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Municipal Securities



Investortools

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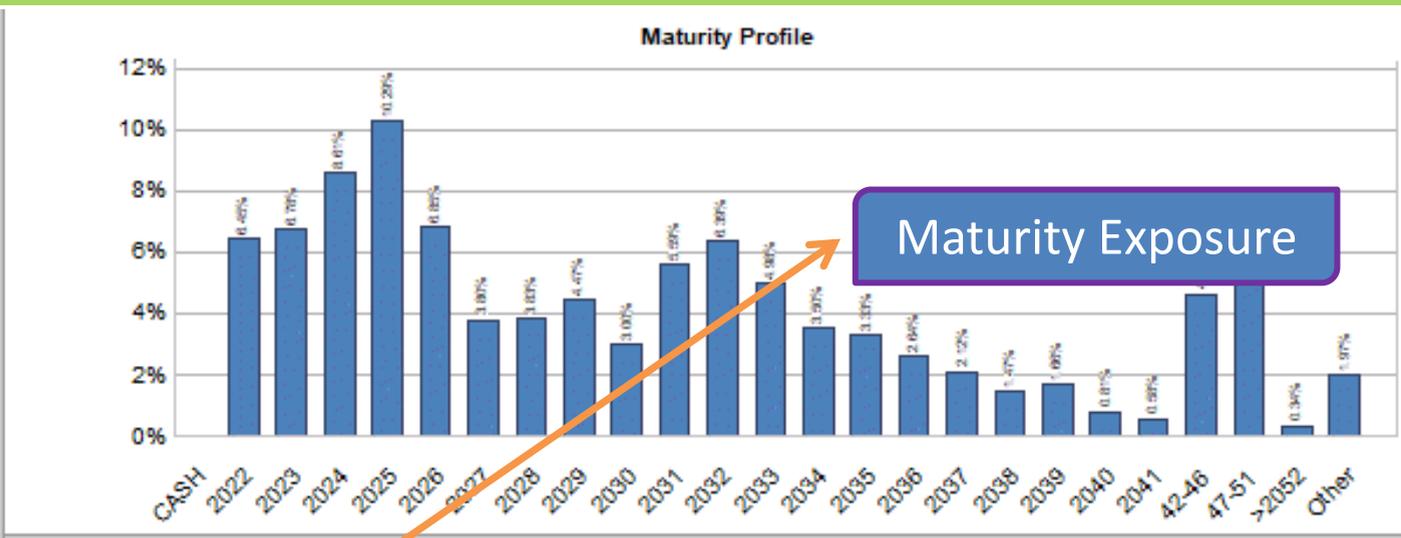
All municipal bond types are represented



Portfolio Summary presents exposure, holding, and prospect data for each portfolio

Portfolio	Port Total Par	Port Market Value + Accrued	Port Contact	Port Contact
AllianceBernstein LP. (Morningstar) - AB Custom Mur	145,000	1,202,802	Daryl Clements	Matthew No
AllianceBernstein LP. (Morningstar) - AB Custom Mur	130,000	141,951	Daryl Clements	Matthew No
AllianceBernstein LP. (Morningstar) - AB Custom Mur	140,000	151,003	Daryl Clements	Matthew No
AllianceBernstein LP. (Morningstar) - AB Custom Mur	140,000	148,553	Daryl Clements	Matthew No
AllianceBernstein LP. (Morningstar) - AB Custom Mur	140,000	146,301	Daryl Clements	Matthew No
AllianceBernstein LP. (Morningstar) - AB Custom Mur	150,000	155,888	Daryl Clements	Matthew No
Allspring Global Investments (Morningstar) - Allspring	1,075,000	1,224,868	Robert Miller	Adrian Van
Allspring Global Investments (Morningstar) - Allspring	9,295	93,004,526	Robert Miller	Adrian Van
Amalgamated Financial Corp (Morningstar) - Amalgar	21,669	31,869,884,489	Joseph Lombardi	John Mosch
Appleton Partners Inc. (Morningstar) - Appleton Partn	308,130,000	350,178,513	James Ladge	Gary Crofto
Appleton Partners Inc. (Morningstar) - Appleton Partn	5,635,000	6,895,032	Whitney Fitts	Jim Quealy
Appleton Partners Inc. (Morningstar) - Appleton Partn		610,011	Anson Clough	James Ladg
ASB Capital Management LLC (Morningstar) - ASB A		731,170	Eric Kraus	Carlton Dav
Asset Preservation Advisors (Morningstar) - APA Hig		180,601	Kevin Woods	Trisha Brou
Asset Preservation Advisors (Morningstar) - APA Ent		855,769	Kenneth Woods	Kevin Wood
Asset Preservation Advisors (Morningstar) - APA Sho	341,540,000	355,103,701	Paul Nolan	Kevin Wood
Asset Preservation Advisors (Morningstar) - APA Posi	114,065,000	125,040,304	Trisha Broussard	Kyle Gerber
Baird Advisors (Morningstar) - Quality Interm Municip	1,559,219,283	5,311,297,105	Jeffrey Schrom	Charles Gro
BBVA Asset Management and Trust (Morningstar) - B	155,555,000	179,412,572	Thomas Joy	
Belle Haven Investments (Morningstar) - Belle Haven	815	819	Matthew Dalton	Brian Steev
Belle Haven Investments (Morningstar) - Belle Haven	975	1,012	Matthew Dalton	Brian Steev
Belle Haven Investments (Morningstar) - Belle Haven	1,000	1,010	Matthew Dalton	Brian Steev
Belle Haven Investments (Morningstar) - Belle Haven	630	670	Matthew Dalton	Brian Steev
Belle Haven Investments (Morningstar) - Belle Haven	975	1,012	Matthew Dalton	Brian Steev
Bernardi Asset Management, LLC (Morningstar) - Ber	13,185,000	17,644,128	Ronald Bernardi	John Tranas

