

**Today's Webinar Presentation:** 

# **Bond Market Update: Charter School Sector**

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#### Headlines Impact Tax-Exempt Interest Rates



'Today's mortgage rates rise for 30-year terms'



'Ukraine ends year disappointed by stalemate with Russia'



'Markets 'complacent' about the risks of a Trump win, strategist says'

# **Bloomberg**

**'Markets Want Rate Cuts Faster and Sooner. But Fed Is Pushing Back'** 



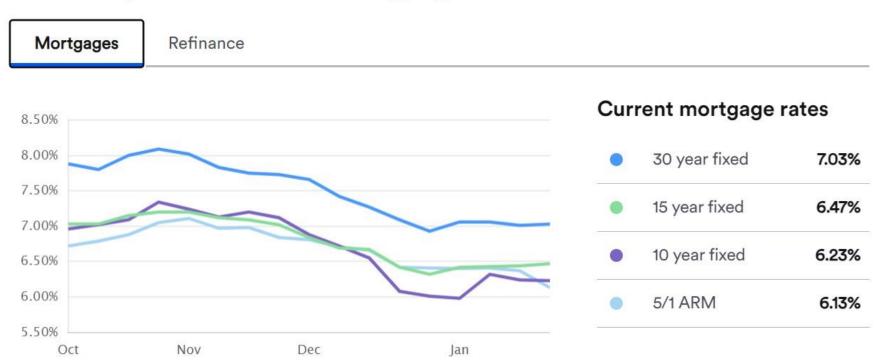
'Investors temper US rate cut bets as fed meeting looms'



### **Bond Market Overview & Interest Rate Discussion**

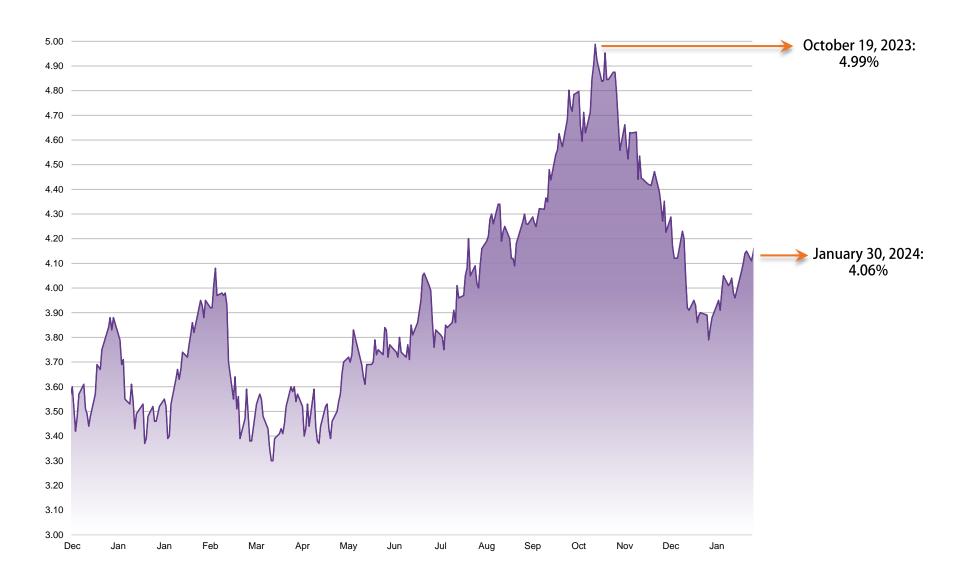
#### Home Mortgage Rates: Last Four Months

## Weekly national mortgage interest rate trends



- Average 30-year rate of 7.03% @ week ending January 26, 2024
- Recent High was 8.09% @ week ending October 27, 2023

