PUTNAM MANAGED MUNICIPAL INCOME TRUST Form N-CSR December 29, 2005

Item 1. Report to Stockholders:

The following is a copy of the report transmitted to stockholders pursuant to Rule 30e-1 under the Investment Company Act of 1940:

What makes Putnam different?

In 1830, Massachusetts Supreme Judicial Court Justice Samuel Putnam established The Prudent Man Rule, a legal foundation for responsible money management.

THE PRUDENT MAN RULE

All that can be required of a trustee to invest is that he shall conduct himself faithfully and exercise a sound discretion. He is to observe how men of prudence, discretion, and intelligence manage their own affairs, not in regard to speculation, but in regard to the permanent disposition of their funds, considering the probable income, as well as the probable safety of the capital to be invested.

A time-honored tradition in money management

Since 1937, our values have been rooted in a profound sense of responsibility for the money entrusted to us.

A prudent approach to investing

We use a research-driven team approach to seek consistent, dependable, superior investment results over time, although there is no guarantee a fund will meet its objectives.

Funds for every investment goal

We offer a broad range of mutual funds and other financial products so investors and their advisors can build diversified portfolios.

A commitment to doing what s right for investors

We have stringent investor protections and provide a wealth of information about the Putnam funds.

Industry-leading service

We help investors, along with their financial advisors, make informed investment decisions with confidence.

Putnam Managed Municipal Income Trust

10|31|05

Annual Report

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Message from the Trustees

Dear Fellow Shareholder

During the period that ended October 31, 2005, domestic stocks advanced at a pace reflecting their long-term average returns, while bonds registered sub-par results. Outside the United States, most markets showed more impressive gains. Although U.S. economic growth proceeded at a steady pace, new concerns emerged. High energy prices, the Federal Reserve Board program of interest-rate increases, and the impact of the unusually active 2005 hurricane season proved challenging to consumers and sparked brief bouts of volatility in finan-cial markets. Putnam Management believes that energy prices, interest rates, and the aftereffects of this year storms are likely to continue to shape investment opportunities and risks in the months to come.

Amid the uncertainties of this environment, the professional research, diversification, and active management that mutual funds provide continue to make them an intelligent choice

for investors. We want you to know that Putnam Investments management team, under the leadership of Chief Executive Officer Ed Haldeman, continues to focus on investment performance and remains committed to putting the interests of shareholders first. In keeping with these goals, we have redesigned and expanded our shareholder reports to make it easier for you to learn more about your fund. Furthermore, on page 19 we provide information about the 2005 approval by the Trustees of your fund management contract with Putnam.

We would also like to take this opportunity to announce the retirement of one of your fund strustees, Ronald J. Jackson, who has been an independent Trustee of the Putnam funds since 1996. We thank him for his service.

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In the following pages, members of your fund \square s management team discuss the fund \square s performance and strategies, and their outlook for the months ahead. As always, we thank you for your support of the Putnam funds.

Putnam Managed Municipal Income Trust: potential for income exempt from federal income tax

Municipal bonds finance important public projects such as schools, roads, and hospitals, and help investors keep more of their income. Putnam Managed Municipal Income Trust offers an additional advantage -- the flexibility to invest in municipal bonds issued by any state in the country.

Municipal bonds are issued by states and local municipalities to raise funds for building and maintaining public facilities. The income from a municipal bond is generally exempt from federal income tax. The bonds are backed by either the issuing city or town or by revenues collected from usage fees, and have varying degrees of credit risk -- the risk that the issuer won to be able to repay the bond.

The fund s management team can select bonds from a variety of state and local governments throughout the United States. The fund also combines bonds of differing credit quality to increase income potential. In addition to investing in high-quality bonds, the team allocates a portion of the portfolio to lower-rated bonds, which may offer higher income in return for more risk. When deciding whether to invest in a bond, the team considers factors such as credit risk, interest-rate risk, and the risk that the bond will be prepaid. Once a bond has been purchased, the team continues to monitor developments that affect the bond market, the sector, and the issuer of the bond. Typically, lower-rated bonds are reviewed more often because of their greater potential risk.

