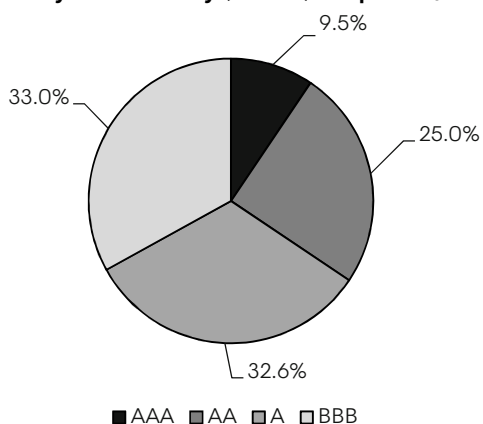


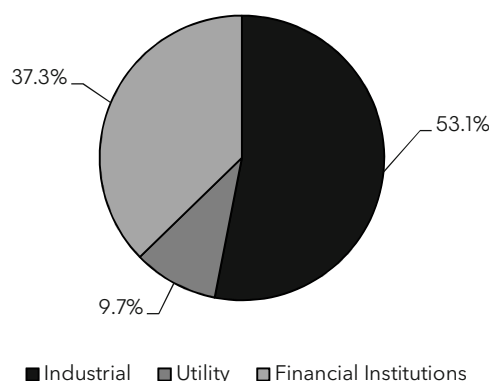
## Bloomberg Barclays MSCI Global Corporate Sustainability Index

The Bloomberg Barclays MSCI Global Corporate Sustainability Index is a multi-currency benchmark that includes corporate fixed-rate bonds from both developed and emerging markets issuers with strong positive environmental, social and governance (ESG) ratings. The index follows the same general criteria as the Bloomberg Barclays Global Corporate Index, but only includes issuers with a ESG Rating greater than or equal to BBB and a ESG Controversy Score greater than 0. There are four regional aggregate benchmarks that largely comprise the index: the US Corporate, the Pan-European Corporate, the Asian-Pacific Corporate, and the Canadian Corporate Indices. The Global Corporate Sustainability Index was launched in June 2013, with index history backfilled to January 1, 2007.

Composition by ESG Quality (MV %) - April 30, 2018



Composition by Sector (MV %) - April 30, 2018



### Rules for Inclusion

- Sector** Only corporate bonds are included.
- ESG Rating** Only issuers with ESG Ratings greater than or equal to BBB are included.
- ESG Controversy** Excludes all issuers involved in one or more very severe ESG Controversies (MSCI ESG Controversy Score < 1).
- Eligible Currencies**
  - Principal and interest must be denominated in one of the following currencies:  
Americas: USD, CAD, CLP, MXN  
EMEA: EUR, GBP, CHF, CZK, DKK, HUF, ILS, NOK, PLN, RUB, SEK, ZAR\*, IDR\*\*  
Asian-Pacific: JPY, AUD, HKD, KRW, NZD, SGD, MYR, THB
  - Eligible currencies will not necessarily have debt included in the index if no securities satisfy the inclusion rules.

\*Note: On May 1, 2018, ZAR-denominated debt will no longer be eligible for the Global Aggregate Indices.  
\*\*Note: On June 1, 2018, IDR-denominated debt will become eligible for Global Aggregate Indices.
- 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 local currency and hard currency debt ratings 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

## Rules for Inclusion

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

Fixed minimum issue sizes are set for all local currency markets:

- 300mn: USD, CAD, EUR, CHF, AUD
- 200mn: GBP
- 35bn: JPY
- 2bn: DKK, NOK, PLN, ZAR\*, ILS, HKD, MYR, TRY
- 2.5bn: SEK
- 10bn: MXN, CZK, THB
- 20bn: RUB
- 500mn: NZD, SGD
- 100bn: CLP
- 500bn: KRW
- 200bn: HUF
- 2trn: IDR\*\*

\*Note: On May 1, 2018, ZAR-denominated debt will no longer be eligible for the Global Aggregate Indices.

\*\*Note: On June 1, 2018, IDR-denominated debt will become eligible for Global Aggregate Indices.

### Coupon

- Fixed-rate coupon.
- Original zero coupon bonds are included.
- 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.

### Maturity

- At least one year until final maturity, regardless of optionality.
- 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.

### Market of Issue

Fully taxable, publicly issued in the global and regional markets. Private placements and retail issues are not eligible.

### Security Types

#### Included

- Bullet, puttable, sinkable/amortizing and callable bonds
- 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)
- Loan participation notes (as of April 1, 2013)
- IDR-denominated debt (as of June 1, 2018)

#### Excluded

- Issuers with ESG Ratings below BBB
- Bonds with very severe ESG Controversies
- 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)
- Inflation-linked bonds, floating-rate issues
- Private placements, retail bonds
- USD25/USD50 par bonds
- Structured notes, pass-through certificates
- Formosa Bonds (as of April 1, 2017)
- Illiquid securities with no available internal or third-party pricing source
- ZAR-denominated debt (as of May 1, 2018)

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## Rebalancing Rules

<b>Frequency</b>	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.
<b>Index Changes</b>	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.
<b>Reinvestment of Cash Flows</b>	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.
<b>New Issues</b>	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.

