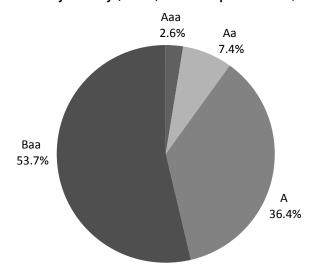
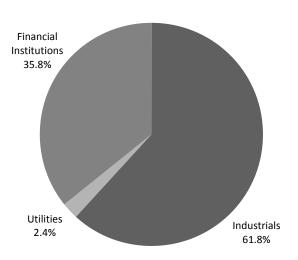
Bloomberg Barclays MSCI US Corporate SRI Index

The Bloomberg Barclays MSCI US Corporate SRI Bond Index is a fixed-rate, investment-grade corporate bond benchmark that follows the rules of the Bloomberg Barclays US Aggregate Corporate Index and applies additional sector and ESG criteria for security eligibility. The index negatively screens issuers that are involved in business activities that are restricted because they are inconsistent with certain values-based business involvement criteria. In addition, issuers with a "red" MSCI ESG Controversies Score are excluded. The index was created in May 2013 with history backfilled to January 2007.

Composition by Quality (MV%) - as of September 29, 2017

Composition by Sector (MV%)- as of September 29, 2017





Rules for Inclusion

Sector	Corporate (industrial, utility and financial institutions) issuers only.								
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:								
	• 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	USD 300mn minimum par amount outstanding.								
Coupon	Fixed-rate coupon.								
	Original zero coupon issues are included.								
	Callable fixed-to-floating rate bonds are eligible during their fixed-rate term only.								
	 Step-up coupons and those that change according to a predetermined schedule are also eligible. 								







November 1, 2017

Maturity	 Securities must have remaining time to maturity of at least one year, regardless of optionality. Bonds that convert from fixed to floating rate, including fixed-to-float perpetual, will exit the index one month prior to conversion to floating-rate. Fixed-rate perpetual bonds are not included. 								
Seniority of Debt	Senior and subordinated issues are included.								
Market of Issue	et of Issue Fully taxable, publicly issued in the global and regional markets.								
Security Types	Included	Excluded							
	 Bullet, putable, sinkable/amortizing and callable bonds 	Treasury, government related and securitized bondsFloating-rate bonds, inflation-linked bonds							

Environment, Social, and Governance (ESG) Rules

Business Involvement Screens	The index excludes issuers involved in the following business lines/activities as per the standard Barclays MSCI SRI
	screen:

- Alcohol
- Tobacco
- Gambling
- Adult Entertainment
- Genetically Modified organisms (GMO)
- Nuclear Power
- Civilian Firearms
- Military Weapons
 - o Landmine Manufacturing

Fixed-rate and fixed-to-floating capital securities

- o Cluster Bomb Manufacturing
- o Depleted Uranium Weapons
- o Chemical and Biological Weapons Components

Involvement is defined for each restricted activity and may be based on % of revenue, total revenue, or any tie regardless of revenue.

MSCI ESG Controversies Screens

Excludes any issuer with a "Red" MSCI ESG Controversies score (less than 1), which measures an issuer's involvement in major ESG controversies and how well they adhere to international norms and principles.

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. 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.

Index Changes

During the month, indicative changes to securities (credit rating change, sector reclassification, amount outstanding changes, corporate actions, ticker changes, etc.) are reflected daily in both the Statistics and Returns Universes of the index. These changes may cause bonds to enter or fall out of the Statistics 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.

Private placements and retail bonds

Rebalancing Rules

New	Issues

Calendar

Qualifying securities issued/announced, but not necessarily settled, on or before the month-end rebalancing date, qualify for inclusion in the following month's index if required security reference information and pricing are readily available.

