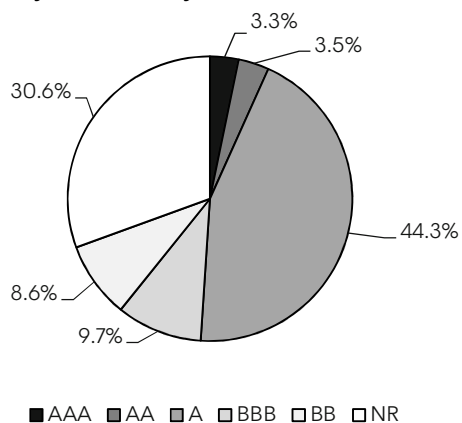


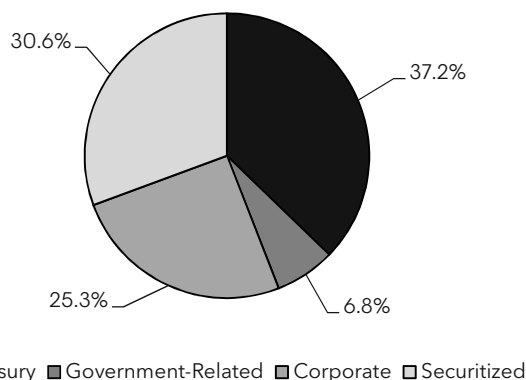
Bloomberg Barclays MSCI US Aggregate ESG Choice Bond Index

The Bloomberg Barclays MSCI US Aggregate ESG Choice Bond Index measures investment grade, fixed-rate, taxable US dollar-denominated bonds eligible for the Bloomberg Barclays US Aggregate Bond Index with strong positive environmental, social and governance (MSCI ESG) ratings. In addition, the index utilizes MSCI Business Involvement Screening Research (BISR) and MSCI ESG Controversies to identify and remove issuers from the Bloomberg Barclays US Aggregate Bond Index that may be involved in business lines or activities that are in conflict with investment policies, values, or social norms. Lastly, Treasury, Government-Related, Corporate, and Securitized sectors are weighted to match the individual sector exposures of the Bloomberg Barclays US Aggregate Bond Index. The index was launched in January 2018, with history available back to January 2008.

Composition by ESG Quality (MV %) - March 29, 2018



Composition by Sector (MV %) - March 29, 2018



Rules for Inclusion

Sector	Treasury, Government-Related, Corporate, and Securitized bonds are included.	
ESG Rating	Only issuers with MSCI ESG Ratings greater than or equal to BB are included.	
ESG Controversies	Excludes all issuers involved in one or more very severe ESG Controversies (MSCI ESG Controversy Score < 1).	
Business Involvement Screening	Adult Entertainment	Excludes all issuers classified as adult entertainment producers that earn more than 5% in revenue, or more than \$500 million in revenue, from adult entertainment materials.
	Alcohol	Excludes all issuers classified as alcohol producers that earn more than 5% in revenue, or more than \$500 million in revenue, from alcohol-related products.
	Gambling	Excludes all issuers classified as involved in gambling operations or support that earn more than 5% in revenue, or more than \$500 million in revenue, from gambling-related activities.
	Tobacco	Excludes all issuers classified as tobacco producers or distributors, retailers, or suppliers that derive 15% or more of their revenue from tobacco-related products.

Rules for Inclusion

Business Involvement Screening	Military Weapons	<ul style="list-style-type: none"> Excludes all issuers classified as involved in manufacturing of nuclear weapons, nuclear weapons components, chemical and biological weapons components, or depleted uranium weapons. Excludes all issuers that earn more than 5% in revenue, or more than \$500 million, from manufacturing conventional weapons, conventional weapons components, or conventional weapons support systems and services.
	Civilian Firearms	Excludes all issuers classified as civilian firearms producers or retailers that derive 5% or more of their revenue, or more than \$20 million in revenue, from civilian firearms-related products.
	Nuclear Power	<ul style="list-style-type: none"> Excludes all issuers classified as nuclear utilities. Excludes all issuers involved in uranium mining, designing nuclear reactors, or enrichment of fuel for nuclear reactors. Excludes all issuers that earn 15% or more revenues as a supplier to the nuclear power industry.
	Genetically Modified Organisms	<ul style="list-style-type: none"> Excludes all issuers that derive any revenue from activities like genetically modifying plants, such as seeds and crops, and other organisms intended for agricultural use or human consumption. Issuers involved only in GMO research and development activities are not excluded.

Eligible Currencies Principal and interest must be denominated in USD.

Quality Securities must be rated investment grade (Baa3/BBB-/BBB- or higher) using the middle rating of Moody's, S&P and Fitch; when a rating from only two agencies is available, the lower is used; when only one agency rates a bond, that rating is used. In cases where explicit bond level ratings may not be available, other sources may be used to classify securities by credit quality:

- Local currency treasury and hard currency sovereign issues are classified using the middle issuer level rating from each agency for all outstanding bonds, even if bond level ratings are available.
- Expected ratings at issuance may be used to ensure timely index inclusion or to properly classify split-rated issuers.
- Unrated securities may use an issuer rating for index classification purposes if available. Unrated subordinated securities are included if a subordinated issuer rating is available.