Contact Information



Maturity Exposure

Asset Allocation Sector	Par (\$000)	Market Value + Accrued	% MV	% Exposure Incl
Municipals	1,234,467	1,254,317,749		
	1,234,467	1,254,317,749	100.00%	100.00%

Asset Exposure

CUSIP	Par (\$000)	Market Value + Accrued	Description	State	Count
Portfolio Holdings					
451913AH0	73,480	68,136,534.40	Illinois Dev Fin Auth Retirement Hsg Rev 19 IL		0
451913AJ6	27,875	27,346,490.00	Illinois Dev Fin Auth Retirement Hsg Rev 19 IL		0
66285WHE9	27,690	8,517,444.00	North Tex Twy Auth Rev 2011-B	TX	0
546398DH8	26,700	29,378,944.50	Louisiana Pub Facs Auth Rev 2002-B	LA	5
442042DM6	25,000	26,231,277.78	Houston Cr		5
4424362G5	24,965	31,603,990.99	Houston Tex Wtr & Swr Sys Rev 2002-a	TX	5
546398DJ4	22,190	24,907,276.45	Louisiana Pub Facs Auth Rev 2002-B	LA	5

Holdings



Sales and Trading Tools

Identify holders of specific bonds or issuers

Find CUSIP matchers between accounts

Expose accounts' recent trading activity

Fill current inquiries



Searches find bonds by CUSIP, issuer, gain/loss, and other attributes

Portfolio	CUSIP	Ticket Par \$000	Current Tot Par \$000	Holding Description	State	Coupon	Maturity	Trade Date	Ticket Price	Gain / Loss	Lot Book	Book Yield	Moody Rating	S&P Rating	Fitch Rating	Hold Sec
vanguard (Morningstar) - Intermediate-Term Tax-Exempt	00037CTA8	2,200	2,200	Abag Fin Auth For Nonprofit Corps Calif Re	CA	5.000	07/01/2026	12/31/2021	102.383000	-52,426.00	102.383	4.884	A1			Appropriati
vanguard (Morningstar) - Intermediate-Term Tax-Exempt	00037CTB6	2,375	2,375	Abag Fin Auth For Nonprofit Corps Calif Re	CA	5.000	07/01/2022	12/31/2021	102.383000	-56,596.25	102.383	4.884	A1			PRE/ETM
fidelity investments (Morningstar) - Strategic Advisers Mu	00037CVN7	1,920	1,520	Abag Fin Auth For Nonprofit Corps Calif Re	CA	5.000	08/01/2043	04/30/2022	102.712000	-2,112.80	102.712	4.868	Aa3	AA		Hospitals
hartford mutual funds (Morningstar) - Hartford Municipal	00037CVN7	1,500	1,500	Abag Fin Auth For Nonprofit Corps Calif Re	CA	5.000	08/01/2043	05/31/2022	102.483000	-12,765.00	102.483	4.879	Aa3	AA		Hospitals
vanguard (Morningstar) - California Intermediate Term Ta	00037CWX8	1,530	1,530	Abag Fin Auth For Nonprofit Corps Calif Re	CA	5.000	09/02/2030	03/31/2022	113.245000	-41,141.70	113.245	4.415		AA		INSURED
alliancebernstein (Morningstar) - AB High Income Municipi	00344PAD1	4,250	4,250	Abilene Tex Convention Ctr Hotel Dev Corp	TX	5.000	10/01/2050	02/28/2022	103.524000	-522,240.00	103.524	4.830				IDR
alliancebernstein (Morningstar) - AB Municipal Income S	00344PAD1	5,300	5,300	Abilene Tex Convention Ctr Hotel Dev Corp	TX	5.000	10/01/2050	02/28/2022	103.524000	-651,264.00	103.524	4.830				IDR
spdr state street global advisors (Morningstar) - SPDR®	005518WY7	1,000	1,000	Adams & Weld Cntys Colo Sch Dist No 027	CO	5.000	12/01/2042	05/31/2022	111.359000	-32,750.00	111.359	4.490	Aa2	AA		LOCALGO
fidelity investments (Morningstar) - Strategic Advisers® T	005518WZ4	3,100	3,100	Adams & Weld Cntys Colo Sch Dist No 027	CO	5.000	12/01/2022	03/31/2022	102.282000	-34,286.00	102.282	4.888	Aa2	AA		LOCALGO
eaton vance (Morningstar) - Short Duration Municipal Op	005518XA8	3,550	3,550	Adams & Weld Cntys Colo Sch Dist No 027	CO	5.000	12/01/2023	03/31/2022	105.226000	-26,199.00	105.226	4.752	Aa2	AA		LOCALGO
american century investments (Morningstar) - American	005518XA8	1,000	1,000	Adams & Weld Cntys Colo Sch Dist No 027	CO	5.000	12/01/2023	03/31/2022	105.227000	-19,200.00	105.227	4.752	Aa2	AA		LOCALGO
Loomis, Sayles & Company LP (Morningstar) - Loomis S	005518XL4	1,270	1,265	Adams & Weld Cntys Colo Sch Dist No 027	CO	5.000	12/01/2033	03/31/2022	120.749000	-65,653.50	120.749	4.141	Aa2	AA		LOCALGO