Pricing and Related Issues

All index-eligible bonds are priced on a daily basis by Bloomberg's evaluated pricing service, BVAL. Sources & Frequency Bonds can be quoted in a variety of ways, including nominal spreads over benchmark securities/treasuries, or **Pricing Quotes** 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 treasury curve and/or changes in the quoted spread. Prices from third-party sources are quoted as a percentage of par. **Timing** 3pm (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. Bonds in the index are priced on the bid side. The initial price for new issues entering the index is the offer side; Bid or Offer Side after the first month, the bid price is used. **Settlement Assumptions** T+1 calendar day settlement basis. 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. Daily price moves for each security are analyzed by the index pricing team. Index users may also challenge price Verification levels, which are then reviewed and updated as needed.

The US Corporate SRI Index follows the US bond market holiday schedule.

Monthly Returns in USD Unhedged, 2007-2017 (%)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
0.02	2.05	-0.57	0.74	-0.99	-0.50	0.17	0.78	0.81	1.16	0.51	0.16	4.38
0.96	0.07	-1.36	1.08	-0.93	-0.73	-0.83	0.67	-7.93	-6.55	3.83	6.79	-5.64
0.63	-2.09	-0.54	3.61	4.01	2.79	4.35	1.86	1.79	0.70	1.47	-0.69	19.19
1.65	0.33	0.33	1.77	-0.58	2.05	2.00	1.95	0.76	0.16	-0.82	-0.91	8.97
0.28	0.77	-0.12	1.72	1.39	-0.86	2.46	-0.08	0.08	1.88	-2.07	2.10	7.72
2.32	0.87	-0.92	1.34	0.65	0.39	2.84	0.26	0.81	1.31	-0.16	0.01	10.12
-0.86	0.74	0.06	1.78	-2.24	-2.72	0.82	-0.67	0.72	1.47	-0.18	-0.15	-1.33
1.75	1.05	0.07	1.18	1.37	0.08	-0.06	1.37	-1.39	0.96	0.68	-0.04	7.20
2.89	-0.95	0.35	-0.69	-0.56	-1.80	0.67	-0.58	0.69	0.43	-0.15	-0.76	-0.54
0.28	0.57	2.79	1.34	-0.06	2.17	1.39	0.25	-0.21	-0.74	-2.58	0.67	5.91
0.28	1.11	-0.18	1.07	1.14	0.28	0.73	0.72	-0.14	_	_	_	5.11
