

BLACKROCK INVESTMENT QUALITY MUNICIPAL TRUST INC.

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SECURITIES AND EXCHANGE COMMISSION

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FORM N-CSR

CERTIFIED SHAREHOLDER REPORT OF REGISTERED MANAGEMENT INVESTMENT COMPANIES

Investment Company Act file number: 811-07354

Name of Fund: BlackRock Investment Quality Municipal Trust, Inc. (BKN)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: John M. Perlowski, Chief Executive Officer, BlackRock Investment Quality Municipal Trust, 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: 04/30/2014

Date of reporting period: 04/30/2014

Item 1 – Report to Stockholders

APRIL 30, 2014

ANNUAL REPORT

BlackRock Investment Quality Municipal Trust Inc. (BKN)

BlackRock Long-Term Municipal Advantage Trust (BTA)

BlackRock Municipal 2020 Term Trust (BKK)

BlackRock Municipal Income Trust (BFK)

BlackRock Pennsylvania Strategic Municipal Trust (BPS)

BlackRock Strategic Municipal Trust (BSD)

Not FDIC Insured May Lose Value No Bank Guarantee

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Shareholder Letter

Dear Shareholder,

Markets have remained highly attuned to potential changes in U.S. monetary policy over the past year. This was markedly evident one year ago in May of 2013 when then-Federal Reserve Chairman Bernanke first mentioned the possibility of reducing (or tapering) the central bank's asset purchase programs' comments that were widely misinterpreted as signaling an end to the Fed's zero-interest-rate policy. U.S. Treasury yields rose sharply following his comments, triggering a steep sell-off across fixed income markets. (Bond prices move in the opposite direction of yields.) Global equities also suffered as investors feared the implications of a potential end to a program that had greatly supported stocks. Emerging markets, which are more sensitive to changes in global liquidity, were especially hurt by the prospect of ebbing cash flows from the United States. Markets broadly rebounded in late June, however, when the Fed's tone turned more dovish. At the same time, improving economic indicators and better corporate earnings helped extend gains through most of the summer.

Although the tone of economic and financial news was mixed last autumn, it was a surprisingly positive period for most asset classes. Early on, the Fed defied market expectations with its decision to delay tapering, but higher volatility returned in late September 2013 when the U.S. Treasury Department warned that the national debt would soon breach its statutory maximum. The ensuing political brinksmanship led to a partial government shutdown, roiling global financial markets through the first half of October. Equities and other so-called risk assets managed to resume their rally when politicians finally engineered a compromise to reopen the government and extend the debt ceiling.

The remainder of 2013 was a generally positive period for stock markets in the developed world, although investors continued to grapple with uncertainty about when and how much the Fed would scale back on stimulus. When the Fed ultimately announced its tapering plans in mid-December, markets reacted positively, as this action signaled the Fed's perception of real improvement in the economy, and investors were finally released from the anxiety that had gripped them for quite some time.

The start of the new year brought a stark change in sentiment. Heightened volatility in emerging markets driven by reduced global liquidity, severe currency weakness, high levels of debt and uneven growth combined with mixed U.S. economic data caused global equities to weaken in January while bond markets found renewed strength from investors seeking relatively safer assets. Although these headwinds persisted, equities were back on the rise in February as investors were encouraged by a one-year extension of the U.S. debt ceiling and market-friendly comments from new Fed Chair Janet Yellen. While U.S. economic data had softened, investors were assuaged by increasing evidence that this was a temporary trend resulting from harsher-than-usual winter weather.

In the final months of the period, signs of decelerating growth in China and geopolitical tensions in Russia and Ukraine made for a bumpy ride, but markets continued their climb as investors focused on improving U.S. economic data, stronger corporate earnings and a still-dovish central bank. Within developed markets, investors shifted from growth to value stocks as the strong performance of growth stocks in 2013 had pushed valuations higher in many of these sectors. Emerging markets also benefited from this broad rotation into cheaper valuations and were further supported by an improving growth outlook for a number of developing countries.

Even though investors were gearing up for a modest shift toward tighter monetary policy from the Fed, equity markets in the developed world posted solid gains for the six- and 12-month periods ended April 30. Emerging markets, however, experienced increased volatility amid heightened risks for the asset class. Interest rate uncertainty posed a headwind for fixed income assets, and higher-quality sectors of the market performed poorly over the reporting period. Conversely, high yield bonds benefited from income-oriented investors' search for yield in the overall low-rate environment. Short-term interest rates remained near zero, keeping yields on money market securities close to historic lows.