vanguard (Morningstar) - Intermediate-Term Tax-Exempt	005698TA3	4,000	4,000	Adams Cnty Colo Sch Dist No 050 Westmin	CO	5.000	12/01/2022	12/31/2021	104.349000	-115,920.00	104.349	4.792	Aa2	AA		LOCALGO
vanguard (Morningstar) - Limited Term Tax Exempt Fund	006449GT3	2,000	2,000	Adams 12 Five Star Schs Colo 2016-B	CO	5.000	12/15/2028	03/31/2022	112.962000	-50,560.00	112.962	4.426	Aa2	AA		LOCALGO
vanguard (Morningstar) - Intermediate-Term Tax-Exempt	006449GT3	3,000	3,000	Adams 12 Five Star Schs Colo 2016-B	CO	5.000	12/15/2028	03/31/2022	112.962000	-75,840.00	112.962	4.426	Aa2	AA		LOCALGO
fidelity investments (Morningstar) - Strategic Advisers Mu	006449GV8	1,175	1,175	Adams 12 Five Star Schs Colo 2016-B	CO	5.000	12/15/2030	02/28/2022	115.631000	-47,728.50	115.631	4.324	Aa2	AA		LOCALGO
russell (Morningstar) - Investments Tax-Exempt Bond Fu	006449GV8	3,500	3,500	Adams 12 Five Star Schs Colo 2016-B	CO	5.000	12/15/2030	02/28/2022	115.631000	-142,170.00	115.631	4.324	Aa2	AA		LOCALGO
bridge builder (Morningstar) - Municipal Bond Fund	006449GV8	4,000	4,000	Adams 12 Five Star Schs Colo 2016-B	CO	5.000	12/15/2030	02/28/2022	115.631000	-258,560.00	115.631	4.324	Aa2	AA		LOCALGO
vaneck (Morningstar) - High Yield Muni ETF	008051AA2	1,000	1,000	Aerotropolis Colo Real Transn Auth Spl Rev	CO	5.000	12/01/2051	05/31/2022	100.238000	-36,740.00	100.238	4.988				LOCALGO
t. rowe price (Morningstar) - Tax Free High Yield Fund	008051AC8	9,895	9,055	Aerotropolis Colo Regl Transn Auth Spl Rev	CO	4.375	12/01/2052	12/31/2021	101.623000	-2,088,445.20	101.623	4.305				IDR
eaton vance (Morningstar) - National Limited Maturity ML	009730QE5	1,175	1,175	Akron Bath Copley Ohio Jt Twp Hosp Dist R	OH	5.000	11/15/2027	04/30/2022	110.138000	-5,452.00	110.138	4.540	A1		AA-	Hospitals
eaton vance (Morningstar) - Ohio Municipal Income Fun	009730QS4	1,250	1,250	Akron Bath Copley Ohio Jt Twp Hosp Dist R	OH	4.000	11/15/2042	04/30/2022	98.051000	-34,087.50	98.051	4.080	A1		AA-	Hospitals
vanguard (Morningstar) - Limited Term Tax Exempt Fund	010056KX6	1,000	1,000	Akron Ohio Income Tax Rev 2019	OH	4.000	12/01/2032	03/31/2022	109.532000	-45,360.00	109.532	3.652		AA-		Appropriati
Baird Advisors (Morningstar) - Baird Short-Term Municipi	010056MM8	3,350	3,350	Akron Ohio Income Tax Rev 2022	OH	4.000	12/01/2026	03/31/2022	107.577000	-34,103.00	107.577	3.718		AA-		Appropriati
baird (Morningstar) - Short-Term Municipal Bond Fund	010056MM8	3,350	3,350	Akron Ohio Income Tax Rev 2022	OH	4.000	12/01/2026	03/31/2022	107.577000	-34,103.00	107.577	3.718		AA-		Appropriati
vanguard (Morningstar) - Intermediate-Term Tax-Exempt	010056MN6	1,180	1,180	Akron Ohio Income Tax Rev 2022	OH	4.000	12/01/2032	12/31/2021	116.315000	-105,197.00	116.315	3.439		AA-		Appropriati
vanguard (Morningstar) - Limited Term Tax Exempt Fund	010056MP1	2,380	2,380	Akron Ohio Income Tax Rev 2022	OH	4.000	12/01/2032	12/31/2021	109.730000	-50,194.20	109.730	3.645		AA-		Appropriati
vanguard (Morningstar) - Limited Term Tax Exempt Fund	010056MQ9	1,525	1,525	Akron Ohio Income Tax Rev 2022	OH	4.000	12/01/2032	12/31/2021	119.997000	-192,256.75	119.997	3.333		AA-		Appropriati
vanguard (Morningstar) - Ohio Long Term Tax Exempt Fi	010056MT3	1,285	1,285	Akron Ohio Income Tax Rev 2022	OH	4.000	12/01/2032	12/31/2021	117.592000	-157,284.00	117.592	3.402		AA-		Appropriati
vanguard (Morningstar) - Ohio Long Term Tax Exempt Fi	010056MU0	1,325	1,325	Akron Ohio Income Tax Rev 2022	OH	4.000	12/01/2033	12/31/2021	117.417000	-163,982.00	117.417	3.407		AA-		Nonproprati

