2,591,846 \$2,759,804 \$2,775,873 \$1,996,940 \$681,139 \$681,139 \$681,139 \$681,139 \$681,139 \$681,139

\$21,037 \$129,843 \$129,230 \$715,085 \$741,599 \$765,885 \$798,081 \$823,150

\$21,037 \$59,843 \$59,230 \$55,085 \$46,599 \$35,885 \$23,081 \$8,150

\$70,000 \$70,000 \$660,000 \$695,000 \$730,000 \$775,000 \$815,000

\$34,458 \$178,153 \$569,321 \$578,283 \$578,283 \$578,015 \$557,811 \$533,868 \$563,885 \$563,685 \$563

\$34,458 \$98,153 \$97,453 \$89,321 \$88,283 \$81,015 \$72,811 \$63,868 \$53,685 \$53,685 \$53,685 \$53,685 \$63,000 \$63,00

\$80,000 \$80,000 \$475,000 \$490,000 \$480,000 \$470,000 \$510,000 \$510,000 \$5470,000 \$450,000

\$1,958 \$15,558 \$15,470 \$129,701 \$133,105 \$133,105

DEBT

INTEREST

PRINCIPAL

Net Total

Interest

Principal 1-Apr

Net Total

Interest

Rate

Total

Interest

Principal 1-Apr

Net Total

**Refund 2010 TID 6** 

Refund 2010 TID 5 (ref 2005)

TOTAL

TOTAL

Refund 2010 UFPL

5/3/2016 File: prop 16 plan FINAL SALE/168 GO TaxALLOCATION

	Difference				٥	100,096	112,846	962'66	97,671	97,894	99,829	79,175	37,469	35.346	39,268	10,670	955,014			
	Total Savings Preliminary			71=	0	48,516	42,584	55,084	57,148	47,485	54,584	40,998	28,759	30.596	26,229	6,824	512,960	2,859	426,995	2.85%
	Total Savings Final Sale				0	148,613	151,413	154,480	154,819	145,379	154,413	120,173	65,194	65.943	65,496	17,494	1,467,974	4,076	1,310,074	8.73%
		g Bonds		Total	104,358	616,965	1,783,940	2,405,836	2,591,846	2,759,804	2,775,873	1,998,940	691,163	670.040	628,110	152,250	18,474,428	Rounding	lue Savings	RINCIPAL =
		O. Refundir	000 16	Interest	104,358	296,965	283,940	260,836	226,846	184,804	135,873	88,940	61,163	30.040	13,110	2,250	2,029,428		Net Present Value Savings	EFUNDED P
sults		5 Taxable G.	\$16,445,000 25-May-16	Rate In		0.75%	1.15%	1.35%	1.65%	1.75%	2.00%	2.15%	2.30%	2.60%	2.80%	3.00%	2,0		Net	RCENT OF RI
Final Sale Results		Proposed 2016 Taxable G.O. Refunding Bonds		Prin (4/1)		320,000	1,500,000	2,145,000	2,365,000	2,575,000	2,640,000	1,910,000	635,000	640.000	615,000	150,000	16,445,000			AVINGS AS A PE
Fin		Existing Debt to be paid by Issuer			2,350,701	1,977,554	539,109										6,918,952			NET PRESENT VALUE SAVINGS AS A PERCENT OF REFUNDED PRINCIPAL =
ings		g Bonds		Total	1,308,325	1,310,248	1,336,200										3,954,773			NET P
nalysis ling Sav		Taxable G.O. Refunding Bonds	\$17,605,000 29-Mar-10	Interest	118,325	75,248	76,200										219,773			
Refunding Analysis Estimated Refunding Savings		Taxable G.0	\$1 2	Prin (4/1)	1,190,000	1,235,000	1,310,000										3,735,000			
Ref Estimate	KTION	-		Total	381,156	667,306	539,109										2,302,959			
	INDED PORTION	Taxabke G.O. Bonds	\$7,105,000 27-Mar-09	nterest	101,156	77,306	14,109										237,959 2,302,959			
	NON REFU	Taxabk	,72 72	Prin (4/1)	280,000	230,000	525,000										2,065,000			
		Bonds		Total	476,425	476,425	1,656,120	1,702,105	1,716,655	1,609,210	1,616,190	784,615	746 333	735,983	693,606	169,744	13,614,225			
		Taxable G.O. Refunding Bonds	0.0	Interest	476,425	476,425	476,425	397,105	336,655	274,210	211,190	164,615	134,390	65.983	28,606	4,744	1			
		Taxable G.C	\$17,605,000 29-Mar-10 1-Apr-18	Prin (4/1)			1,205,000	1,305,000	1,380,000	1,335,000	1,405,000	620,000	620,000	670.000	665,000	165,000	10,015,000 3,599,225			
	papu			Total	289,153	289,153	289,153	858,211	1,030,010	1,295,973	1,314,095	1,334,498								
	o Be Refur	Taxabke G.O. Bonds	0 -	Interest	289,153	289,153	289,153	273,211				39,498					1,999,396 6,989,396			
	Existing Debt Service To Be Refunded	Taxabke	\$7,105,000 27-Mar-09 1-Apr-19	Prin (4/1) Int				585,000	795,000	1,115,000	1,200,000	1,295,000					4,990,000 1,			
	Existing	Issue	Amount Dated Call Date	Year	2016	2017	2018	2020	2021	2022	2023	2024	2025	2027	2028	5029	Total			