## 10-Year Treasury: Last 12 Months

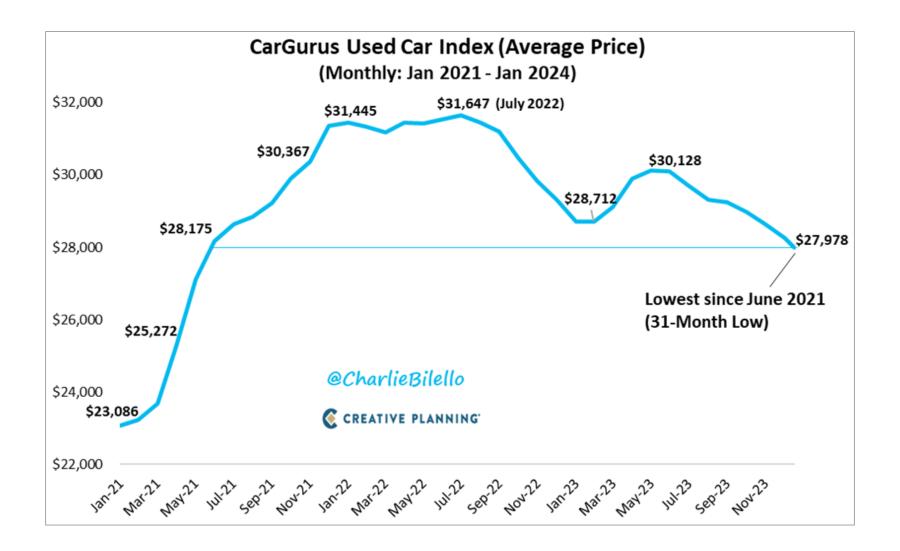


#### **United States M2 Money Supply**

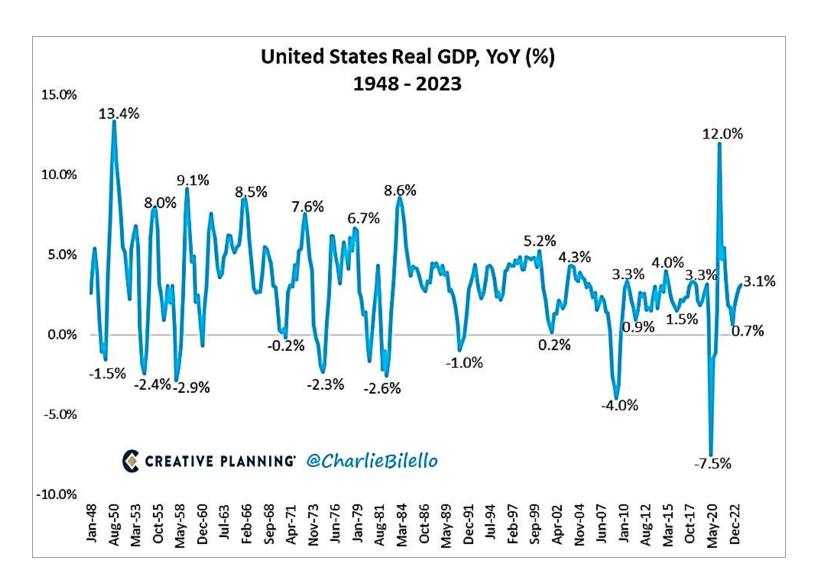
- M2 is the U.S. Federal Reserve's estimate of the total money supply including all of the cash people have on hand plus all of the money deposited in checking accounts, savings accounts, and other short-term saving vehicles such as certificates of deposit (CDs).
- Retirement account balances and time deposits above \$100,000 are omitted from M2.

Year	M2 (\$Bil)		Year	M2 (\$Bil)	/ (1959 - 20 % Change	Year	M2 (\$Bil)	% Change	
1959	298		1981	1,756	10%	2003	6,067	5%	
1960	312	5%	1982	1,906	9%	2004	6,418	6%	
1961	336	7%	1983	2,124	11%	2005	6,682	4%	
1962	363	8%	1984	2,306	9%	2006	7,072	6%	
1963	393	8%	1985	2,492	8%	2007	7,472	6%	
1964	425	8%	1986	2,728	9%	2008	8,192	10%	
1965	459	8%	1987	2,826	4%	2009	8,496	4%	
1966	480	5%	1988	2,988	6%	2010	8,802	4%	
1967	525	9%	1989	3,153	5%	2011	9,660	10%	
1968	567	8%	1990	3,272	4%	2012	10,460	8%	
1969	588	4%	1991	3,372	3%	2013	11,035	5%	
1970	627	7%	1992	3,425	2%	2014	11,685	6%	
1971	710	13%	1993	3,475	1%	2015	12,347	6%	
1972	802	13%	1994	3,486	0.3%	2016	13,213	7%	
1973	856	7%	1995	3,630	4%	2017	13,858	5%	
1974	902	5%	1996	3,819	5%	2018	14,363	4%	
1975	1,016	13%	1997	4,033	6%	2019	15,321	7%	
1976	1,152	13%	1998	4,375	8%	2020	19,114	25%	
1977	1,270	10%	1999	4,638	6%	2021	21,550	12%	
1978	1,366	8%	2000	4,925	6%	2022	21,358	-1%	
1979	1,474	8%	2001	5,434	10%	2023	20,865	-2%	
1980	1,600	9%	2002	5,772	6%	Chapter	CALL TO SEC.		
CREATIVE PLANNING			@CharlieBilello			Data Source: FRED (as of December 2023)			