At BlackRock, we believe investors need to think globally, extend their scope across a broad array of asset classes and be prepared to move freely as market conditions change over time. We encourage you to talk with your financial advisor and visit www.blackrock.com for further insight about investing in today's world.

Sincerely,

Rob Kapito

President, BlackRock Advisors, LLC

In a modest global growth environment, expectations around monetary policy changes continued to be a key theme in financial market performance.

Rob Kapito

President, BlackRock Advisors, LLC

Total Returns as of April 30, 2014

	6-month	12-month
U.S. large cap equities (S&P 500® Index)	8.36 %	20.44 %
U.S. small cap equities (Russell 2000® Index)	3.08	20.50
International equities (MSCI Europe, Australasia, Far East Index)	4.44	13.35
Emerging market equities (MSCI Emerging Markets Index)	(2.98)	(1.84)
3-month Treasury bill (BofA Merrill Lynch 3-Month U.S. Treasury Bill Index)	0.03	0.06
U.S. Treasury securities (BofA Merrill Lynch 10-Year U.S. Treasury Index)	0.88	(5.25)
U.S. investment grade bonds (Barclays U.S. Aggregate Bond Index)	1.74	(0.26)
Tax-exempt municipal bonds (S&P Municipal Bond Index)	4.24	0.46
U.S. high yield bonds (Barclays U.S. Corporate High Yield 2% Issuer Capped Index)	4.72	6.28

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

Municipal Market Overview
For the Reporting Period Ended April 30, 2014

Municipal Market Conditions

After a strong start to 2013, the municipal market was upturned as investors reacted to statements issued by the U.S. Federal Reserve in May and June relating to the eventual reduction of its bond-buying stimulus program (which ultimately took effect in January 2014). The prospect of U.S. monetary policy tightening sooner than previously expected led to a sharp rise in interest rates and waning municipal bond performance. (Bond prices fall as rates rise.) Municipal bond mutual funds saw strong outflows through the remainder of 2013, before investors again sought the relative safety of the asset class in the New Year. For the 12-month period ended April 30, 2014, net outflows were approximately \$60 billion (based on data from the Investment Company Institute).

S&P Municipal Bond Index

Total Returns as of April 30, 2014

6 months: 4.24%

12 months: 0.46%

High levels of interest rate volatility, particularly on the long-end of the curve resulted in a sharp curtailment of tax-exempt issuance in May of 2013 through the end of the period. However, from a historical perspective, total new issuance for the 12 months ended April 30, 2014 remained relatively strong at \$300 billion (but meaningfully lower than the \$388 billion issued in the prior 12-month period). A significant portion of new supply during this period was attributable to refinancing activity (roughly 40%) as issuers took advantage of lower interest rates to reduce their borrowing costs.

A Closer Look at Yields

From April 30, 2013 to April 30, 2014, muni yields increased by 65 basis points (bps) from 2.84% to 3.49% on AAA-rated 30-year municipal bonds, while increasing 61 bps from 1.69% to 2.30% on 10-year bonds and rising another 49 bps from 0.74% to 1.23% on 5-year issues (as measured by Thomson Municipal Market Data). Overall, the municipal yield curve remained relatively steep over the 12-month period as the spread between 2- and 30-year maturities widened by 59 bps and the spread between 2- and 10-year maturities widened by 55 bps.

During the same time period, U.S. Treasury rates rose by 58 bps on 30-year and 98 bps on 10-year bonds, while moving up 100 bps in 5-years. Accordingly, tax-exempt municipal bonds underperformed Treasuries on the long end of the yield curve as investors sought to reduce interest rate risk later in the period. On the short and intermediate parts of the curve, the outperformance of municipal bonds versus Treasuries was driven largely by a supply/demand imbalance within the municipal market and a rotation from long-duration assets (which are more sensitive to interest rate movements) into short- and intermediate-duration investments (which are less sensitive to interest rate movements). Additionally, municipal bonds benefited from the increased appeal of tax-exempt investing in the new higher tax rate environment. The asset class is known for its lower relative volatility and preservation of principal with an emphasis on income as tax rates rise. The municipal market continues to be an attractive avenue for investors seeking yield in today's environment. However, opportunities have not been as broad-based as in 2011 and 2012, warranting a more tactical approach going forward.