## City of West Allis Summary of 2016



Existing	Debt Only Does	NOT includ	e issues to be r	efunded							
	Equalized Value Projection	Change in EV	Annual P&I Payment	Less Non-Levy Sources		Less TID 5 Rev 2016B	Less TID 6 Rev 2016B	Bid Premium Deposit Debt Service/adj to Levied Funds	Net Debt Service	New Rate Impact (Equalized)	
YEAR											YEAR
	20000 000000			(7.454.442)							
2016	3,660,116,000	0.95%	10,918,286	(7,151,412)		(71,597)	(11,724)	(16,549)	3,771,361	1.03	2016
2017	3,660,116,000	0.00%	9,562,993	(6,071,349)	3)	,	(58,404)		3,936,486	1.08	2017
2018	3,669,266,290	0.25%	9,212,746	(6,011,688)	5)	A STATE OF THE STA	(58,185)		3,639,246	0.99	2018
2019	3,678,439,456	0.25%	7,028,931	(4,774,430)	5)	1//	(137,456)		3,280,186	0.89	2019
2020	3,696,831,653	0.50%	5,745,177	(3,900,354)	5)	1	(151,043)		2,891,621	0.78	2020
2021	3,724,557,890	0.75%	4,877,523	(3,334,249)	5)	4-1-1-1	(154,201)		2,608,959	0.70	2021
2022	3,761,803,469	1.00%	4,158,780	(2,915,343)	5)		(161,989)		2,335,918	0.62	2022
2023	3,799,421,504	1.00%	3,691,405	(2,746,056)	5)	(1,793,265)	(159,458)		2,057,499	0.54	2023
2024	3,856,412,827	1.50%	3,118,265	(2,465,273)	5)	(1,842,284)	(156,656)		936,592	0.24	2024
2025	3,914,259,019	1.50%	2,548,904	(2,231,165)	5)	(542,453)	(148,710)		595,940	0.15	2025
2026	3,982,758,552	1.75%	2,026,004	(2,026,004)	5)	(515,761)	(165,378)		277,750	0.07	2026
2027	4,062,413,723	2.00%	1,572,303	(1,572,303)	5)	(488,710)	(181,330)		0	0.00	2027
2028	4,143,661,997	2.00%	1,110,487	(1,110,487)	5)	(456,300)	(171,810)		0	0.00	2028
2029	4,226,535,237	2.00%	819,092	(819,092)	5)		(152,250)		0	0.00	2029
2030	4,311,065,942	2.00%	457,194	(457,194)	8)				0	0.00	2030
2031	4,397,287,261	2.00%	0	0	5)				0	0.00	2031
TOTALS			66,848,089	(47,586,398)	-	/42 404 555	14 000 5	(2.2.5)		Singuista.	
TOTALS			00,848,089	(47,580,398)	5)	(12,481,926)	(1,868,593)	(16,549)	26,331,559		TOTALS