The fund management team is backed by Putnam s fixed-income organization, one of the largest in the investment industry. Putnam municipal bond analysts are grouped into sector teams and conduct ongoing research. Their expertise in highly complex markets is a distinct advantage over smaller firms.

The goal of the management team[s research and active management is to stay a step ahead

Municipal bonds may finance a range of community projects and thus play a key role in local development.

of the industry and pinpoint opportunities to adjust the fund s holdings -- either by acquiring more of a particular bond or selling it -- for the benefit of the fund and its shareholders.

Lower-rated bonds may offer higher yields in return for more risk. Capital gains, if any, are taxable for federal and, in most cases, state purposes. For some investors, investment income may be subject to the federal alternative minimum tax. Income from federally exempt funds may be subject to state and local taxes. Mutual funds that invest in bonds are subject to certain risks, including interest-rate risk, credit risk, and inflation risk. As interest rates rise, the prices of bonds fall. Long-term bonds are more exposed to interest-rate risk than short-term bonds. Unlike bonds, bond funds have ongoing fees and expenses. The fund uses leverage, which involves risk and may increase the volatility of the fund \square NAV.

How do closed-end funds differ from open-end funds?

More assets at work Open-end funds must maintain a cash position to meet redemptions. Closed-end funds need not do so and can keep more of their assets invested in the market.

Traded like stocks Closed-end fund shares are traded on stock exchanges, and their prices fluctuate in response to supply and demand, among other factors.

Market price vs. net asset value

Like an open-end fund snet asset value (NAV) per share, the NAV of a closed-end fund share equals the current value of the fund sassets, minus its liabilities, divided by the number of shares outstanding. When buying or selling closed-end fund shares, you pay or receive the *market price*, which may be higher or lower than the NAV.

Strategies for higher income Closed-end funds have greater flexibility to use strategies such as <code>[leverage]</code> -- for example, issuing preferred shares to raise capital, then seeking to invest it at higher rates to enhance income for common shareholders.

Putnam Managed Municipal Income Trust is a leveraged fund that seeks to provide a high level of current income free from federal income tax through investments in investment-grade and higher-yielding, lower-rated municipal bonds. The fund is designed for investors seeking tax-exempt income and who are willing to accept the risks associated with below-investment-grade bonds and the use of leverage.

Highlights

- For the 12 months ended October 31, 2005, Putnam Managed Municipal Income Trust returned 6.51% at net asset value (NAV) and 4.21% at market price.
- The fund s benchmark, the Lehman Municipal Bond Index, returned 2.54%.
- The average return for the fund□s Lipper category, High Yield Municipal Debt Fund(closed-end), was 8.20%.
- The fund s dividend was reduced to \$0.0381 per share in January 2005 and again to \$0.0341 in une 2005. See page 11 for more information.
- Additional fund performance, comparative performance, and Lipper data can be found in the performance section beginning on page 13.

Performance

It is important to note that a fund sperformance at market price may differ from its results at NAV. Although market price performance generally reflects investment results, it may also be influenced by several other factors, including changes in investor perceptions of the fund or its investment advisor, market conditions, fluctuations in supply and demand for the fund shares, and changes in fund distributions.

Total return for periods ended 10/31/05

Since the fund inception (2/24/89), average annual return is 6.99% at NAV and 5.65% at market price.

		Average annual return		Cumulative return		
	NAV		Market price	NAV	Market price	
10 years	5.23%		3.25%	66.46%	37.70%	
5 years	6.44		0.88	36.65	4.48	
1 year	6.51		4.21	6.51	4.21	

Data is historical. Past performance does not guarantee future results. More recent returns may be less or more than those shown. Investment return, net asset value, and market price will fluctuate, and you may have a gain or a loss when you sell your shares. Performance assumes reinvestment of distributions and does not account for taxes.

