

BLACKROCK CORPORATE HIGH YIELD FUND, INC.

Form N-CSR

November 03, 2017

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM N-CSR

CERTIFIED SHAREHOLDER REPORT OF REGISTERED MANAGEMENT

INVESTMENT COMPANIES

Investment Company Act file number 811-21318

Name of Fund: BlackRock Corporate High Yield Fund, Inc. (HYT)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: John M. Perlowski, Chief Executive Officer, BlackRock Corporate High Yield Fund, Inc., 55 East 52nd Street, New York, NY 10055

Registrant's telephone number, including area code: (800) 882-0052, Option 4

Date of fiscal year end: 08/31/2017

Date of reporting period: 08/31/2017

Item 1 Report to Stockholders

AUGUST 31, 2017



ANNUAL REPORT

BlackRock Core Bond Trust (BHK)

BlackRock Corporate High Yield Fund, Inc. (HYT)

BlackRock Income Trust, Inc. (BKT)

Not FDIC Insured May Lose Value No Bank Guarantee

The Markets in Review

Dear Shareholder,

In the 12 months ended August 31, 2017, risk assets, such as stocks and high-yield bonds, continued to deliver strong performance. These markets showed great resilience during a period with big surprises, including the aftermath of the U.K.'s vote to leave the European Union and the outcome of the U.S. presidential election, which brought only brief spikes in equity market volatility. These expressions of isolationism and discontent were countered by the closely watched and less surprising elections in France, the Netherlands and Australia.

Interest rates rose, which worked against high-quality assets with more interest rate sensitivity. As a result, longer-term U.S. Treasuries posted negative returns, as rising energy prices, modest wage increases, and steady job growth led to expectations of higher inflation and anticipation of interest rate increases by the U.S. Federal Reserve (the Fed).

Market prices began to reflect reflationary expectations toward the end of 2016, as investors sensed that a global recovery was afoot. And those expectations have been largely realized in 2017, as many countries throughout the world experienced sustained and synchronized growth for the first time since the financial crisis. Growth rates and inflation are still relatively low, but they are finally rising together.

The Fed responded to these positive developments by increasing interest rates three times and setting expectations for additional interest rate increases. The Fed also appears to be approaching the implementation of its plan to reduce the vast balance sheet reserves that provided liquidity to the global economy in the aftermath of the financial crisis in 2008. Also, growing skepticism about the near-term likelihood of significant U.S. tax reform and infrastructure spending has tempered reflationary expectations in the United States.

By contrast, the European Central Bank and the Bank of Japan reiterated their commitments to economic stimulus and balance sheet expansion despite nascent signs of sustained economic growth in both countries. The Eurozone also benefited from the relatively stable political environment, which is creating momentum for economic reform and pro-growth policies.

Financial markets and to an extent the Fed have adopted a wait-and-see approach to the economic data and potential fiscal stimulus. Escalating tensions with North Korea and our nation's divided politics are significant concerns. Nevertheless, benign credit conditions, modest inflation, and the positive outlook for growth in the world's largest economies have kept markets relatively tranquil.

However, the capacity for rapid global growth is restrained by structural factors, including an aging population in developed countries, low productivity growth, and excess savings. Cyclical factors, such as the Fed moving toward the normalization of monetary policy and the length of the current expansion, also limit economic growth. Tempered economic growth and high valuations across most assets have laid the groundwork for muted returns going forward. At current valuation levels, potential equity gains will likely be closely tied to the pace of earnings growth, which has remained solid thus far in 2017.

In this environment, investors need to think globally, extend their scope across a broad array of asset classes, and be nimble as market conditions change. We encourage you to talk with your financial advisor and visit blackrock.com for further insight about investing in today's markets.