Identify holders

Tax Gain/Loss



Search for matchers crosses accounts or portfolios to find identical CUSIPs

Buy-Side Account	CUSIP	Description	# of Overlapping Accounts	Par (\$000) Selected	Par (\$000) Overlap	Insurance Available
Highlight an Account to view its Holdings with matchers	87482MBA2	Tallyns Reach Met Dist No 3 Colo 2013	2	388	1,546	
nuveen (Morningstar)	86476RCT9	Suffolk Cnty N Y Economic Dev Corp Rev 2014-C	2	415	3,335	
invesco (Morningstar)	85236BAC6	St Louis MO Indl Dev Auth Fing Rev 2017-a	2	1,500	15,115	
blackrock (Morningstar)	852297CK4	St Paul Minn Hsg & Redev Auth Charter Sch Lease Rev 2	2	1,075	3,185	
	84355AAC6	Southern Ohio Port Auth Exempt Fac Rev 2020-a	2	24,165	57,250	
	84136FBB2	Southeast Energy Auth Commodity Supply Rev Ala 2022 I	2	10,000	25,985	
	84131TAQ5	Southeast Ala Gas Supply Dist Gas Supply Rev 2018-a	2	5,000	257,700	
	838536LN8	South Jersey Transn Auth N J Transn Sys Rev 2020-a	2	6,000	6,980	BAM
	838536LM0	South Jersey Transn Auth N J Transn Sys Rev 2020-a	2	2,000	7,530	BAM
	837151PM5	South Carolina St Pub Svc Auth Rev	2	150	12,000	
	83703FLP5	South Carolina Jobs-Economic Dev A	2	200	16,000	
	806418BF5	Schenectady Cnty N Y Cap Resource Corp Rev 2022	2	1,000	1,000	
	799038NA8	San Mateo Cnty Calif Cmnty College Dist 2018-B	2	10,000	40,000	
	79766DRM3	San Francisco Calif City & Cnty Arpts Commn Intl Arpt Re	2	12,950	13,500	
	79766DRK7	San Francisco Calif City & Cnty Arpts Commn Intl Arpt Re	2	5,275	22,715	
	79766DMB2	San Francisco Calif City & Cnty Arpts Commn Intl Arpt Re	2	15,000	106,475	
	79766DLH0	San Francisco Calif City & Cnty Arpts Commn Intl Arpt Re	2	8,000	18,940	
	79766DKG3	San Francisco Calif City & Cnty Arpts Commn Intl Arpt Re	2	1,930	51,265	
	79766DGE3	San Francisco Calif City & Cnty Arpts Commn Intl Arpt Re	2	25,630	68,960	
	79739GNX0	San Diego Cnty Calif Regl Arpt Auth Arpt Rev 2021-B	2	15,000	50,970	BAM
	79575EAS7	Salt Verde Finl Corp Gas Rev Ariz 2007	2	26,655	38,600	
	79575EAR9	Salt Verde Finl Corp Gas Rev Ariz 2007	2	3,000	26,190	
	79574CBB8	Salt Riv Proj Agric Impt & Pwr Dist Ariz Elec Sys Rev 2015	2	500	16,000	
	795576KB2	Salt Lake City Utah Arpt Rev 2021-a	2	200	60,445	BAM
	795576HL4	Salt Lake City Utah Arpt Rev 2018-a	2	4,000	3,735	BAM