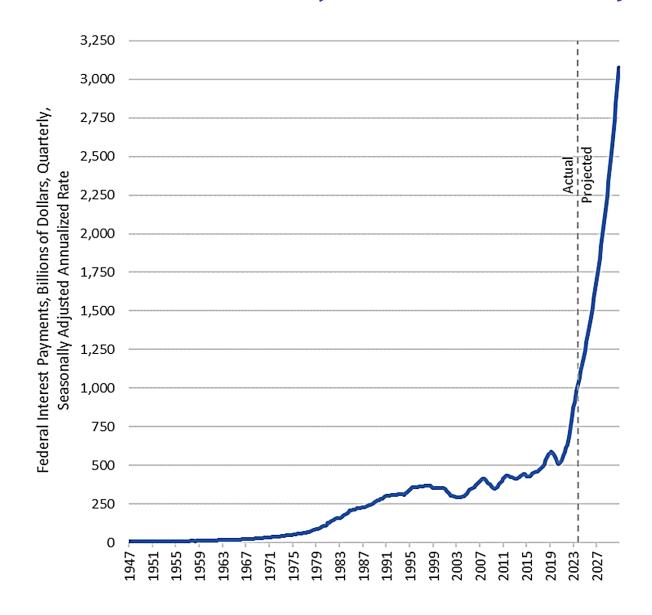
#### **Used Car Prices: 2021 - 2023**



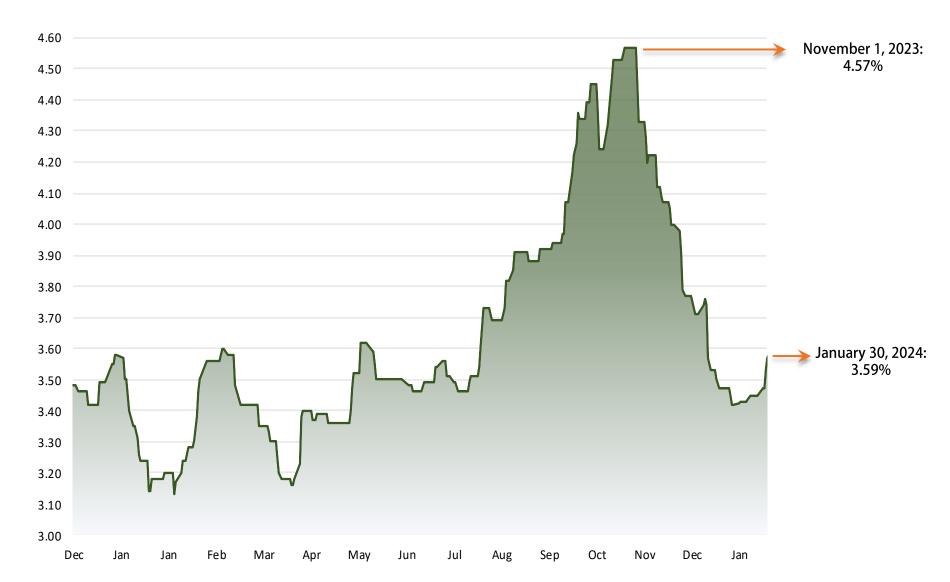
#### United States GDP: Grew at 3.1% Rate in Q4



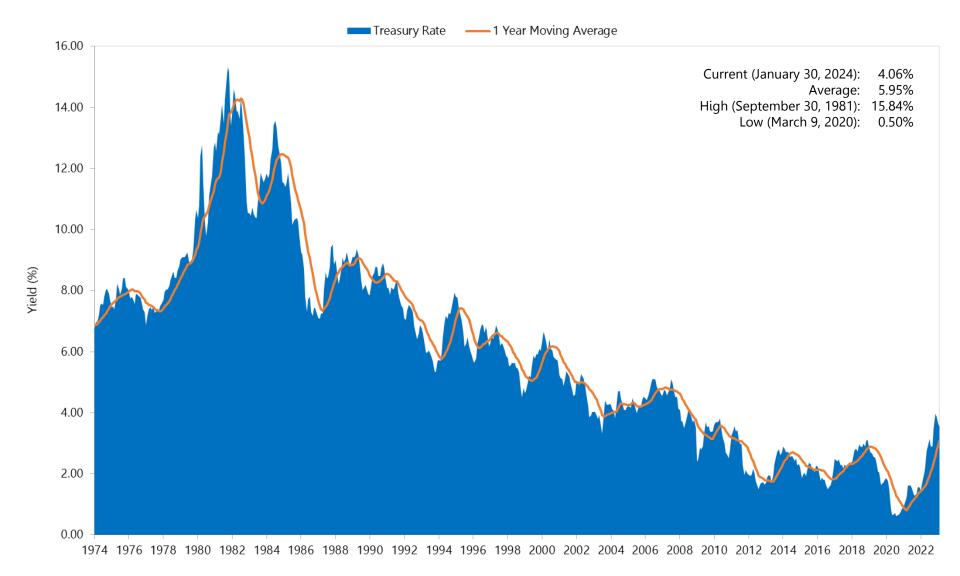
#### The Federal Debt Interest Payments: Actual & Projected