Sincerely,

Rob Kapito

President, BlackRock Advisors, LLC

Rob Kapito

President, BlackRock Advisors, LLC

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Total Returns as of August 31, 2017

	6-month	12-month
U.S. large cap equities (S&P 500® Index)	5.65%	16.23%
U.S. small cap equities (Russell 2000® Index)	2.04	14.91
International equities (MSCI Europe, Australasia, Far East Index)	12.14	17.64
Emerging market equities (MSCI Emerging Markets Index)	18.02	24.53
3-month Treasury bills (BofA Merrill Lynch 3-Month U.S. Treasury Bill Index)	0.40	0.62
U.S. Treasury securities (BofA Merrill Lynch 10-Year U.S. Treasury Index)	3.10	(3.26)
U.S. investment grade bonds (Bloomberg Barclays U.S. Aggregate Bond Index)	2.74	0.49
Tax-exempt municipal bonds (S&P Municipal Bond Index)	3.51	0.92
U.S. high yield bonds (Bloomberg Barclays U.S. Corporate High Yield 2% Issuer Capped Index)	3.03	8.62

Past performance is no guarantee of future results. Index performance is shown for illustrative purposes only. You cannot invest directly in an index.

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ANNUAL REPORT

AUGUST 31, 2017

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Trust Summary as of August 31, 2017

BlackRock Core Bond Trust

Trust Overview

BlackRock Core Bond Trust's (BHK) (the Trust) investment objective is to provide current income and capital appreciation. The Trust seeks to achieve its investment objective by investing at least 75% of its managed assets in bonds that are investment grade quality at the time of investment. The Trust's investments will include a broad range of bonds, including corporate bonds, U.S. government and agency securities and mortgage-related securities. The Trust may invest up to 25% of its total managed assets in bonds that at the time of investment are rated Ba/BB or below by Moody's Investors Service, Inc. (Moody's), Standard & Poors Ratings Group (S&P), Fitch Ratings (Fitch) or another nationally recognized rating agency or bonds that are unrated but judged to be of comparable quality by the investment adviser. The Trust may invest up to 10% of its managed assets in bonds issued in foreign currencies. The Trust may invest directly in such securities or synthetically through the use of derivatives.

No assurance can be given that the Trust's investment objective will be achieved.

Trust Information

Symbol on New York Stock Exchange (NYSE)	BHK
Initial Offering Date	November 27, 2001
Current Distribution Rate on Closing Market Price as of August 31, 2017 (\$14.10) ¹	5.53%
Current Monthly Distribution per Common Share ²	\$0.065
Current Annualized Distribution per Common Share ²	\$0.780
Economic Leverage as of August 31, 2017 ³	26%

¹ Current distribution rate on closing market price is calculated by dividing the current annualized distribution per share by the closing market price. The current distribution rate may consist of income, net realized gains and/or a tax return of capital. Past performance does not guarantee future results.

² The distribution rate is not constant and is subject to change.

³ Represents reverse repurchase agreements outstanding as a percentage of total managed assets, which is the total assets of the Trust (including any assets attributable to borrowings) minus the sum of liabilities (other than borrowings representing financial leverage). For a discussion of leveraging techniques utilized by the Trust, please see The Benefits and Risks of Leveraging on page 13.

Market Price and Net Asset Value Per Share Summary

	8/31/17	8/31/16	Change	High	Low
Market Price	\$ 14.10	\$ 14.33	(1.61)%	\$ 14.34	\$ 12.59
Net Asset Value	\$ 14.96	\$ 15.25	(1.90)%	\$ 15.29	\$ 13.99

Market Price and Net Asset Value History For the Past Five Years

Performance and Portfolio Management Commentary

Returns for the period ended August 31, 2017 were as follows:

	Average Annual Total Returns		
	1 Year	3 Years	5 Years
Trust at NAV ^{1,2}	3.88%	6.26%	6.55%
Trust at Market Price ^{1,2}	4.20	8.11	5.02
Reference Benchmark ³	1.58	3.98	3.83
Bloomberg Barclays U.S. Long Government/Credit Index ⁴	(1.08)	4.90	4.02
Bloomberg Barclays Intermediate Credit Index ⁵	1.92	2.79	2.80
Bloomberg Barclays U.S. Corporate High Yield 2% Issuer Capped Index ⁶	8.62	4.79	6.47
Bloomberg Barclays CMBS, Eligible for U.S. Aggregate ⁷	0.63	3.06	2.97
Bloomberg Barclays MBS Index ⁸	0.80	2.46	2.05
Bloomberg Barclays ABS Index ⁹	1.36	1.83	1.41

¹ All returns reflect reinvestment of dividends and/or distributions at actual reinvestment prices. Performance results reflect the Trust's use of leverage.