Financial Conditions of Municipal Issuers Continue to Improve

Following an extended period of nation-wide austerity and de-leveraging as states sought to balance their budgets, 15 consecutive quarters of positive revenue growth coupled with the elimination of more than 750,000 jobs in recent years have put state and local governments in a better financial position. Many local municipalities, however, continue to face increased health care and pension costs passed down from the state level. BlackRock maintains the view that municipal bond defaults will be minimal and remain in the periphery, and that the overall market is fundamentally sound. We continue to recognize that careful credit research, appropriate structure and security selection remain imperative amid uncertainty in a modestly improving economic environment.

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The Benefits and Risks of Leveraging

The Trusts may utilize leverage to seek to enhance the yield and net asset value (NAV) of their common shares (Common Shares). However, these objectives cannot be achieved in all interest rate environments.

In general, the concept of leveraging is based on the premise that the financing cost of leverage, which will be based on short-term interest rates, will normally be lower than the income earned by a Trust on its longer-term portfolio investments purchased with the proceeds from leverage. To the extent that the total assets of the Trust (including the assets obtained from leverage) are invested in higher-yielding portfolio investments, the Trust's shareholders will benefit from the incremental net income. The interest earned on securities purchased with the proceeds from leverage is paid to shareholders in the form of dividends, and the value of these portfolio holdings is reflected in the per share NAV.

To illustrate these concepts, assume a Trust's Common Shares capitalization is \$100 million and it utilizes leverage for an additional \$30 million, creating a total value of \$130 million available for investment in longer-term income securities. If prevailing short-term interest rates are 3% and longer-term interest rates are 6%, the yield curve has a strongly positive slope. In this case, the Trust's financing costs on the \$30 million of proceeds obtained from leverage are based on the lower short-term interest rates. At the same time, the securities purchased by the Trust with the proceeds from leverage earn income based on longer-term interest rates. In this case, the Trust financing cost of leverage is significantly lower than the income earned on the Trust's longer-term investments acquired from such leverage proceeds, and therefore the holders of Common Shares (Common Shareholders) are the beneficiaries of the incremental net income.

However, in order to benefit Common Shareholders, the return on assets purchased with leverage proceeds must exceed the ongoing costs associated with the leverage. If interest and other costs of leverage exceed the Trust's return on assets purchased with leverage proceeds, income to shareholders will be lower than if the Trust had not used leverage. Furthermore, the value of the Trust's portfolio investments generally varies inversely with the direction of long-term interest rates, although other factors can influence the value of portfolio investments. In contrast, the value of the Trust's obligations under its leverage arrangement generally does not fluctuate in relation to interest rates. As a result, changes in interest rates can influence the Trust's NAVs positively or negatively. Changes in the future direction of interest rates are very difficult to predict accurately, and there is no assurance that a Trust's intended leveraging strategy will be successful.

Leverage also will generally cause greater changes in the Trusts' NAVs, market prices and dividend rates than comparable portfolios without leverage. In a declining market, leverage is likely to cause a greater decline in the net asset value and market price of a Trust's Common Shares than if the Trust were not leveraged. In addition, the Trust may be required to sell portfolio securities at inopportune times or at distressed values in order to comply with regulatory requirements applicable to the use of leverage or as required by the terms of leverage instruments, which may cause the Trust to incur losses. The use of leverage may limit the Trust's ability to invest in certain types of securities or use certain types of hedging strategies. The Trust will incur expenses in connection with the use of leverage, all of which are borne by Common Shareholders and may reduce income to the Common Shares.

To obtain leverage, each Trust has issued Variable Rate Demand Preferred Shares (VRDP Shares), Variable Rate Muni Term Preferred Shares (VMTP Shares) or Auction Market Preferred Shares (AMPS) (collectively, Preferred Shares) and/or leveraged its assets through the use of tender option bond trusts (TOBs) as described in the Notes to Financial Statements.

Under the Investment Company Act of 1940 (the 1940 Act), each Trust is permitted to issue debt up to ~~33~~ 50% of its total managed assets or equity securities (e.g., Preferred Shares) up to 50% of its total managed assets. A Trust may voluntarily elect to limit its leverage to less than the maximum amount permitted under the 1940 Act. In addition, a Trust may also be subject to certain asset coverage, leverage or portfolio composition requirements imposed by the Preferred Shares' governing instruments or by agencies rating the Preferred Shares, which may be more stringent than those imposed by the 1940 Act.