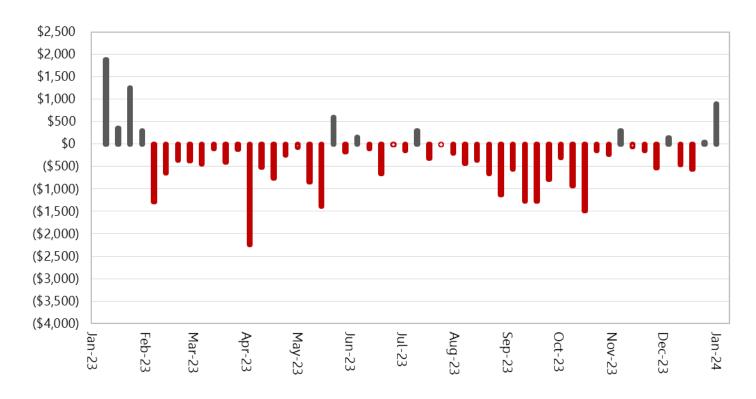
### 30-Year MMD (Last 12 Months)



### 10-Year Treasury (1974-2024)



#### **Municipal Bond Fund Flows**



- Muni funds have seen \$16.514 billion net outflows over the past 12 months.
- For the week ending January 19, 2024, municipal bond funds saw \$897 million of inflows.
- In 2024, there has been 2 weeks of inflows and 1 week of outflows. In 2023, there were 11 weeks of inflows and 41 weeks of outflows. In 2022, there were 5 week of inflows and 47 weeks of outflows.
- From a borrower's perspective, fund inflows mean that bond funds have more cash that they need to put to work. This may result in potential investors being more aggressive in terms of pricing and/or covenants.

### Powell Speaks After First U.S. Fed Policy Meeting of 2024

"Based on the meeting today, I would tell you that I don't think it's likely that the committee will reach a level of confidence by the time of the March meeting to identify March as the time to [cut interest rates]. But that's to be seen."

"We need some confirmation that inflation is in fact coming down... we're encouraged by the progress, but we're not declaring victory at this point. We think we have a ways to go."

"We do expect growth to moderate as supply chain and labor market stabilization runs its course. The labor market is rebalancing."

### Fed Meeting: January 31, 2024





## **Charter School Bond Market Update**

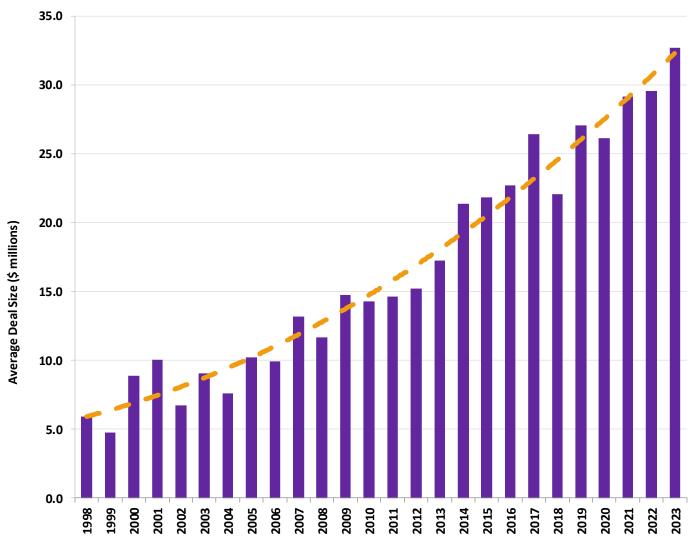
## **Charter School Bond Financings By Year**