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Report from the fund managers

The year in review

During its fiscal year ended October 31, 2005, Putnam Managed Municipal Income Trust outperformed its benchmark, the Lehman Municipal Bond Index, based on results at net asset value (NAV). While your fund invests in both investment-grade and lower-rated municipal bonds, the index is composed only of investment-grade bonds. During the period, lower-rated, higher-yielding bonds performed well due to strong demand fueled by relatively low interest rates and an improving economy. The fund outperformance of the benchmark was due primarily to our overweighting of these bonds. Our use of leverage, which amplifies performance results, was also a contributing factor. Nevertheless, the fund underperformed the average return of funds in its Lipper peer group. We believe this is because it carried a heavier weighting in higher-quality bonds than its competitors, which were also better positioned to take advantage of changes in the yield curve.

Market overview

Signs of solid economic growth, and the desire to curb the potential inflation that often accompanies growth, prompted the Federal Reserve Board (the Fed) to increase short-term interest rates eight times in 0.25% increments during the fund siscal year. As a result, the federal funds rate rose from 1.75% at the beginning of the year to 3.75% by year-end. Yields rose across all maturities during the period and the yield curve flattened as shorter-term rates rose more than those of longer-term bonds. The yield curve is a graphical representation of bond yields with the same quality plotted from the shortest to the longest maturity.

An improving economy and rising corporate earnings contributed to the strong performance of lower-rated bonds. Among uninsured bonds in general and especially bonds rated Baa and below, yield spreads tightened and prices rose as a result of strong interest among both traditional and nontraditional buyers in search of higher

yields. Based on continued favorable legal rulings, yields on tobacco settlement bonds declined overall for the year, and their prices

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rose accordingly. Airline-related industrial development bonds (IDBs) exhibited a high level of volatility and, while the sector outperformed overall, ended the year on weakness as both Northwest and Delta filed for bankruptcy in September 2005. No single state performed notably better than the other states. Callable bonds (which can be redeemed by their issuers before maturity) outperformed non-callable bonds, as investors generally expect that bonds priced to reflect their potential call date will be less sensitive to interest-rate increases.

Strategy overview

Given our expectation of rising interest rates, we maintained a short (defensive) duration position for your portfolio. Duration is a measure of a fund sensitivity to changes in interest rates. Having a shorter-duration portfolio may help protect principal when interest rates are rising, but it can reduce the fund spotential for appreciation when rates fall. Your fund benefited from its defensive duration strategy.

During the period, we took steps to better position the portfolio for a flat-tening yield curve. However, the degree of flattening exceeded our efforts to mitigate its impact, resulting in a net negative contribution to relative results from the fund yield curve position.

The fund \square s underweight to lower-rated bonds, as compared to other funds in its peer group, detracted from results as

Market sector performance

These indexes provide an overview of performance in different market sectors for the 12 months ended 10/31/05.

Bonds	
Lehman Municipal Bond Index (tax-exempt bonds)	2.54%
Lehman Government Bond Index (U.S. Treasury and agency securities)	0.94%
Lehman Intermediate Treasury Bond Index	
(intermediate-maturity U.S. Treasury bonds)	0.00%
Lehman Aggregate Bond Index (broad bond market)	1.13%
Equities	
S&P 500 Index (broad stock market)	8.72%
S&P Utilities Index (utilities stocks)	23.86%
Russell 2000 Growth Index (small-company growth stocks)	10.91%

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securities in this area of the credit spectrum rallied. Although we had sought to increase the fund sexposure to this market segment, we found fewer opportunities among lower-rated credits that met our purchase requirements. An overweight to tobacco settlement bonds relative to the fund speer group contributed to results as this sector outperformed. The fund srelative underweight to airline-related IDBs modestly detracted from results as this sector outperformed for the fiscal year amid high volatility.

During its fiscal year, your fund bene-fited from the pre-refunding of several bond holdings. Through pre-refunding, an issuer brings new bonds to market at current lower interest rates to refinance an older, higher-coupon bond. The issuer then invests the money in a secure investment, typically U.S. Treasury securities, which mature at the older bond first call date, when proceeds are used to pay off the older bonds. The added security that this approach provides is often seen as a credit upgrade by the market, and can increase the price investors are willing to pay for the old bonds. For example, in July, bonds issued by the **Arkansas State Hospital Development Financial Authority for Washington Regional Medical Center** in Fayetteville, Arkansas, were pre-refunded. Their original maturity date (when issued)

Comparison of the fund\(\sigma \) maturity and duration

Average effective maturity also takes into account put and call features, where applicable, and reflects prepayments for mortgage-backed securities.