## MOODY'S INVESTORS SERVICE

#### CREDIT OPINION

27 April 2016

New Issue

Rate this Research



#### Contacts

Kathryn Gregory

312-706-9962

Assistant Vice President

President kathryn.gregory@moodys.com

Matthew Butler

312-706-9970

Vice President

matthew.butler@moodys.com

#### West Allis (City of), WI

New Issue - Moody's Assigns Aa2 to West Allis, WI's \$22.9M GO Bonds, Ser. 2016A&B

#### **Summary Rating Rationale**

Moody's Investors Service has assigned a Aa2 rating to the City of West Allis, WI's \$6.3 million General Obligation (GO) Corporate Purpose Bonds, Series 2016A and \$16.6 million Taxable GO Refunding Bonds, Series 2016B. Moody's also maintains the Aa2 rating on the city's outstanding GO debt. Post sale, the city will have \$72.7 million of GO debt outstanding.

The Aa2 rating reflects the city's large suburban tax base located just west of the City of Milwaukee (Aa3 stable) with a below average demographic profile, sound financial position supported by stable and healthy reserves, an above average debt burden supported by rapid principal amortization and a manageable pension burden.

#### **Credit Strengths**

- » Tax base favorably located in the Milwaukee metropolitan area provides residents with access to employment centers
- » Healthy operating reserves bolstered by consecutive operating surpluses

#### **Credit Challenges**

- » Lower resident income levels than similarly rated entities
- » Elevated overall debt burden

#### Rating Outlook

Outlooks are generally not assigned to local government credits with this amount of debt.

#### Factors that Could Lead to an Upgrade

- » Sustained growth to the city's tax base valuations
- » Improvement to the city's demographic profile
- » Moderation of the city's direct and overall debt burden

#### Factors that Could Lead to a Downgrade

» Material declines in tax base valuation and/or weakening of the city's demographic profile

- » Sustained declines to the city's financial reserves and/or liquidity
- » Growth in the city's debt burden or unfunded pension/OPEB liabilities

#### **Key Indicators**

#### Exhibit 1

West Allis (City of) WI	2010	2011	2012		2013	2014
Economy/Tax Base						
Total Full Value (\$000)	\$ 4,112,422	\$ 3,906,288	\$ 3,738,931	\$	3,701,354	\$ 3,712,641
Full Value Per Capita	\$ 68,074	\$ 64,423	\$ 62,005	\$	61,382	\$ 61,167
Median Family Income (% of US Median)	93.8%	93.8%	94.2%		94.2%	94.2%
Finances				No.		
Operating Revenue (\$000)	\$ 66,890	\$ 63,127	\$ 63,005	\$	64,161	\$ 64,359
Fund Balance as a % of Revenues	N/A	49.7%	41.4%		47.3%	45.7%
Cash Balance as a % of Revenues	130.3%	142.8%	133.3%		146.2%	139.8%
Debt/Pensions						
Net Direct Debt (\$000)	\$ 79,300	\$ 55,779	\$ 54,116	\$	76,649	\$ 75,248
Net Direct Debt / Operating Revenues (x)	1.2x	0.9x	0.9x		1.2x	1.2x
Net Direct Debt / Full Value (%)	1.9%	1.4%	1.4%		2.1%	2.0%
Moody's - adjusted Net Pension Liability (3-yr average) to Revenues (x)	N/A	N/A	0.4x		0.5x	0.7x
Moody's - adjusted Net Pension Liability (3-yr average) to Full Value (%)	N/A	N/A	0.7%		0.8%	1.3%