Year	Par \$ million	# Bond Issues	Investment Grade Par \$ million	Investment Grade Par as % Total	Total Borrowers	
1998	35.40	6	20.10	56.70%	6	
1999	104.30	22	28.20	27.00%	22	
2000	204.60	23	150.90	73.70%	23	
2001	291.90	29	120.20	41.20%	28	
2002	174.90	26	81.80	46.80%	26	
2003	281.10	31	176.10	62.70%	31	
2004	303.70	40	195.80	64.50%	40	
2005	418.00	41	198.00	47.40%	41	
2006	555.30	56	258.60	46.60%	56	
2007	1,014.60	77	533.80	52.60%	76	
2008	420.50	36	181.10	43.10%	36	
2009	325.00	22	252.00	77.50%	22	
2010	1,000.40	70	787.90	78.80%	69	
2011	806.00	55	498.70	61.90%	55	
2012	1,097.20	72	523.20	47.70%	70	
2013	1,256.80	73	493.70	39.30%	72	
2014	1,792.40	84	817.30	45.60%	82	
2015	1,899.10	87	714.30	37.60%	84	
2016	2,607.90	115	903.00	34.60%	112	
2017	3,059.20	116	953.20	31.20%	111	
2018	2,140.50	98	398.90	18.60%	95	
2019	3,411.43	116	1,325.90	38.87%	115	
2020	3,659.82	140	1,200.96	32.81%	138	
2021	5,420.12	186	2,117.35	39.06%	182	
2022	4,813.44	163	2,217.21	46.06%	157	
2023	3,009.02	92	755.51	25.11%	91	
TOTAL	\$40,102.63	1,876	\$15,903.72	39.66%	1,840	

### **Charter School Average Transaction Size**

#### Average Size of Financings by Year 1998 - 2023

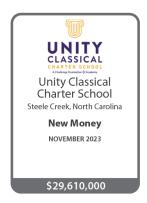
Year	Average Deal Size \$ million				
1998	\$5.9				
1999	\$4.7				
2000	\$8.9				
2001	\$10.1				
2002	\$6.7				
2003	\$9.1				
2004	\$7.6				
2005	\$10.2				
2006	\$9.9				
2007	\$13.2				
2008	\$11.7				
2009	\$14.8				
2010	\$14.3				
2011	\$14.7				
2012	\$15.2				
2013	\$17.2				
2014	\$21.3				
2015	\$21.8				
2016	\$22.7				
2017	\$26.4				
2018	\$22.1				
2019	\$27.0				
2020	\$26.1				
2021	\$29.1				
2022	\$29.5				
2023	\$32.7				
AVG (All Years)	\$21.2				



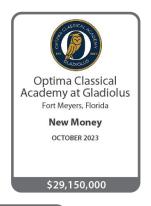
#### **Recent Ziegler Pricings**

Sale Date	ST	Borrower	Rating (M/S/F)	Issue Size (\$MM)	Final Coupon	Final Yield	Yield Spread to MMD	Par Call
12/19/23	MI	Ivywood Classical Academy	NR / NR / NR	\$24.400	6.250%	6.375%	2.875%	1/1/2031
11/15/23	NC	Unity Classical Charter School	NR / NR / NR	\$29.610	7.000%	6.940%	2.820%	7/1/2030
11/03/23	FL	Global Outreach Charter Academy	NR / NR / NR	\$24.455	7.500%	7.500%	4.180%	6/1/2031
10/26/23	FL	Optima Classical Academy at Gladiolus	NR / NR / NR	\$29.150	7.750%	7.750%	3.180%	12/1/2030
10/19/23	PA	Lehigh Valley Dual Language Charter School	Ba1 / NR / NR	\$8.300	7.000%	7.150%	2.620%	06/01/2030
08/24/23	SC	Global Academy of South Carolina	NR / NR / NR	\$30.370	7.500%	7.500%	4.550%	06/01/2031
08/15/23	AZ	American Leadership Academy Inc	NR / NR / NR	\$141.505	5.750%	6.000%	2.290%	06/15/2030















### Case Study: Global Academy of South Carolina

#### \$30,370,000 Series 2023 Bonds | August 2023

- Acquired Upward Star Center Facilities to operate a new public charter school for K-8 students
- Commenced in the 2023-24 school year with 280 students in grades K-5; aims to expand to 1,260 students in grades K-8 by the 2024-25 school year
- Series 2023 bond proceeds used to acquire and retrofit the campus for use as a charter school; additional renovations will be completed to increase the facility capacity from 280 to 1,260 students
- Nonrated bonds, issued via South Carolina Jobs Economic Development Authority, with a 10-year final maturity and a 32-year amortization
- Bonds placed with a specialty investor with credit enhancement from Building Hope Finance







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