² The Trust's discount to NAV narrowed during the period, which accounts for the difference between performance based on market price and performance based on NAV.

³ The Reference Benchmark is comprised of the Bloomberg Barclays U.S. Long Government/Credit Index (40%); Bloomberg Barclays Intermediate Credit Index (24%); Bloomberg Barclays U.S. Corporate High Yield 2% Issuer Capped Index (16%); Bloomberg Barclays CMBS, Eligible for U.S. Aggregate Index (8%); Bloomberg Barclays MBS Index (8%); and Bloomberg Barclays ABS Index (4%). The Reference Benchmark's index content and weightings may have varied over past periods.

⁴ This unmanaged index is the long component of the Bloomberg Barclays U.S. Government/Credit Index. This unmanaged index includes publicly issued U.S. Treasury debt, U.S. government agency debt, taxable debt issued by U.S. states and territories and their political subdivisions, debt issued by U.S. and non-U.S. corporations, non-U.S. government debt and supranational debt.

⁵ This unmanaged index is the intermediate component of the Bloomberg Barclays U.S. Credit Index. The Bloomberg Barclays U.S. Credit Index includes publicly issued U.S. corporate and foreign debentures and secured notes that meet specified maturity, liquidity, and quality requirements.

⁶ An unmanaged index comprised of issuers that meet the following criteria: at least \$150 million par value outstanding; maximum credit rating of Ba1; at least one year to maturity; and no issuer represents more than 2% of the index.

⁷ This unmanaged index is the CMBS component of the Bloomberg Barclays U.S. Aggregate Index.

⁸ This unmanaged index is a market value-weighted index, which covers the mortgage-backed securities component of the Bloomberg Barclays U.S. Aggregate Bond Index. The unmanaged index is comprised of agency mortgage-backed pass-through securities of the Government National Mortgage Association (Ginnie Mae), the Federal National Mortgage Association (Fannie Mae), and the Federal Home Loan Mortgage Corporation (Freddie Mac) with a minimum \$150 million par amount outstanding and a weighted-average maturity of at least 1 year. The index includes reinvestment of income.

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⁹ This unmanaged index is the asset-backed securities component of the Bloomberg Barclays U.S. Aggregate Index. Performance results may include adjustments made for financial reporting purposes in accordance with U.S. generally accepted accounting principles.

Past performance is not indicative of future results.

Beginning with this reporting period, BHK is presenting the Reference Benchmark to accompany trust performance. The Reference Benchmark is presented for informational purposes only, as the Trust is actively managed and does not seek to track or replicate the performance of the Reference Benchmark or any other index. The portfolio investments of the Trust may differ substantially from the securities that comprise the indices within the Reference Benchmark, which may cause the Trust's performance to differ materially from that of the Reference Benchmark. The Trust employs leverage as part of its investment strategy, which may change over time at the discretion of BlackRock Advisors, LLC (the Manager) as market and other conditions warrant. In contrast, the Reference Benchmark is not adjusted for leverage. Therefore, leverage generally may result in the Trust outperforming the Reference Benchmark in rising markets and underperforming in declining markets. The Board considers additional factors to evaluate the Trust's performance, such as the performance of the Trust relative to a peer group of funds, a leverage-adjusted benchmark and/or other information provided by the Manager.

More information about the Trust's historical performance can be found in the Closed End Funds section of <http://www.blackrock.com>.

The following discussion relates to the Trust's absolute performance based on NAV:

What factors influenced performance?

The largest positive contributions to the Trust's performance came from its holdings of high yield bonds, investment grade corporate bonds, asset-backed securities (ABS) and commercial mortgage-backed securities (CMBS). Allocations to capital securities and non-agency residential mortgage-backed securities (MBS) also contributed positively.