	0.02 0.96 0.63 1.65 0.28 2.32 -0.86 1.75 2.89 0.28	0.02 2.05 0.96 0.07 0.63 -2.09 1.65 0.33 0.28 0.77 2.32 0.87 -0.86 0.74 1.75 1.05 2.89 -0.95 0.28 0.57	0.02 2.05 -0.57 0.96 0.07 -1.36 0.63 -2.09 -0.54 1.65 0.33 0.33 0.28 0.77 -0.12 2.32 0.87 -0.92 -0.86 0.74 0.06 1.75 1.05 0.07 2.89 -0.95 0.35 0.28 0.57 2.79	0.02 2.05 -0.57 0.74 0.96 0.07 -1.36 1.08 0.63 -2.09 -0.54 3.61 1.65 0.33 0.33 1.77 0.28 0.77 -0.12 1.72 2.32 0.87 -0.92 1.34 -0.86 0.74 0.06 1.78 1.75 1.05 0.07 1.18 2.89 -0.95 0.35 -0.69 0.28 0.57 2.79 1.34	0.02 2.05 -0.57 0.74 -0.99 0.96 0.07 -1.36 1.08 -0.93 0.63 -2.09 -0.54 3.61 4.01 1.65 0.33 0.33 1.77 -0.58 0.28 0.77 -0.12 1.72 1.39 2.32 0.87 -0.92 1.34 0.65 -0.86 0.74 0.06 1.78 -2.24 1.75 1.05 0.07 1.18 1.37 2.89 -0.95 0.35 -0.69 -0.56 0.28 0.57 2.79 1.34 -0.06	0.02 2.05 -0.57 0.74 -0.99 -0.50 0.96 0.07 -1.36 1.08 -0.93 -0.73 0.63 -2.09 -0.54 3.61 4.01 2.79 1.65 0.33 0.33 1.77 -0.58 2.05 0.28 0.77 -0.12 1.72 1.39 -0.86 2.32 0.87 -0.92 1.34 0.65 0.39 -0.86 0.74 0.06 1.78 -2.24 -2.72 1.75 1.05 0.07 1.18 1.37 0.08 2.89 -0.95 0.35 -0.69 -0.56 -1.80 0.28 0.57 2.79 1.34 -0.06 2.17	0.02 2.05 -0.57 0.74 -0.99 -0.50 0.17 0.96 0.07 -1.36 1.08 -0.93 -0.73 -0.83 0.63 -2.09 -0.54 3.61 4.01 2.79 4.35 1.65 0.33 0.33 1.77 -0.58 2.05 2.00 0.28 0.77 -0.12 1.72 1.39 -0.86 2.46 2.32 0.87 -0.92 1.34 0.65 0.39 2.84 -0.86 0.74 0.06 1.78 -2.24 -2.72 0.82 1.75 1.05 0.07 1.18 1.37 0.08 -0.06 2.89 -0.95 0.35 -0.69 -0.56 -1.80 0.67 0.28 0.57 2.79 1.34 -0.06 2.17 1.39	0.02 2.05 -0.57 0.74 -0.99 -0.50 0.17 0.78 0.96 0.07 -1.36 1.08 -0.93 -0.73 -0.83 0.67 0.63 -2.09 -0.54 3.61 4.01 2.79 4.35 1.86 1.65 0.33 0.33 1.77 -0.58 2.05 2.00 1.95 0.28 0.77 -0.12 1.72 1.39 -0.86 2.46 -0.08 2.32 0.87 -0.92 1.34 0.65 0.39 2.84 0.26 -0.86 0.74 0.06 1.78 -2.24 -2.72 0.82 -0.67 1.75 1.05 0.07 1.18 1.37 0.08 -0.06 1.37 2.89 -0.95 0.35 -0.69 -0.56 -1.80 0.67 -0.58 0.28 0.57 2.79 1.34 -0.06 2.17 1.39 0.25	0.02 2.05 -0.57 0.74 -0.99 -0.50 0.17 0.78 0.81 0.96 0.07 -1.36 1.08 -0.93 -0.73 -0.83 0.67 -7.93 0.63 -2.09 -0.54 3.61 4.01 2.79 4.35 1.86 1.79 1.65 0.33 0.33 1.77 -0.58 2.05 2.00 1.95 0.76 0.28 0.77 -0.12 1.72 1.39 -0.86 2.46 -0.08 0.08 2.32 0.87 -0.92 1.34 0.65 0.39 2.84 0.26 0.81 -0.86 0.74 0.06 1.78 -2.24 -2.72 0.82 -0.67 0.72 1.75 1.05 0.07 1.18 1.37 0.08 -0.06 1.37 -1.39 2.89 -0.95 0.35 -0.69 -0.56 -1.80 0.67 -0.58 0.69 0.28 0.57	0.02 2.05 -0.57 0.74 -0.99 -0.50 0.17 0.78 0.81 1.16 0.96 0.07 -1.36 1.08 -0.93 -0.73 -0.83 0.67 -7.93 -6.55 0.63 -2.09 -0.54 3.61 4.01 2.79 4.35 1.86 1.79 0.70 1.65 0.33 0.33 1.77 -0.58 