The above table reflects data through fiscal 2014. Post-sale net direct debt is \$72.7 million, net direct debt / operating revenues is 1.1 and net direct debt / full value is 1.9%. Source: Audited Financial Statements, Moody's Investors Service, US Census Bureau

#### **Recent Developments**

Since our last report was published on May 12, 2015, the City of West Allis released its fiscal 2014 audited financial statements. The city closed fiscal 2014 with a General Fund operating surplus that increased the available General Fund balance to \$29.2 million, or a healthy 50.9% of revenues. While audited results are not yet available for fiscal 2015, management anticipates \$1.8 million growth to the General Fund reserve. For fiscal 2016, the operating levy was increased by a very modest 0.43% and balanced operations are anticipated due to changes to the city's health insurance plans that are expected to reduce costs.

#### **Detailed Rating Considerations**

#### Economy and Tax Base: Mature Suburban Tax Base West of Milwaukee

We believe that the city's tax base will continue to stabilize over the long-term, despite recent valuation declines, due primarily to its location in the suburban Milwaukee metro area that provides residents with access to significant employment opportunities. The mature and fully built out city is located in Milwaukee County (Aa2 stable) directly west of the City of Milwaukee. Over the last five years, the city's large \$3.7 billion tax base declined at an average annual rate of 1.9%. Favorably, the city's tax base grew modestly by 0.3% in 2014 and 0.8% in 2015, which may signal that valuations will begin to recover. The city is 63.4% residential but has a significant commercial base which makes up 31.7% of 2015 full value.

Future growth is heavily dependent on redevelopment efforts, primarily within the city's tax increment districts (TIDs). Several successful TID projects have added new office buildings and other commercial properties to the city's landscape. TID #3, which incorporated the Quad Graphics printing facility (approximately 600 employees), expired in 2013 helping to mitigate the tax base decline for the year. TID #7, Summit Place, is now the city's largest employment center with 98% of available space leased. Other large employers within the city's TIDs include Brookdale Senior Living and Children's Hospital of Wisconsin. As of December 2015, the city's unemployment rate was slightly above both the state's rate of 4.2% and the national rate of 4.8% during the same time period.

This publication does not announce a credit rating action. For any credit ratings referenced in this publication, please see the ratings tab on the issuer/entity page on www.moodys.com for the most updated credit rating action information and rating history.

The city's demographic profile is slightly below average. According to estimates from the US Census Bureau's American Community Survey (2008-2012) median family income stands at 94.2% of the national median. The city's population declined slightly by 1.4% to 60,411 as of the 2010 census from 2000 levels. Based on the city's 2010 population its estimated 2015 full value per capita was a moderate \$61,750.

#### Financial Operations and Reserves: Strong Financial Position Supported By Healthy Reserves

West Allis's financial profile will likely remain strong over the near to medium-term. Historically, the city consistently booked General Fund operating surpluses due to conservative budgeting and strong financial management. While the city has a formal policy of maintaining an undesignated General Fund balance and a separate contingency fund balance of at least 5% of expenditures, in practice the city has maintained a much healthier level of reserves to provide cushion against unforeseen budget events. At the close of fiscal 2014, the available General Fund reserve totaled \$29.2 million, or a healthy 50.9% of revenues. Across its operating funds (the General Fund and Debt Service Fund), the city holds \$29.4 million in available fund balance, equivalent to a healthy 45.7% of revenues. While audited results are not yet available for fiscal 2015, management anticipates \$1.8 million growth to the General Fund reserve. For fiscal 2016, the operating levy was increased by a very modest 0.43%. Balanced operations are anticipated due to changes to the city's health insurance plans that are expected to reduce costs.