Amount Outstanding

- For Treasury, government-related and corporate securities, USD300mn minimum par amount outstanding.
- For MBS pass-throughs, pool aggregates must have USD1bn par amount outstanding.
- For ABS, USD500mn minimum deal size and USD25mn minimum tranche size.
- For CMBS, USD500mn minimum deal size with at least USD300mn amount outstanding remaining in the deal and USD25mn minimum tranche size.
- US Treasuries held in the Federal Reserve SOMA account (both purchases at issuance and net secondary market transactions) are deducted from the total amount outstanding. New issuance bought at auction by the Federal Reserve does not enter the index. Net secondary market purchases/sales are adjusted at each month-end with a one-month lag.

The minimum amount outstanding for US Aggregate Indices was raised to USD300mn from USD250mn for Treasury, Government-Related and Corporate securities as of April 1, 2017. Hybrid ARMs were removed as of June 1, 2017.

Coupon

- Fixed-rate coupon.
- Callable fixed-to-floating rate bonds are eligible during their fixed-rate term only.
- Bonds with a step-up coupon that changes according to a predetermined schedule are eligible.
- Hybrid ARMs are index-eligible during their fixed term, but exit one year prior to their conversion to adjustable rate.

Hybrid ARMs were removed as of June 1, 2017.

Rules for Inclusion

Maturity

- At least one year until final maturity, regardless of optionality.
- CMBS and ABS must have a remaining average life of at least one year.
- Bonds that convert from fixed to floating rate, including fixed-to-float perpetual, will exit the index one year prior to conversion to floating-rate. Fixed-rate perpetual bonds are not included.
- Sub-indices based on maturity are inclusive of lower bounds. Intermediate maturity bands include bonds with maturities of 1 to 9.999 years. Long maturity bands include maturities of 10 years or greater.

Taxability

- Only fully taxable issues are eligible.
- Build America Bonds (BAB) with the tax credit to the issuer are eligible; those with tax credits issued to investors are considered tax exempt.
- Dividend Received Deduction (DRD) and Qualified Dividend Income (QDI) eligible securities are excluded.

Market of Issue

- SEC-registered securities, bonds exempt from registration at the time of issuance and SEC Rule 144A securities with registration rights are eligible. A security with both SEC Regulation-S (Reg-S) and SEC Rule 144A tranches is treated as one security for index purposes. The 144A tranche is used to prevent double-counting and represents the combined amount outstanding of the 144A and Reg-S tranches.
- Global bonds are included.
- Bonds that were previously SEC-registered or 144A with registration rights but later deregistered by the issuer remain index eligible.

Security Types

Included	Excluded
<ul style="list-style-type: none"> • Bullet, putable, sinkable/amortizing and callable bonds • Taxable municipal securities, including Build America Bonds (BAB) • Senior and subordinated issues • Original issue zero coupon and underwritten MTN • Enhanced equipment trust certificates (EETC) • Certificates of deposit • Fixed-rate and fixed-to-float (including fixed-to-variable) capital securities • Covered bonds (as of January 1, 2011) • US agency CMBS (as of July 1, 2014) 	<ul style="list-style-type: none"> • Issuers with ESG Ratings below BB • Bonds with very severe ESG Controversies • Issuers that do not meet SRI (Socially Responsible Index) business involvement screening thresholds • Contingent capital securities, including traditional CoCos and contingent write-down securities • Bonds with equity type features (e.g., warrants, convertibles, preferreds, DRD/QDI-eligible issues) • Tax-exempt municipal securities • Inflation-linked bonds, floating-rate issues • Private placements, retail bonds • USD25/USD50 par bonds • Structured notes, pass-through certificates • Non-ERISA eligible CMBS issues • Hybrid ARMs (as of June 1, 2017) • CMBS A1A tranches (as of January 1, 2011) • Structured notes, pass-through certificates • Formosa Bonds • Illiquid securities with no available internal or third-party pricing source

Rebalancing Rules

Frequency

For each index, Bloomberg maintains two universes of securities: the Returns (Backward) and the Projected (Forward) Universes. The composition of the Returns Universe is rebalanced at each month-end and represents the fixed set of bonds on which index returns are calculated for the next month. The Projected Universe is a forward-looking projection that changes daily to reflect issues dropping out of and entering the index but is not used for return calculations. On the last business day of the month (the rebalancing date), the composition of the latest Projected Universe becomes the Returns Universe for the following month

April 2, 2018

Rebalancing Rules

Index Changes	During the month, indicative changes to securities (credit rating change, sector reclassification, amount outstanding changes, corporate actions, and ticker changes) are reflected daily in the Projected and Returns Universe of the index. These changes may cause bonds to enter or fall out of the Projected Universe of the index on a daily basis, but will affect the composition of the Returns Universe at month-end only, when the index is next rebalanced.
Reinvestment of Cash Flows	Intra-month cash flows from interest and principal payments contribute to monthly index returns but are not reinvested at a short-term reinvestment rate between rebalance dates. At each rebalancing, cash is effectively reinvested into the Returns Universe for the following month so that index results over two or more months reflect monthly compounding.
New Issues	Qualifying securities issued, but not necessarily settled on or before the month-end rebalancing date, qualify for inclusion in the following month's index if the required security reference information and pricing are readily available.
Sector Neutrality	The application of screens based on ESG Rating, ESG Controversy, and Business Involvement Screening Research will alter the sector composition of the index versus the standard US Aggregate Bond Index. Sector weights are therefore adjusted to match the Class 1 (Treasury, Government-Related, Corporate, and Securitized) weights of the broad US Aggregate Bond Index. These sector weights are fixed as of month end, and may drift intra-month as prices change and bonds are called or tendered.