The principal detractor from the Trust's performance was its allocation to U.S. Treasuries.

Describe recent portfolio activity.

Over the reporting period, the Trust increased credit risk within MBS, CMBS and investment grade corporates. This proved beneficial to performance as spreads tightened over the period. From a sector perspective, the Trust's allocation to global sovereign/supranational/agency issues and U.S. Treasuries was slightly reduced and rotated into investment grade corporate securities, high yield corporate bonds and agency collateralized mortgage obligations (CMO).

Performance and Portfolio Management Commentary (concluded)**Describe portfolio positioning at period end.**

At period end, the Trust maintained diversified exposure within non-government spread sectors, including investment grade corporates, high yield corporates, CMBS and ABS, as well as smaller allocations to non-agency residential MBS. The Trust also held exposure to government-related sectors such as U.S. Treasuries, agency debt and agency MBS.

The views expressed reflect the opinions of BlackRock as of the date of this report and are subject to change based on changes in market, economic or other conditions. These views are not intended to be a forecast of future events and are no guarantee of future results.

Overview of the Trust's Total Investments

Portfolio Composition	8/31/17	8/31/16
Corporate Bonds	50%	47%
U.S. Treasury Obligations	11	14
Preferred Securities	9	10
Asset-Backed Securities	8	8
Non-Agency Mortgage-Backed Securities	8	10
U.S. Government Sponsored Agency Securities	8	6
Municipal Bonds	2	2
Foreign Agency Obligations	2	2
Floating Rate Loan Interests	1	1
Options Purchased	1	¹
Short-Term Securities	1	1
Options Written	(1)	(1)
Other		¹

¹ Representing less than 1% of the Trust's total investments and Other may include Common Stocks and Options Purchased.

Credit Quality Allocation^{2,3}	8/31/17	8/31/16
AAA/Aaa ⁴	23%	24%
AA/Aa	6	4
A	16	14
BBB/Baa	28	22
BB/Ba	12	17
B	8	12
CCC/Caa	2	4
N/R	5	3

² For financial reporting purposes, credit quality ratings shown above reflect the highest rating assigned by either S&P or Moody's if ratings differ. These rating agencies are independent, nationally recognized statistical rating organizations and are widely used. Investment grade ratings are credit ratings of BBB/Baa or higher. Below investment grade ratings are credit ratings of BB/Ba or lower. Investments designated N/R are not rated by either rating agency. Unrated investments do not necessarily indicate low credit quality. Credit quality ratings are subject to change.

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³ Excludes Short-Term Securities, Options Purchased and Options Written.

⁴ The investment adviser evaluates the credit quality of not-rated investments based upon certain factors including, but not limited to, credit ratings for similar investments and financial analysis of sectors and individual investments. Using this approach, the investment adviser has deemed U.S. Government Sponsored Agency Securities and U.S. Treasury Obligations as AAA/Aaa.

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ANNUAL REPORT

AUGUST 31, 2017

Trust Summary as of August 31, 2017

BlackRock Corporate High Yield Fund, Inc.

Trust Overview

BlackRock Corporate High Yield Fund, Inc. s (HYT) (the Trust) primary investment objective is to provide shareholders with current income. The Trust s secondary investment objective is to provide shareholders with capital appreciation. The Trust seeks to achieve its investment objectives by investing primarily in a diversified portfolio of fixed income securities which are rated at the time of investment to be below investment grade or, if unrated, are considered by the investment adviser to be of comparable quality. The Trust may invest directly in fixed income securities or synthetically through the use of derivatives.

No assurance can be given that the Trust s investment objectives will be achieved.

Trust Information

Symbol on NYSE	HYT
Initial Offering Date	May 30, 2003
Current Distribution Rate on Closing Market Price as of August 31, 2017 (\$11.13) ¹	7.55%
Current Monthly Distribution per Common Share ²	\$0.07
Current Annualized Distribution per Common Share ²	\$0.84
Economic Leverage as of August 31, 2017 ³	