Property taxes are the city's largest revenue source and accounted for 64.1% of operating fund revenues in fiscal 2014. While strict levy limits restrict the city's ability to increase its annual levy by more than the percentage of valuation change driven by net new construction, West Allis maintains some revenue raising margin as it services a portion of its GO debt from its operating levy rather than its debt service levy. If management chose to fully apply its debt service levy it would raise approximately \$2.9 million in additional revenue. Intergovernmental aid is the city's second largest revenue source and accounted for 18.8% of 2014 revenues.

#### LIQUIDITY

The city's cash position is strong but overstated as the city collects and holds property taxes on behalf of other local governments in the county. At year-end fiscal 2014 the city had \$94.5 million in cash across all governmental funds, of which \$90 was held in the General and Debt Service Funds. At the same time, the city owed \$65.5 million to other governmental units. Net of payables to other governments, operating fund cash totaled \$24.3 million represented a still strong 37.7% of operating revenues.

#### Debt and Pensions: Above Average Debt Burden Due to Borrowing By Overlapping Entities

At 1.9% of full value and 1.1 times operating revenues, the city's direct debt burden is manageable. Including debt issued by overlapping entities, such as Milwaukee County and the Milwaukee Metropolitan Sewer District (Aa1 stable), the city's overall debt burden is high at 5.3% of full value. We expect the city's debt burden will remain manageable given rapid principal amortization. Approximately two-thirds of the city's debt service expenditures are supported by non-levy revenues, including TID revenues and utility revenues. The city expects to borrow approximately \$5 million annually for various capital improvements.

#### **DEBT STRUCTURE**

All of the city's debt is long-term and fixed rate. Principal amortization is rapid with 87% of debt retired within 10 years. All debt matures by 2031.

#### **DEBT-RELATED DERIVATIVES**

The city is not a party to any debt-related derivatives.

#### PENSIONS AND OPEB

The city's pension obligations are modest. The city contributes to the Wisconsin Retirement System (WRS) which provides pension benefits to its employees. The city contributes the required employer share of WRS annual costs. Wisconsin state legislation (Act 10) prohibits local governments from making non-public safety employee contributions to WRS on behalf of employees, capping local government contributions to the statutorily required employer contribution rate. City contributions for 2014 totaled \$3.3 million or a low 5.2% of 2014 operating revenues. Moody's three year average (fiscals 2012-14) adjusted net pension liability (ANPL) for the city, under our methodology for adjusting reported pension data, was \$46.9 million, or 0.73 times operating revenues and 1.25% of full valuation. Moody's ANPL reflects certain adjustments we make to improve comparability of reported pension liabilities. The adjustments are not intended to replace the city's reported contribution information, but to improve comparability with other rated entities. We determined the city's share of liability for WRS in proportion to its covered payroll.

The city provides health insurance coverage to certain eligible retirees and funds these Other Post Employment Benefits (OPEB) on a pay-as-you-go basis. As of the most recent December 31, 2014 actuarial valuation date the city's OPEB unfunded actuarial accrued liability was a relatively sizable \$158.7 million. The unfunded liability is up from \$122 million in 2010. The city does not maintain a dedicated trust for this liability. The city's fiscal 2014 contribution to its OPEB plan was \$5.2 million, equivalent to 8.2% of operating fund revenues.

#### Management and Governance: Moderate Institutional Framework With Limited Revenue Raising Flexibility

Wisconsin cities have an institutional framework score of "A," or moderate. Revenues are highly predictable as property taxes and state aid represent the largest revenue streams. Overall, cities have low revenue-raising ability. Property tax levy caps generally restrict cities from increasing their operating property tax levy except to capture amounts represented by net new construction growth. Expenditures mostly consist of personnel costs, which are moderately predictable. Expenditures are somewhat flexible, as collective bargaining is allowable for public safety employees but is curbed for non-public safety employees.