Pricing and Related Issues

Sources & Frequency	<ul style="list-style-type: none">• All bonds in the index are priced daily using Bloomberg's evaluated pricing service, BVAL.• MBS generics are priced daily based on a weighted average price of underlying pools. The pools are priced by BVAL on a same-day settlement basis.
Pricing Quotes	Bonds can be quoted in a variety of ways, including nominal spreads over benchmark securities/treasuries, spreads over swap curves, or direct price quotes as a percentage of par. For securities quoted on a spread basis, daily security price changes will result from movements in the underlying curve (swap or treasury) and/or changes in the quoted spread.
Timing	<ul style="list-style-type: none">• 3pm (New York time) for all securities except taxable municipal bonds which use 4pm (New York time).• On early market closes, prices are taken as of 1pm (New York time), unless otherwise noted.• If the last business day of the month is a public holiday, prices from the previous business day are used.
Bid or Offer Side	Bonds in the index are priced on the bid side. The initial price for new corporate issues entering the index is the offer side; after the first month, the bid price is used.
Settlement Assumptions	T+1 calendar day settlement basis for all bonds except MBS, which use same-day settlement. At month-end, settlement is assumed to be the first calendar day of the following month, even if the last business day is not the last day of the month, to allow for one full month of accrued interest to be calculated.
Verification	Daily price moves for each security are analyzed by the index pricing team to identify outliers. Index users may also challenge price levels, which are then reviewed and updated as needed using input from various sources.
Currency Hedging	Returns hedged to various non-USD currencies are published for the US Aggregate ESG Choice Bond Index. The indices' FX hedging methodology takes rolling one-month forward contracts that are reset at the end of each month and hedges each non-reporting currency-denominated bond in the index into the reporting currency terms. No adjustment is made to the hedge during the month to account for price movements of constituent securities in the Returns Universe of the index.
Calendar	The US Aggregate ESG Choice Bond Index follows the US bond market holiday schedule.

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Monthly Returns in USD, 2013-2018(%)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2013	-0.72	0.46	0.09	1.05	-1.79	-1.59	0.14	-0.54	1.00	0.83	-0.40	-0.54	-2.06
2014	1.44	0.55	-0.16	0.85	1.13	0.04	-0.25	1.08	-0.66	0.97	0.71	0.07	5.90
2015	2.05	-0.92	0.48	-0.34	-0.22	-1.07	0.69	-0.12	0.70	0.01	-0.23	-0.29	0.69
2016	1.37	0.64	0.91	0.37	0.01	1.76	0.59	-0.11	-0.03	-0.76	-2.33	0.13	2.52
2017	0.18	0.64	-0.04	0.77	0.75	-0.12	0.42	0.87	-0.46	0.06	-0.13	0.43	3.41
2018	-1.15	-0.91	0.64	-	-	-	-	-	-	-	-	-	-1.42

Accessing Index Data

Bloomberg Professional® service	<p>Bloomberg benchmarks are the global standard for capital markets investors.</p> <ul style="list-style-type: none"> INDEX<Go> - The Bloomberg Indices landing page is a dashboard for index-related information on the terminal. Find daily and monthly index returns for key indices from each index family as well as index publications including methodologies, factsheets, monthly reports, updates and alerts. IN<Go> - The Bloomberg Index Browser displays the latest performance results and statistics for the indices as well as history. IN presents the indices that make up Bloomberg's global, multi-asset class index families into a hierarchical view, facilitating navigation and comparisons. The "My Indices" tab allows a user to focus on a set of favorite indices. PORT<Go> - Bloomberg's Portfolio & Risk Analytics solution includes tools to analyze the risk, return, and current structure of indices. Analyze the performance of a portfolio versus a benchmark or use models for performance attribution, tracking error analysis, value-at-risk, scenario analysis, and optimization. DES<Go> - The index description page provides transparency into an individual index including membership information, aggregated characteristics and returns, and historical performance.
Bloomberg Indices Website (www.bloombergindeces.com)	<p>The index website makes available limited index information including:</p> <ul style="list-style-type: none"> Index methodology and factsheets Current performance numbers for select indices
Data Distribution	<p>Index subscribers may choose to receive index data in files. Files may include:</p> <ul style="list-style-type: none"> Index level and/or constituent level returns and characteristics for any indices Automatic delivery of files via email or SFTP following the completion of the index production process after market close Clients may receive standard files or may customize file contents Index data is also available via authorized redistributors

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