Find Invesco CUSIPs also held by Nuveen and/or Blackrock

Par held by Invesco

Par held by Nuveen and Blackrock



Change Reports reflect the trades clients are doing as their portfolios update

Transaction Type	CUSIP	Old Par (\$000)	New Par (\$000)	Par Diff (\$000)	Holding Description	State	Coupon	Maturity	Next Call Date	Dated Date	Moody Rating	S&P Rating	Fitch Rating	Security Type
invesco (Morningstar) - High Yield Municipal Fund (Data Dates: 07/31/2022 vs 09/07/2022)														
Buys/Additions	118217DA3	223195	246880	23685	Buckeye Ohio Tob Settlement Fing Auth 2020 B-	OH	0.000	06/01/2057	06/01/2030	03/04/2020		NR		Muni Bond
Buys/Additions	13032UYS1	0	15000	15000	California Health Facs Fing Auth Rev 2022-a	CA	4.000	05/15/2051	05/15/2032	05/17/2022	A1	A+	AA-	Muni Bond
Buys/Additions	19648FKA1	4450	11800	7350	Colorado Health Facs Auth Rev 2019 a-1	CO	4.000	08/01/2044	08/01/2029	08/21/2019	Baa1	A-	BBB+	Muni Bond
Buys/Additions	19648FTG9	2250	3750	1500	Colorado Health Facs Auth Rev 2021-a	CO	5.000	05/15/2044	05/15/2028	12/29/2021				Muni Bond
Buys/Additions	24917DCR2	0	3850	3850	Denver Colo City & Cnty Dedicated Tax Rev 2021	CO	4.000	08/01/2051	08/01/2031	04/22/2021	Aa3	AA-	AA-	Muni Bond
Buys/Additions	249182QV1	0	5500	5500	Denver Colo City & Cnty Arprt Rev 2022-a	CO	5.000	11/15/2047	11/15/2032	07/19/2022	Aa3	A+	AA-	Muni Bond
Buys/Additions	249182QW9	0	5000	5000	Denver Colo City & Cnty Arprt Rev 2022-a	CO	4.125	11/15/2047	11/15/2032	07/19/2022	Aa3	A+	AA-	Muni Bond
Buys/Additions	249182QX7	0	5000	5000	Denver Colo City & Cnty Arprt Rev 2022-a	CO	5.500	11/15/2053	11/15/2032	07/19/2022	Aa3	A+	AA-	Muni Bond
Buys/Additions	249182QY5	0	5000	5000	Denver Colo City & Cnty Arprt Rev 2022-a	CO	4.125	11/15/2053	11/15/2032	07/19/2022	Aa3	A+	AA-	Muni Bond
Buys/Additions	2837344Y4	0	1250	1250	El Paso Tex 2021-B	TX	4.000	08/15/2047	08/15/2030	12/01/2021		AA	AA	Muni Bond
Buys/Additions	483228EC2	0	1235	1235	Kalamazoo Mich Economic Dev Corp Rev 2021	MI	5.000	08/15/2041	08/15/2028	07/22/2021				Muni Bond
Buys/Additions	497609BB2	1285	2285	1000	Kirkwood MO Indl Dev Auth Retirement Cmnty R	MO	5.250	05/15/2037	05/15/2027	03/30/2017			BB-	Muni Bond
Buys/Additions	59261AG50	0	500	500	Metropolitan Transp Auth N Y Rev 2020 C-1	NY	5.250	11/15/2055	05/15/2030	05/14/2020	A3	BBB+	A-	Muni Bond
Buys/Additions	61075TUG1	1000	7500	6500	Monroe Cnty N Y Indl Dev Corp Rev 2019	NY	5.000	01/01/2040	01/01/2026	12/30/2019				Muni Bond
Buys/Additions	626657AA8	0	3000	3000	Murphy Creek Metropolitan District No 5 2022-a	CO	6.000	12/01/2052	09/01/2027	07/19/2022				Muni Bond
Buys/Additions			3532	3532	Murphy Creek Metropolitan District No 5 2022-B	CO	9.250	12/15/2052	09/01/2027	07/19/2022				Muni Bond
Buys/Additions			3270	3270	New York N Y City Transitional Fin Auth Rev 202	NY	4.000	02/01/2051	02/01/2032	02/01/2022	Aa1	AAA	AAA	Muni Bond
Buys/Additions			5000	5000	New York N Y					32				08/02/20
Buys/Additions	681669FS1	0	2500	2500	Omaha-Dougl					29				05/20/20
Buys/Additions	74514L4C8	0	62766	62766	Puerto Rico C					07/08/20				
Buys/Additions	74529JPX7	47864	49364	1500	Puerto Rico S					28				08/01/20
Buys/Additions	896035BA9	0	7985	7985	Triborough Bri					32				07/20/20
Buys/Additions	896035BD3	0	10335	10335	Triborough Bridge and Tunnel Authority 2022-a	NY	5.250	05/15/2052	11/15/2032	07/20/2022		AA+	AAA	Muni Bond
Sells/Reductions	045312AA3	1075	0	-1075	Aspen Str Met Dist Colo 2021-a	CO	5.125	12/01/2050	06/01/2026	05/12/2021				Muni Housing Bond
Sells/Reductions	074876HP7	925	0	-925	Beaver Cnty PA Indl Dev Auth Pollute Ctl Rev 201	PA				04/03/2006	NR	BBB	NR	Muni Var Rate Demand
Sells/Reductions	13033DAJ4	6478	0	-6478	California Hsg Fin Agy Mun Cfts 2021-3	CA	3.250	08/20/2036		11/01/2021		BBB		Muni Bond
Sells/Reductions	17190EAA1	3442	0	-3442	Cielo Met Dist Colo 2021	CO	5.250	12/01/2050	06/01/2026	04/28/2021				Muni Bond
Sells/Reductions	17294XCN4	94400	0	-94400	Citibank, N.a. 0%		0.000	02/28/2023		01/01/2000				CD / Bk Note Periodic Ir
Sells/Reduction		0	-7350	-7350	Colorado Health Facs Auth Rev 2019 a-2	CO	4.000	08/01/2049	08/01/2029	08/21/2019	Baa1	A-	BBB+	Muni Bond
Sells/Reduction		0	-1500	-1500	Colorado Health Facs Auth Rev 2021-a	CO	5.000	05/15/2049	05/15/2028	12/29/2021				Muni Bond
Sells/Reduction		0	-3439	-3439	Cortland Ill Spl Tax Rev 2006	IL				05/05/2006				Muni Bond
Sells/Reductions	26843GAA8	3045	0	-3045	E-86 Met Dist Colo 2021 a-3	CO	5.125	12/01/2051	06/01/2026	05/14/2021				Muni Housing Bond
Sells/Reductions	34061XAD4	500	0	-500	Florida Dev Fin Corp Solid Waste Disp Rev 2021	FL	3.000	06/01/2032	06/01/2024	06/08/2021				Muni Bond
Sells/Reductions	483228ED0	3015	1510	-1505	Kalamazoo Mich Economic Dev Corp Rev 2021	MI	5.000	08/15/2051	08/15/2028	07/22/2021				Muni Bond