While strict levy limits restrict the city's ability to increase its annual levy by more than the percentage of valuation change driven by net new construction, West Allis maintains some revenue raising flexibility. The city services a portion of its GO debt from its operating levy rather than its debt service levy. If management chose to fully apply its debt service levy it would raise approximately \$2.9 million in additional revenue.

#### **Legal Security**

Debt service on the Series 2016A and 2016B bonds are secured by the city's general obligation unlimited tax (GOULT) pledge which benefits from a dedicated property tax levy which is not limited as to rate or amount.

#### Use of Proceeds

Proceeds of the Series 2016A bonds will be used to finance sanitary sewer, water system, and street improvement projects. Proceeds of the Series 2016B bonds will advance refund for estimated interest savings the 2020 through 2024 maturities of the city's GO Corporate Purpose Bonds, Series 2009 and the 2019 through 2029 maturities of the city's Taxable GO Refunding Bonds, Series 2010A.

#### **Obligor Profile**

The City of West Allis is located in Milwaukee County, directly west of the City of Milwaukee. The city covers an area of 11.4 square miles and has a current estimated population of 60,329.

#### Methodology

The principal methodology used in this rating was US Local Government General Obligation Debt published in January 2014. Please see the Ratings Methodologies page on www.moodys.com for a copy of this methodology.

#### Ratings

#### Exhibit 2

Issue	Rating
General Obligation Corporate Purpose Bonds 2016A	Aa2
Rating Type	Underlying LT
Sale Amount	\$6,295,000
Expected Sale Date	05/03/2016
Rating Description	General Obligation
Taxable General Obligation Refunding Bonds, 2016B	Aa2
Rating Type	Underlying LT
Sale Amount	\$16,570,000
Expected Sale Date	05/03/2016
Rating Description	General Obligation
Source: Moody's Investors Service	

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Contacts				CLIENT SERVICES	
Matthew Butler	312-706-9970	Kathryn Gregory	312-706-9962	Americas	1-212-553-1653
Vice President matthew.butler@moodys.com		Assistant Vice President kathryn.gregory@moodys.com		Asia Pacific	852-3551-3077
				Japan	81-3-5408-4100
				EMEA	44-20-7772-5454





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#### Summary:

# West Allis, Wisconsin; General Obligation

#### Primary Credit Analyst:

Andrew J Truckenmiller, Chicago (1) 312-233-7032; andrew.truckenmiller@standardandpoors.com

#### Secondary Contact:

Melissa L Brown, Chicago (1) 312-233-7093; melissa.brown@standardandpoors.com

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#### Summary:

#### West Allis, Wisconsin; General Obligation

#### Credit Profile

US\$16.57 mil taxable GO rfdg bnds ser 2016B dtd 05/25/2016 due 04/01/2029

Long Term Rating

AA/Stable

New

US\$6.295 mil GO corporate purp bnds ser 2016A dtd 05/25/2016 due 04/01/2031

Long Term Rating

AA/Stable

New

West Allis GO

Long Term Rating

AA/Stable

Affirmed

#### Rationale

Standard & Poor's Ratings Services assigned its 'AA' rating and stable outlook to West Allis, Wis.' series 2016A general obligation (GO) corporate-purpose bonds and series 2016B taxable GO refunding bonds and affirmed its 'AA' rating, with a stable outlook, on the city's existing GO debt.

Unlimited ad valorem taxes levied on taxable property in the city secure the bonds. The city will use series 2016A bond proceeds to finance sanitary sewer, water system, and street improvements and series 2016B bond proceeds to refund its obligations for interest cost savings.