Derivative Financial Instruments

The Trusts may invest in various derivative financial instruments, including financial futures contracts, as specified in Note 4 of the Notes to Financial Statements, which may constitute forms of economic leverage. Such derivative financial instruments are used to obtain exposure to a security, index and/or market without owning or taking physical custody of securities or to hedge market and/or interest rate risks. Derivative financial instruments involve risks, including the imperfect correlation between the value of a derivative financial instrument and the underlying asset, possible default of the counterparty to the transaction or illiquidity of the derivative financial instrument. The Trusts' ability to use a derivative financial instrument successfully depends on the investment advisor's ability to predict pertinent market movements accurately, which cannot be assured. The use of derivative financial

instruments may result in losses greater than if they had not been used, may require a Trust to sell or purchase portfolio investments at inopportune times or for distressed values, may limit the amount of appreciation a Trust can realize on an investment, may result in lower dividends paid to shareholders and/or may cause a Trust to hold an investment that it might otherwise sell. The Trusts' investments in these instruments are discussed in detail in the Notes to Financial Statements.

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Trust Summary as of April 30, 2014
Trust Overview

BlackRock Investment Quality Municipal Trust Inc.

BlackRock Investment Quality Municipal Trust Inc. s (BKN) (the Trust) investment objective is to provide high current income exempt from regular federal income tax consistent with the preservation of capital. The Trust seeks to achieve its investment objective by investing at least 80% of its assets in municipal obligations exempt from federal income taxes (except that the interest may be subject to the federal alternative minimum tax). Under normal market conditions, the Trust invests at least 80% of its assets in securities rated investment grade at the time of investment. 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.

Performance

For the 12-month period ended April 30, 2014, the Trust returned (1.28)% based on market price and 0.41% based on NAV. For the same period, the closed-end Lipper General & Insured Municipal Debt Funds (Leveraged) category posted an average return of (5.00)% based on market price and (0.78)% based on NAV. All returns reflect reinvestment of dividends and/or distributions. The Trust s discount to NAV, which widened during the period, accounts for the difference between performance based on price and performance based on NAV. The following discussion relates to performance based on NAV.

The Trust benefited from income generated from coupon payments on its municipal bond holdings. Exposure to corporate and health care credits contributed positively to returns as these sectors were among the better performing during the period. Exposure to the transportation sector also had a positive impact. While the tobacco sector broadly underperformed the market, the Trust s select tobacco holdings added to performance.

As interest rates moved sharply higher early in the period, the Trust s long duration (high sensitivity to interest rate movements) was the most significant detractor from performance. (Bond prices fall when rates rise.) Concentrated exposure on the long-end of the yield curve was detrimental as rates increased more in the long-end than in the short-end of the curve. The Trust s exposure to local tax-backed issues also had a negative impact on returns. In the beginning of the period, the Trust s exposure to Puerto Rico government-related credits, although limited, was a detractor from results as credit spreads on these bonds widened materially due to investors lack of confidence and a weak local economy. The Trust sold its exposure to these securities early in the period.

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.

Trust Information

Symbol on New York Stock Exchange (NYSE)	BKN
Initial Offering Date	February 19, 1993
Yield on Closing Market Price as of April 30, 2014 (\$14.86) ¹	6.46%
Tax Equivalent Yield ²	11.41%
Current Monthly Distribution per Common Share ³	\$0.08
Current Annualized Distribution per Common Share ³	\$0.96
Economic Leverage as of April 30, 2014 ⁴	36%

¹ Yield on closing market price is calculated by dividing the current annualized distribution per share by the closing market price. Past performance does not guarantee future results.

Tax equivalent yield assumes the maximum marginal federal tax rate of 43.4%, which includes the 3.8% Medicare tax. Actual tax rates will vary based on income, exemptions and deductions. Lower taxes will result in lower tax equivalent yields.

³ The distribution rate is not constant and is subject to change.

⁴ Represents VMTP Shares and TOBs as a percentage of total managed assets, which is the total assets of the Trust, including any assets attributable to VMTP Shares and TOBs, minus the sum of accrued liabilities. For a discussion of leveraging techniques utilized by the Trust, please see The Benefits and Risks of Leveraging on page 5.

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BlackRock Investment Quality Municipal Trust Inc.