Par increase

Identify which issuers are approved and being actively traded

Dated date helps determine new issue or secondary trade

Par decrease



Advanced Portfolio Analysis

Analyze portfolio structure
using reports and graphs

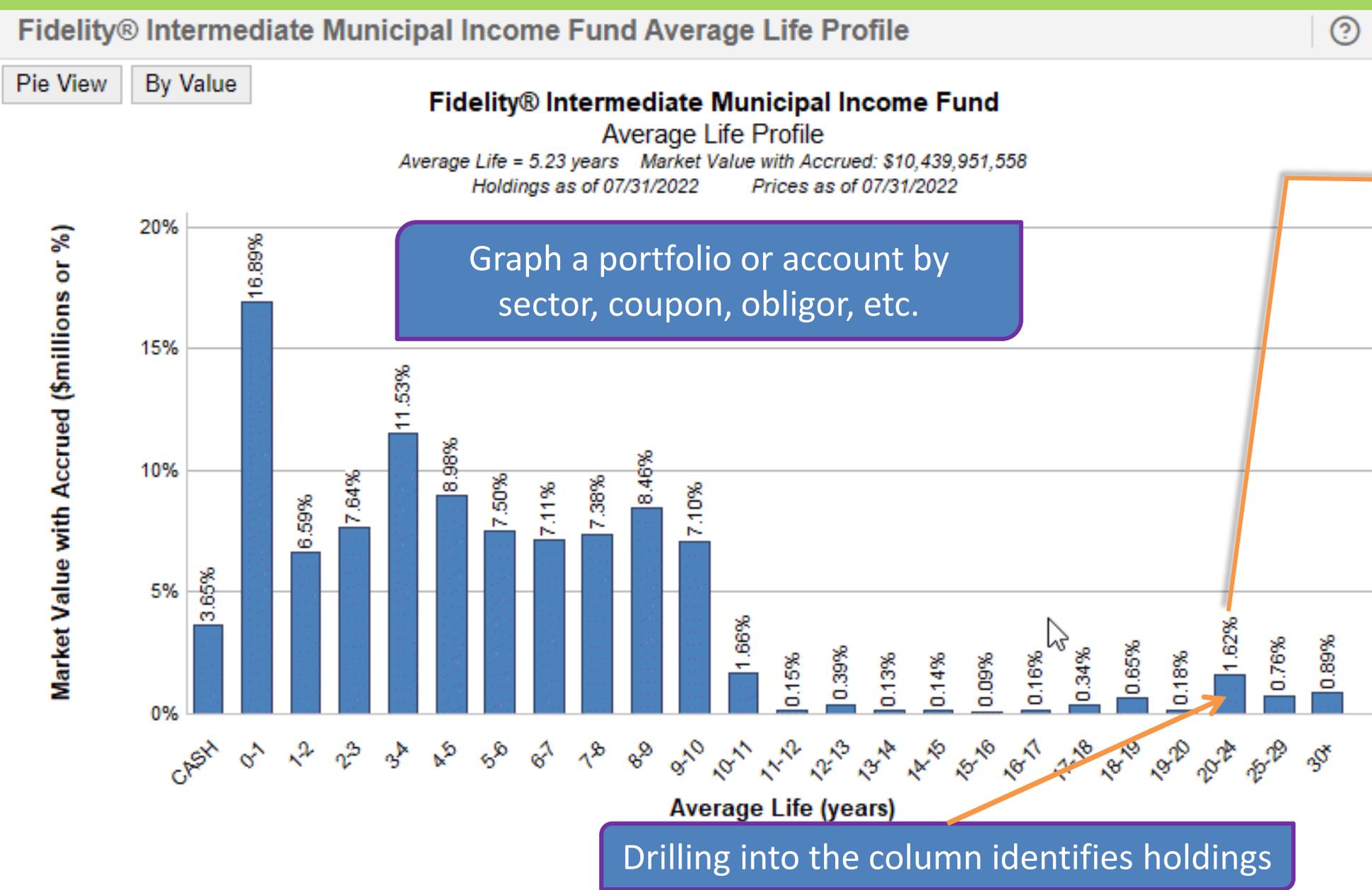
EMMA surveillance
tools and documents

Create what-if scenarios with
simulations modeling

Add CreditScope for
in-depth credit analysis



Portfolio's profile quickly shows portfolio structure by attribute



Fidelity® Intermediate Municipal Income Fund Average Life Profile (20-24)