The rating reflects our opinion of the following factors for the city, specifically its:

- Adequate economy, with projected per capita effective buying income at 83.3% of the national level and market value per capita of \$62,018, though that is advantageously gaining from access to a broad and diverse metropolitan statistical area (MSA);
- Strong management, with good financial policies and practices under our Financial Management Assessment (FMA) methodology;
- Strong budgetary performance, with an operating surplus in the general fund but a slight operating deficit at the total governmental fund level in fiscal 2014;
- Very strong budgetary flexibility, with an available fund balance in fiscal 2014 of 51% of operating expenditures;
- Very strong liquidity, with total government available cash at 147.5% of total governmental fund expenditures and 15.3x governmental debt service, and access to external liquidity we consider strong;
- Adequate debt and contingent liability position, with debt service carrying charges at 9.6% of expenditures and net direct debt that is 64.9% of total governmental fund revenue, as well as rapid amortization, with 91.2% of debt scheduled to be retired within 10 years; and
- · Strong institutional framework score.

#### Adequate economy

We consider West Allis' economy adequate. The city, with an estimated population of 60,329, is in Milwaukee County in the Milwaukee-Waukesha-West Allis MSA, which we consider broad and diverse. The city has a projected per capita effective buying income of 83.3% of the national level and per capita market value of \$62,018. Overall, the city's

market value was stable over the past year at \$3.7 billion in 2016. The county unemployment rate was 7% in 2014.

West Allis encompasses an area of 11.402 square miles just to the west of Milwaukee in southeastern Wisconsin. West Allis' leading employers include:

- West Allis Memorial Hospital (2,000 employees);
- · West Allis School District (1,100); and
- · Quad Graphics (600), a commercial printer company.

However, many residents commute into Milwaukee for employment.

#### Strong management

We view the city's management as strong, with good financial policies and practices under our FMA methodology, indicating financial practices exist in most areas, but that governance officials might not formalize or monitor all of them on a regular basis.

Management uses five years of historical internal revenue and expenditure analysis and an external actuarial study to form budget assumptions; in addition, it makes monthly reports on budget-to-actual results and investment earnings to the city board. West Allis also maintains a formal five-year capital improvement plan for roads and building projects and a debt management policy that is somewhat stricter than state guidelines. Management also has a formal fund balance policy of maintaining 5% of expenditures in unassigned general fund balance, which it exceeds. The city does not currently use long-term financial projections.

#### Strong budgetary performance

West Allis' budgetary performance is strong in our opinion. The city had surplus operating results in the general fund of 5.4% of expenditures, but a slight deficit result across all governmental funds of 1% of expenditures in fiscal 2014. Our assessment accounts for the fact that we expect budgetary results could deteriorate somewhat from 2014 results in the near term. General fund operating results of the city have been stable over the past three years, with a result of 6.9% of expenditures in 2013 and a result of 4.5% of expenditures in 2012.

The city has provided fiscal year-end 2015 results that show a general fund surplus of \$1.87 million, or 3% of expenditures, and a total governmental fund deficit of \$4.667 million. The total governmental result includes \$5.9 million of capital-outlay, which we view as likely one time or financed by prior debt proceeds. Because of this, we expect long-term performance to remain strong.

West Allis relies on stable revenue sources: 62% of general fund revenue came from property taxes in fiscal 2015. In addition, Wisconsin's local governments' allowable levy growth is limited to new construction; because the city is in the middle of several new construction projects, however, we expect it to realize revenue growth, which will help sustain strong budgetary performance. The city has adopted a balanced budget, and it expects to produce results similar to recent fiscal years.

#### Very strong budgetary flexibility

West Allis' budgetary flexibility is very strong, in our view, with an available fund balance in fiscal 2014 of 51% of operating expenditures, or \$27.7 million. We expect the available fund balance to remain above 30% of expenditures for the current and next fiscal years, which we view as a positive credit factor.

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The city is taking capital fund reserves and applying reserved funds to building upgrades. West Allis annually budgets for pay-as-you-go capital projects in the general fund, which accumulates money to pay up to 50% of big-ticket projects; management reports it will likely spend a portion of assigned general fund balance on capital projects within the next few years. However, due to high reserves, we do not expect capital spending to have a significant effect on budgetary flexibility overall.