## Pricing and Related Issues

<b>Sources &amp; Frequency</b>	All index-eligible bonds are priced on a daily basis. Pricing sources by region: <ul style="list-style-type: none"><li>• US Corporate Index: Priced on a daily basis by Bloomberg's evaluated pricing service, BVAL.</li><li>• Pan-European Corporate Index: Priced by BVAL except for CHF-denominated bonds, sourced from the Swiss stock exchange.</li><li>• Asian-Pacific Corporate Index: Priced by BVAL except for JPY corporates, priced by JSDA on a daily basis.</li><li>• 144A/Eurodollar Indices: Priced on a daily basis by BVAL.</li><li>• Canadian Index: Priced on a daily basis by BVAL.</li><li>• Other local currency markets: Priced on a daily basis by BVAL.</li></ul>
<b>Pricing Quotes</b>	Bonds are quoted as a percentage of par.
<b>Timing</b>	Prices are snapped at the following times: <ul style="list-style-type: none"><li>• North American currency bonds: 3pm (New York time); 4pm (Toronto time) for CAD-denominated securities.</li><li>• Pan European currency bonds: 4:15pm (London time); 4pm (London time) for CHF-denominated securities.</li><li>• Asian currency bonds: 5pm (Sydney time) for AUD-denominated and NZD-denominated securities; 3pm (Tokyo time) for JPY-denominated securities; 5pm (Tokyo time) for all other securities.</li><li>• If the last business day of the month is a public holiday in a major regional market, prices from the previous business day are used to price bonds in the particular market.</li></ul>
<b>Bid or Offer Side</b>	Bonds in the index are priced on the bid side except for Japanese, Euro and Sterling treasury bonds which use mid prices. The initial price for new corporate issues entering the index is the offer side; after the first month, the bid price is used.
<b>Settlement Assumptions</b>	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.
<b>Verification</b>	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.
<b>Currency Hedging</b>	Bloomberg Barclays' 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

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## Pricing and Related Issues

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 Bloomberg Barclays MSCI Global Corporate Sustainability Index is a global, multi-currency index that is generated every business day of the year except for January 1, the only holiday common to all regional calendars. During holidays observed by local markets, the index will still be generated using prices from the previous business day. FX rates are updated daily using WM Reuters 4pm (London) rates. FX forwards are also sourced from WM Company.

## Monthly Returns in USD, 2007-2018(%)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2007	-0.66	2.18	-0.17	1.33	-1.43	-0.32	1.11	0.65	2.01	1.85	0.58	-0.34	6.93
2008	1.55	0.82	0.03	0.09	-0.81	-0.38	-0.26	-2.07	-8.41	-7.78	2.39	6.67	-8.73
2009	-2.48	-1.90	1.24	3.56	6.53	2.13	4.36	2.21	2.29	1.25	2.09	-2.63	19.82
2010	0.43	-0.60	0.27	0.51	-3.65	1.64	4.24	1.12	3.04	1.11	-3.75	0.93	5.12
2011	0.66	1.20	0.69	3.60	-0.21	-0.51	2.05	-0.65	-3.23	3.47	-3.31	0.91	4.50
2012	2.54	1.70	-0.53	0.76	-1.98	0.98	1.78	1.35	1.42	1.10	0.26	0.70	10.47
2013	-0.39	-0.83	-0.17	2.60	-2.35	-2.24	1.66	-0.71	2.07	1.35	-0.10	0.04	0.79
2014	0.72	1.73	0.10	1.35	0.65	0.55	-0.76	0.73	-2.44	0.30	0.30	-0.74	2.44
2015	-0.20	-0.56	-1.37	1.13	-1.28	-1.00	0.36	-0.38	-0.09	0.53	-1.33	-0.02	-4.16
2016	0.11	0.71	3.80	1.30	-0.94	1.18	1.70	0.09	0.04	-2.09	-2.90	0.38	3.25
2017	0.99	0.57	0.01	1.49	1.78	0.45	1.87	0.84	-0.32	0.02	0.69	0.77	9.52
2018	0.77	-1.85	0.47	-1.17	-	-	-	-	-	-	-	-	-1.80

## Accessing Index Data

Bloomberg Professional® service	<p>Bloomberg benchmarks are the global standard for capital markets investors.</p> <ul style="list-style-type: none"> <li>INDEX&lt;Go&gt; - 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.</li> <li>IN&lt;Go&gt; - 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.</li> <li>PORT&lt;Go&gt; - Bloomberg's Portfolio &amp; 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.</li> <li>DES&lt;Go&gt; - The index description page provides transparency into an individual index including membership information, aggregated characteristics and returns, and historical performance.</li> </ul>
Bloomberg Indices Website (www.bloombergindeces.com)	<p>The index website makes available limited index information including:</p> <ul style="list-style-type: none"> <li>Index methodology and factsheets</li> <li>Current performance numbers for select indices</li> </ul>
Data Distribution	<p>Index subscribers may choose to receive index data in files. Files may include:</p> <ul style="list-style-type: none"> <li>Index level and/or constituent level returns and characteristics for any indices</li> <li>Automatic delivery of files via email or SFTP following the completion of the index production process after market close</li> <li>Clients may receive standard files or may customize file contents</li> <li>Index data is also available via authorized redistributors</li> </ul>
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