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was 2029, and they were pre-refunded to 2010, resulting in a credit-rating upgrade.

Our focus on **tobacco settlement bonds** helped your fund performance during its fiscal year. These bonds coupon payments are secured by income from the settlement obligations of tobacco companies to states and municipalities. A separate lawsuit brought in 1999 by the U.S. Department of Justice (DOJ) against the major tobacco companies -- seeking billions of dollars that the DOJ insisted had been obtained fraudulently from the sale of cigarettes -- had posed a threat to this income stream. However, a ruling in February by a panel of the U.S. Court of Appeals for the District of Columbia Circuit against the federal government reassured investors by reducing the potential financial impact of the lawsuit and helping to boost demand and returns in this sector. The fund owns tobacco settlement bonds issued by several states, including **Wisconsin**, **New York**, **South Dakota**, **South Carolina**, **California**, **the District of Columbia**, and **Virginia**.

On the recommendation of Putnam[s analysts, we steered clear of industrial development bonds (IDBs) issued for Delta Airlines and Northwest Airlines. Municipalities issue IDBs, but the bonds are backed by the credit of the company or institution benefiting from the financing. Furthermore, the backing company[s fiscal health typically affects the price of the bonds more than the

Credit quality overview

Credit qualities shown as a percentage of portfolio as of 10/31/05. A bond rated Baa or higher is considered investment grade. The chart reflects Moody\(\) ratings; percentages may include bonds not rated by Moody\(\) but considered by Putnam Management to be of comparable quality. Ratings will vary over time.

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rating of the issuing municipality. We sold all of the fund Is IDBs issued for Delta and Northwest in 2004, before both airlines declared bankruptcy in September 2005. Although some airline-related bonds have outperformed on occasion, we have believed for some time that these bonds offer high risk and poor credit fundamentals. The fund

does maintain small positions in IDBs issued for some of the financially stronger airline companies, such as **American**, **British Airways**, and **Continental**. Our weightings in airline-related bonds remain lighter than other comparable funds, a factor that restrained performance since the sector, while ending the period with some weakness, nevertheless outperformed during the period.

At times, external factors can affect a bond sperformance. For example, while investors seeking attractive yields bid up the price of bonds issued for **Pocahontas Parkway**, a toll road in Virginia, we felt the bonds were at risk of default and thus sold our position. An Australian transportation company has made inquiries regarding a possible purchase of the road, however, and the bonds continued to appreciate. Not holding those bonds detracted from the fund srelative performance.

Please note that the holdings discussed in this report may not have been held by the fund for the entire period discussed, are subject to review in accordance with the fund\(\sigma\) investment strategy, and may vary in the future.

Of special interest

Fund s dividend reduced

Yields have declined significantly across all fixed-income sectors over the course of a prolonged bond-market rally. Additionally, several older holdings were called or matured during the period, requiring reinvestment of the assets at current lower interest rates. To reflect this reduction in earnings, the fund solded was reduced twice during the period from \$0.0417 to \$0.0381 per share in January 2005, and from \$0.0381 to \$0.0341 in June 2005.

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The outlook for your fund

The following commentary reflects anticipated developments that could affect your fund over the next six months, as well as your management team[]s plans for responding to them.

We expect the Fed to maintain its policy of increasing rates into 2006. We also believe that there will be more Fed tightening than is currently anticipated by the market, and that bond yields may begin to rise more quickly as other investors come to the same conclusion. In light of this, we plan to maintain the fund sefensive duration and to continue to increase its exposure to callable bonds, which, in our opinion, are likely to outperform in a rising-rate cycle.