#### Very strong liquidity

In our opinion, West Allis' liquidity is very strong, with total government available cash at 147.5% of total governmental fund expenditures and 15.3x governmental debt service in 2014. In our view, the city has strong access to external liquidity if necessary.

Based on past debt issuance, we believe West Allis has strong access to capital markets to provide liquidity, if necessary. The city does not currently have any privately placed or direct-purchase debt. We consider the city's investments nonaggressive because it primarily invests in the Wisconsin local government investment pool.

Management has not indicated a need to draw on total cash; therefore, we expect liquidity to remain very strong.

#### Adequate debt and contingent liability profile

In our view, West Allis' debt and contingent liability profile is adequate. Total governmental fund debt service is 9.6% of total governmental fund expenditures, and net direct debt is 64.9% of total governmental fund revenue. Approximately 91.2% of the direct debt is scheduled to be repaid within 10 years, which is, in our view, a positive credit factor.

The city expects to issue up to \$6.75 million over the next two years for street, water utility, and sewer utility improvements as part of its ongoing capital improvement program.

West Allis' combined required pension and actual other postemployment benefit (OPEB) contribution totaled 10.6% of total governmental fund expenditures in fiscal 2012. Of that amount, 3.7% represented required contributions to pension obligations, and 6.9% represented OPEB payments. The city made its full annual required pension contribution in fiscal 2012.

All eligible city employees participate in the Wisconsin Retirement System, a cost-sharing, multiemployer, defined-benefit, public-employee retirement system. The city has historically contributed 100% of its required amount as determined by the state. West Allis also offers health care benefits to retirees. As of Dec. 31, 2013, its actuarially determined OPEB unfunded accrued liability was \$140 million. The city currently funds the OPEB liability on a pay-as-you-go basis.

#### Strong institutional framework

The institutional framework score for Wisconsin cities and villages with a population greater than 25,000 is strong.

#### Outlook

The stable outlook reflects Standard & Poor's opinion of the city's strong budgetary performance and very strong budgetary flexibility, supported by strong management. We do not expect to change the rating within the next two

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years because we do not expect credit factors to change materially. We believe the city's access to Milwaukee provides additional rating stability.

#### Upside scenario

We could raise the rating if wealth and income were to improve to levels we consider comparable to the city's higher rated peers.

#### Downside scenario

We could lower the rating if budgetary performance were to worsen or if reserves were to deteriorate significantly.

#### Related Criteria And Research

#### Related Criteria

- USPF Criteria: Local Government GO Ratings Methodology And Assumptions, Sept. 12, 2013
- USPF Criteria: Financial Management Assessment, June 27, 2006
- USPF Criteria: Debt Statement Analysis, Aug. 22, 2006
- USPF Criteria: Assigning Issue Credit Ratings Of Operating Entities, May 20, 2015
- · Criteria: Use of CreditWatch And Outlooks, Sept. 14, 2009

#### Related Research

- S&P Public Finance Local GO Criteria: How We Adjust Data For Analytic Consistency, Sept. 12, 2013
- Institutional Framework Overview: Wisconsin Local Governments

Ratings Detail (As Of April 26, 2016)			
West Allis taxable GO corp purp bnds  Long Term Rating	AA/Stable	Affirmed	
West Allis GO corp purp bnds  Long Term Rating	AA/Stable	Affirmed	
West Allis GO			
Unenhanced Rating	AA(SPUR)/Stable	Affirmed	
Many issues are enhanced by bond insurance.			

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**APRIL 26, 2016** 

# 1 YEAR TREND IN MUNICIPAL BOND INDICES





The Bond Buyer "20 Bond Index" (BBI) shows average yields on a group of municipal bonds that mature in 20 years and have an average rating equivalent to Moody's Aa2 and S&P's AA.