

PURPOSE

Analyze and track specific risk metrics associated with your portfolio or watch list in a simple grid view. Accessible in Portfolio View.

HOW TO USE THIS FEATURE

- Add/remove columns by clicking the Columns button. **A**
- Customize your view by dragging/dropping column headers in your preferred order.
- Stratify your portfolio by grouping criteria. Drag/drop one or more column headers to Portfolio Items Bar. **B**
- Sort columns in ascending/descending order within groupings **C** by clicking on column headers.
- Click on a CUSIP to jump to the **Obligor View** and begin deep dive analysis. **D**
- Toggle to Heatmap, Summary or Scatter Plot Views for further portfolio-level analysis. **E**
- Click the Filters button to drill into credits with specific attributes **F**, e.g., set a minimum and maximum for e.g., Days Cash on Hand. See the Managing Filters User Guide for more details on filters.

QUICK TIPS

Add a Security to the Grid

Click the plus button (not pictured), enter CUSIP and % weight. **A**

Search for a Single Security

Use the Search Bar on the top left to look up a single CUSIP as an alternative to uploading a portfolio. **F**

View Security Master Details

The application offers multiple credit metrics to organize your view by. For full security master details, click the Columns button or see our Data Guide at www.munirisk.com/application-user-guides.

Another Way to Columns Menu

While under the Settings Menu, you'll see an alternate way to access columns visibility for the Grid View.

The screenshot shows the MUNIRISK application interface. At the top, there's a navigation bar with 'Portfolio', 'Obligor', 'Markets', and 'Peer' tabs. A search bar is on the left. The main area displays a table of securities. A 'Columns' button (A) is in the top right. A 'Filters' button (F) is on the far right. A 'Columns Visibility' dialog box (A) is open, showing a list of columns with checkboxes for visibility. A mouse cursor is hovering over the 'Bloomberg Sector' checkbox. A 'Portfolio Items' bar (B) is at the top of the table. A 'View' menu (E) is on the left, with 'Grid' selected. A 'Higher Education' section (D) is visible below the main table.

CUSIP	Position	% Weight	Full Name	Bloomberg Sector	Obligor Name	Next Call Date	Primary State	S&P Rating	BBG Composite Rating	Last Price	Net YTW	Net YTM	Mid Mod. Duration	Bond Security
167593R09 Muni	14,000,000	3.18182 %	CHITRN 5 1/1/2030, 167593R09	Airport	Chicago O'Hare International Airport	1/1/2025	IL	A	A	\$113.79	2.92	3.61	6.274	PRT, AIRPRT & MARINA REV.
592646NX7 Muni	10,000,000	2.27273 %	METAPT 5 10/1/2035, 592646NX7	Airport	Metropolitan Washington Airports Authority	-	DC	AA-	AA-	-	-	-	-	PRT, AIRPRT & MARINA REV.
79765AT7 Muni	8,000,000	1.81818 %	SFOAPT 3.75 5/1/2022, 79765AT7	Airport	San Francisco City & County Airport Comm-San Franc	5/1/2016	CA	AA	A+	\$103.70	0.89	4.87	0.750	PRT, AIRPRT & MARINA REV.
71781TQ06 Muni	2,000,000	0.45455 %	PHAPT 4.625 6/15/2028, 71781TQ06	Airport	City of Philadelphia PA Airport Revenue	6/15/2021	PA	A	A	\$107.49	2.59	3.78	3.554	PRT, AIRPRT & MARINA REV.
01728LCT7 Muni	3,000,000	0.68182 %	ALLAPT 5 1/1/2023, 01728LCT7	Airport	Allegheny County Airport Authority	-	PA	NR	A-	\$113.99	2.25	2.25	4.803	PRT, AIRPRT & MARINA REV.