Portfolio ID	CUSIP	Par (\$000)	Holding Description	State	Coupon
+ fidelity investm: 017292XQ1		5,575	Allegheny Cnty PA Indl Dev Auth Rev 2021	PA	4.250
fidelity investm: 13048RAH0		22,000	California Mun Fin Auth Solid Waste Disp R	CA	2.950
fidelity investm: 13058BAD1		495	California Pub Fin Auth Univ Hsg Rev 2017-	CA	5.000
fidelity investm: 20775DDY5		3,025	Connecticut St Health & Edl Facs Auth Rev	CT	4.000
fidelity investm: 20775HLT8		25,675	Connecticut St Hsg Fin Auth Hsg Mtg Fin Pr	CT	3.000
fidelity investm: 25155W5R6		13,890	Deutsche Bk Spears/Lifers Tr Var Sts 2022	NA	0.840
fidelity investm: 296110GD5		4,570	Escambia Cnty Fla Health Facs Auth Health	FL	4.000
fidelity investm: 363671BH0		3,195	Gallatin Cnty Mont Indl Dev Rev 2021-a	MT	4.000
fidelity investm: 45505TJ08		2,605	Indiana St Hsg & Cmnty Dev Auth Single Fa	IN	3.000
fidelity investm: 46246K4T6		2,910	Iowa Fin Auth Rev 2018-a	IA	5.000
fidelity investm: 56042RFG2		2,765	Maine Health & Higher Edl Facs Auth Rev 2	ME	4.000
fidelity investm: 56678PAU1		10,690	Maricopa Cnty Ariz Indl Dev Auth Hosp Rev	AZ	0.000
fidelity investm: 56682PBU4		7,730	Maricopa Cnty Ariz Indl Dev Auth Sr Living	AZ	6.000
fidelity investm: 57421CCJ1		750	Maryland St Health & Higher Edl Facs Auth	MD	4.000
fidelity investm: 57422FAF3		2,625	Maryland St Economic Dev Corp Spl Oblig	MD	4.000
fidelity investm: 592248BD9		2,160	Metropolitan Pier & Exposition Auth III Dedic	IL	0.000
fidelity investm: 592248BE7		3,985	Metropolitan Pier & Exposition Auth III Dedic	IL	0.000
fidelity investm: 594654NX9		6,325	Michigan St Hsg Dev Auth Single Family Mt	MI	3.000
fidelity investm: 60416TEB0		2,260	Minnesota St Hsg Fin Agy 2021-B	MN	3.000
fidelity investm: 605155BR0		20,000	Mission Tex Economic Dev Corp Solid West	TX	2.950
fidelity investm: 61075TUH9		1,510	Monroe Cnty N Y Indl Dev Corp Rev 2019	NY	5.000
fidelity investm: 6262078F4		1,710	Municipal Elec Auth GA 2021-a	GA	4.000
fidelity investm: 62620HAV4		1,100	Municipal Elec Auth GA 2021-a	GA	4.000
fidelity investm: 650116EX0		1,400	New York Transn Dev Corp Spl Fac Rev 20	NY	4.000
fidelity investm: 74443UBB8		420	Public Fin Auth Wis Sr Living Rev 2017-a	WI	5.250
fidelity investm: 74444VAG5		1,175	Public Fin Auth Wis Retirement Fac Rev 20	WI	5.000
fidelity investm: 791524CE9		4,560	St Louis Cnty MO Indl Dev Auth Sr Living F	MO	5.000
fidelity investm: 791524CN9		2,210	St Louis Cnty MO Indl Dev Auth Sr Living F	MO	5.125
fidelity investm: 88033UE62		3,400	Tender Opt Bd Tr Rcpts / Ctf Var Sts 2017	NA	0.000
+ fidelity investm: 88034MFJ0		1,750	Tender Opt Bd Tr Rcpts / Ctf Var Sts 2018	NA	0.420
fidelity investm: 88034XXV9		5,335	Tender Opt Bd Tr Rcpts / Ctf Var Sts 2021	NA	0.200
fidelity investm: 9397812G4		5,235	Washington St Higher Ed Facs Auth Rev 20	WA	4.000
fidelity investm: 97689QPF7		4,370	Wisconsin Hsg & Economic Dev Auth Home	WI	3.000



EMMA Surveillance searches access to events related to holdings

EMMA Date	Disclosure Event	Disclosure Description
09/14/2022	Rating change	S&P Rating Upgrade
09/14/2022	Rating change	[EMMA Document]
09/14/2022	Rating change	S&P revised outlook to positive from stable and affirmed 'BBB' rating on Series 2016 Revenue Refunding Bonds issued to McDaniel College
09/14/2022	Failure to provide event filing information, Rating change	Moody's rating change - Oregon City School District
09/13/2022	Rating change	Greenville County School District, SC Moody's Assignment September 6, 2022
09/13/2022	Rating change	CoxHealth, MO Fitch Outlook September 6, 2022
09/13/2022	Rating change	Rating Change S&P Downgrade 083122
09/13/2022	Rating change	Moody's Issuing Rating Upgrade
09/13/2022	Rating change	Poors issued a rating change for Springfield School District
09/13/2022	Rating change	Bond Ratings Action (Fitch Upgrade)
09/13/2022	Rating change	Bond Ratings Action (Moody's Upgrade)
09/12/2022	Rating change	Moody's Rating Change
+ 09/12/2022	Rating change	City of San Antonio, Texas c/o San Antonio Water System - Rating Change