2.05 2.00 1.95 0.76 0.16 0.28 0.77 -0.12 1.72 1.39 -0.86 2.46 -0.08 0.08 1.88 2.32 0.87 -0.92 1.34 0.65 0.39 2.84 0.26 0.81 1.31 -0.86 0.74 0.06 1.78 -2.24 -2.72 0.82 -0.67 0.72 1.47 1.75 1.05 0.07 1.18 1.37 0.08 -0.06 1.37 -1.39 0.96 2.89 -0.95 0.35 -0.69 <td< td=""><td>0.02 2.05 -0.57 0.74 -0.99 -0.50 0.17 0.78 0.81 1.16 0.51 0.96 0.07 -1.36 1.08 -0.93 -0.73 -0.83 0.67 -7.93 -6.55 3.83 0.63 -2.09 -0.54 3.61 4.01 2.79 4.35 1.86 1.79 0.70 1.47 1.65 0.33 0.33 1.77 -0.58 2.05 2.00 1.95 0.76 0.16 -0.82 0.28 0.77 -0.12 1.72 1.39 -0.86 2.46 -0.08 0.08 1.88 -2.07 2.32 0.87 -0.92 1.34 0.65 0.39 2.84 0.26 0.81 1.31 -0.16 -0.86 0.74 0.06 1.78 -2.24 -2.72 0.82 -0.67 0.72 1.47 -0.18 1.75 1.05 0.07 1.18 1.37 0.08 -0.06 1.37</td><td>0.02 2.05 -0.57 0.74 -0.99 -0.50 0.17 0.78 0.81 1.16 0.51 0.16 0.96 0.07 -1.36 1.08 -0.93 -0.73 -0.83 0.67 -7.93 -6.55 3.83 6.79 0.63 -2.09 -0.54 3.61 4.01 2.79 4.35 1.86 1.79 0.70 1.47 -0.69 1.65 0.33 0.33 1.77 -0.58 2.05 2.00 1.95 0.76 0.16 -0.82 -0.91 0.28 0.77 -0.12 1.72 1.39 -0.86 2.46 -0.08 0.08 1.88 -2.07 2.10 2.32 0.87 -0.92 1.34 0.65 0.39 2.84 0.26 0.81 1.31 -0.16 0.01 -0.86 0.74 0.06 1.78 -2.24 -2.72 0.82 -0.67 0.72 1.47 -0.18 -0.15 1.75</td></td<>	0.02 2.05 -0.57 0.74 -0.99 -0.50 0.17 0.78 0.81 1.16 0.51 0.96 0.07 -1.36 1.08 -0.93 -0.73 -0.83 0.67 -7.93 -6.55 3.83 0.63 -2.09 -0.54 3.61 4.01 2.79 4.35 1.86 1.79 0.70 1.47 1.65 0.33 0.33 1.77 -0.58 2.05 2.00 1.95 0.76 0.16 -0.82 0.28 0.77 -0.12 1.72 1.39 -0.86 2.46 -0.08 0.08 1.88 -2.07 2.32 0.87 -0.92 1.34 0.65 0.39 2.84 0.26 0.81 1.31 -0.16 -0.86 0.74 0.06 1.78 -2.24 -2.72 0.82 -0.67 0.72 1.47 -0.18 1.75 1.05 0.07 1.18 1.37 0.08 -0.06 1.37	0.02 2.05 -0.57 0.74 -0.99 -0.50 0.17 0.78 0.81 1.16 0.51 0.16 0.96 0.07 -1.36 1.08 -0.93 -0.73 -0.83 0.67 -7.93 -6.55 3.83 6.79 0.63 -2.09 -0.54 3.61 4.01 2.79 4.35 1.86 1.79 0.70 1.47 -0.69 1.65 0.33 0.33 1.77 -0.58 2.05 2.00 1.95 0.76 0.16 -0.82 -0.91 0.28 0.77 -0.12 1.72 1.39 -0.86 2.46 -0.08 0.08 1.88 -2.07 2.10 2.32 0.87 -0.92 1.34 0.65 0.39 2.84 0.26 0.81 1.31 -0.16 0.01 -0.86 0.74 0.06 1.78 -2.24 -2.72 0.82 -0.67 0.72 1.47 -0.18 -0.15 1.75

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Index Ticker (USD Unhedged)

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