Market Price and Net Asset Value Per Share Summary

	4/30/14	4/30/13	Change	High	Low
Market Price	\$14.86	\$16.11	(7.76)%	\$16.24	\$12.72
Net Asset Value	\$15.34	\$16.35	(6.18)%	\$16.41	\$13.41

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

Overview of the Trust's Long-Term Investments

Sector Allocation	4/30/14	4/30/13
Health	24%	27%
County/City/Special District/School District	15	20
Education	15	11
Transportation	14	12
Utilities	11	11
State	10	11
Corporate	8	4
Tobacco	2	2
Housing	1	2
Credit Quality Allocation ¹	4/30/14	4/30/13
AAA/Aaa	6%	3%
AA/Aa	41	35
A	37	36
BBB/Baa	8	17
BB/Ba	2	2
B	1	
Not Rated ²	5	7

¹ Using the higher of Standard & Poor's (S&P's) or Moody's Investors Service (Moody's) ratings.

The investment advisor has deemed certain of these non-rated securities to be of investment grade quality. As of

² April 30, 2014 and April 30, 2013, the market value of these securities was \$9,623,658, representing 2%, and \$18,641,489, representing 4%, respectively, of the Trust's long-term investments.

Call/Maturity Schedule³

Calendar Year Ended December 31,

2014	4%
2015	3
2016	5
2017	3
2018	10

³ Scheduled maturity dates and/or bonds that are subject to potential calls by issuers over the next five years.
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Trust Summary as of April 30, 2014
Trust Overview

BlackRock Long-Term Municipal Advantage Trust

BlackRock Long-Term Municipal Advantage Trust s (BTA) (the Trust) investment objective is to provide current income exempt from regular federal income tax. The Trust seeks to achieve its investment objective by investing, under normal market conditions, at least 80% of its assets in municipal obligations and derivative instruments with exposure to such municipal obligations, in each case that are exempt from federal income tax (except that the interest may be subject to the federal alternative minimum tax). The Trust invests, under normal market conditions, primarily in long-term municipal bonds with a maturity of more than ten years at the time of investment and, under normal market conditions, the Trust s municipal bond portfolio will have a dollar-weighted average maturity of greater than 10 years. 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.

Performance

For the 12-month period ended April 30, 2014, the Trust returned (3.17)% based on market price and 0.28% based on NAV. For the same period, the closed-end Lipper General & Insured Municipal Debt Funds (Leveraged) category posted an average return of (5.00)% based on market price and (0.78)% based on NAV. All returns reflect reinvestment of dividends and/or distributions. The Trust s discount to NAV, which widened during the period, accounts for the difference between performance based on price and performance based on NAV. The following discussion relates to performance based on NAV.

During a period in which interest rates increased in earlier half and declined in the latter half, the additional income afforded by the Trust s use of leverage, a persistently low cost of borrowing and the Trust s emphasis on credit exposure helped mitigate much of the market-related volatility. The Trust benefited from holding unrated as well as low investment grade and non-investment grade bonds, which exhibited superior performance compared to higher quality investment grade bonds during the period. The Trust s concentrations in project finance, development district, tobacco, utilities and health care bonds also had a positive impact on results.

As interest rates moved sharply higher early in the period, the Trust s duration exposure (sensitivity to interest rate movements) was the most significant detractor from performance. (Bond prices fall when rates rise.) The Trust s state and local tax-backed and transportation holdings generally produced slightly negative returns for the period. In the beginning of the period, the Trust s exposure to Puerto Rico government-related credits, although limited, was a detractor from results as credit spreads on these bonds widened materially due to investors lack of confidence and a weak local economy. The Trust sold its exposure to these securities during the period.

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.

Trust Information

Symbol on NYSE	BTA
Initial Offering Date	February 28, 2006
Yield on Closing Market Price as of April 30, 2014 (\$11.29) ¹	6.59%
Tax Equivalent Yield ²	11.64%
Current Monthly Distribution per Common Share ³	\$0.062
Current Annualized Distribution per Common Share ³	\$0.744
Economic Leverage as of April 30, 2014 ⁴	36%

¹ Yield on closing market price is calculated by dividing the current annualized distribution per share by the closing market price. Past performance does not guarantee future results.

Tax equivalent yield assumes the maximum marginal federal tax rate of 43.4%, which includes the 3.8% Medicare tax. Actual tax rates will vary based on income, exemptions and deductions. Lower taxes will result in lower tax equivalent yields.

³ The distribution rate is not constant and is subject to change.

⁴ Represents TOBs as a percentage of total managed assets, which is the total assets of the Trust, including any assets attributable to TOBs, minus the sum of accrued liabilities. For a discussion of leveraging techniques utilized by the

Trust, please see The Benefits and Risks of Leveraging on page 5.