Link leads to event document

Holdings impacted by event, by portfolio

CUSIP	Par (\$000)	Holding Description	State	Coupon	Maturity	Mod Dur	Effective Duration	Market Yield	Calc Flag	Market Price
Selected document exposure for 16th Amendment Advisors LLC (Morningstar) - 16th Amendment Long Relative Value										
79642BX99	5	San Antonio Tex Wtr Rev 2016-a	TX	5.000	05/15/2026	3.532	3.562	2.129	m	110.620
79642BY72	10	San Antonio Tex Wtr Rev 2016-a	TX	5.000	05/15/2032	3.517	3.642	2.743	pc	108.240
	15			5.000	05/05/2030	3.522	3.615	2.535		109.033
Selected document exposure for Advisors Asset Management, Inc (Morningstar) - AAM Core Tax Exempt										
79642B3U5	30	San Antonio Tex Wtr Rev 2016-C	TX	5.000	05/15/2030	3.864	3.908	2.019	pc	112.186
79642B3W1	45	San Antonio Tex Wtr Rev 2016-C	TX	5.000	05/15/2032	3.858	3.909	2.215	pc	111.333
79642BU92	10	San Antonio Tex Wtr Rev 2015-B	TX	5.000	05/15/2027	2.602	2.629	1.484	pc	109.570
79642BV34	15	San Antonio Tex Wtr Rev 2015-B	TX	5.000	05/15/2029	2.599	2.627	1.734	pc	108.853
79642BY31	15	San Antonio Tex Wtr Rev 2016-a	TX	5.000	05/15/2028	3.455	3.493	1.780	pc	111.746
79642C005	75	San Antonio 2010 a	TX	2.625	05/01/2024	1.700	1.711	1.412	t	102.096



CreditScope[®] links issues to holdings and provides consistently fielded financials

Credit Sector	Credit Name	City	State	S&P	Moody	Fitch	Fiscal Year End	Par Held
Other Revenue	Arizona State Lottery	Phoenix	AZ					128,425,000
Hospital	Ascension	St Louis	MO	AA+		AA+	06/30/2022	2,526,644,895
Hospital	Atrium Health Charlotte-Mecklenburg Hospital Auth	Charlotte	NC	AA-	Aa3		12/31/2021	924,246,269
Hospital	Atrium Health Wake Forest Baptist	Winston-Salem	NC	AA-	A2		12/31/2021	240,490,000
Multi-Family	Austin Affordable PFC Inc : The Henderson on Rei	Austin	TX					30,000,000
School District	Austin Independent School District	Austin	TX	AA+	Aaa	AA+	06/30/2021	346,414,566
County	Baltimore County				Aaa			
Water / Sewer	Baltimore Wastewater Utility Fund				Aa2			
Water / Sewer	Baltimore Water Utility Fund				Aa2	CE	06/30/2021	429,568,750
Hospital	Banner Health & Subs	Phoenix	AZ	AA-		AA-	12/31/2021	1,625,592,560
Hospital	Baptist Health Care Corporation & Subs	Pensacola	FL	BBB+	Baa2	BBB	09/30/2021	600,730,000
Hospital	Baptist Health South Florida Inc & Affiliates	Coral Gables	FL	AA-	A1		09/30/2021	912,510,030
Tollroad	Bay Area Toll Authority	San Francisco	CA	AA	Aa3	AA	06/30/2021	4,758,053,680
Hospital	Baylor Scott & White Holdings & its Controlled Affili	Dallas	TX	AA-	Aa3	CE	06/30/2021	294,905,000
Life Care	Benedictine Living Community of Shakopee LLC	Shakopee	MN					114,105,000
Hospital	Beverly Community Hospital Association	Montebello	CA	BB			12/31/2021	24,780,000
Other Revenue	Black Belt Energy Gas District : Gas Prepay Reven	Jackson	AL					156,885,000
Other Revenue	Black Belt Energy Gas District : Gas Supply Reven	Jackson	AL					581,565,000
Wholesale Electric	Bonneville Power Administration	Portland	OR	AA-	Aa2	AA	09/30/2021	2,016,174,363
Other Revenue	Bozeman Fiber	Bozeman	MT					58,400,000
Multi-Family	Brevard County Housing Finance Authority : Milleni	Cocoa	FL					28,790,000
School District	Brevard County School Board	Viera	FL				06/30/2021	50,971,325
Other Revenue	Brightline West Passenger Rail Project	Las Vegas	NV					576,100,000
Hospital	Bristol Hospital & Health Care Group	Bristol	CT				09/30/2021	31,790,000
Hospital	Bronson Healthcare Group Inc & Subs	Kalamazoo	MI		A2		12/31/2021	280,525,000

See financial, pension, and demographic data

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