We have a positive view of the single-family housing sector and plan to add selectively to the fund so positions. As the outperformance of lower-rated, higher-yielding bonds slows, we continue to reduce the fund sexposure to this segment of the credit spectrum. We remain bearish on airline-related IDBs, while our view on tobacco settlement bonds is positive.

We will continue to search for the most attractive opportunities among tax-exempt securities, and work to balance the pursuit of current income with prudent risk management.

The views expressed in this report are exclusively those of Putnam Management. They are not meant as investment advice.

Lower-rated bonds may offer higher yields in return for more risk. Capital gains, if any, are taxable for federal and, in most cases, state purposes. For some investors, investment income may be subject to the federal alternative minimum tax. Income from federally exempt funds may be subject to state and local taxes. Mutual funds that invest in bonds are subject to certain risks, including interest-rate risk, credit risk, and inflation risk. As interest rates rise, the prices of bonds fall. Long-term bonds are more exposed to interest-rate risk than short-term bonds. Unlike bonds, bond funds have ongoing fees and expenses. The fund uses leverage, which involves risk and may increase the volatility of the fund snet asset value. The fund shares trade on a stock exchange at market prices, which may be higher or lower than the fund snet asset value.

Your fund s performance

This section shows your fund sperformance during its fiscal year, which ended October 31, 2005. In accordance with regulatory requirements, we also include performance for the most current calendar quarter-end. Performance should always be considered in light of a fund investment strategy. Data represents past performance. Past performance does not guarantee future results. More recent returns may be less or more than those shown. Investment return, net asset value, and market price will fluctuate, and you may have a gain or a loss when you sell your shares.

Fund performance

Total return for periods ended 10/31/05

	NAV	Market price	Lehman Municipal Bond Index	Lipper High Yield Municipal Debt Funds (closed-end) category average*
Annual average Life of fund (since 2/24/89)	6.99%	5.65%	7.01%	6.07%
10 years Annual average	66.46 5.23	37.70 3.25	76.52 5.85	75.01 5.72
5 years Annual average	36.65 6.44	4.48 0.88	33.70 5.98	38.11 6.64
1 year	6.51	4.21	2.54	8.20

Performance assumes reinvestment of distributions and does not account for taxes.

Index and Lipper results should be compared to fund performance at net asset value. Lipper calculations for reinvested dividends may differ from actual performance.

* Over the 1-, 5-, and 10-year periods ended 10/31/05, there were 15, 12, and 12 funds, respectively, in this Lipper category.

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Fund price and distribution information

For the 12-month period ended 10/31/05

Distributions -- common shares

Number		12	
Income ¹		\$0.4519	
Capital gains ²			
Total		\$0.4519	
Distributions Preferred shares	Series A (550 shares)	Series B (550 shares)	Series C (650 shares)
Income ¹	\$2,267.79	\$2,218.26	\$2,205.29
Capital gains ²			
Total	\$2,267.79	\$2,218.26	\$2,205.29
Share value (common shares)		NAV	Market Price
10/31/04		\$8.18	\$7.29
10/31/05		8.20	7.15
Current yield (common shares, end of period) Current dividend rate ²		4.99%	5.72%
Taxable equivalent ³		7.68	8.80

Capital gains, if any, are taxable for federal and, in most cases, state purposes. For some investors, investment income may be subject to the federal alternative minimum tax. Income from federally exempt funds may be subject to state and local taxes.

Fund performance for most recent calendar quarter

Total return for periods ended 9/30/05

	NAV	Market price	
Annual average			
Life of fund (since 2/24/89)	7.05%	5.96%	
10 years	69.81	49.96	

² Most recent distribution, excluding capital gains, annualized and divided by NAV or market price at end of period.

³ Assumes maximum 35% federal tax rate for 2005. Results for investors subject to lower tax rates would not be as advantageous.

Annual average	5.44	4.13
5 years Annual average	38.44 6.72	15.86 2.99
1 year	8.04	9.56

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Your fund s management

Your fund is managed by the members of the Putnam Tax Exempt Fixed-Income Team. David Hamlin is the Portfolio Leader, and Paul Drury, Susan McCormack, and James St. John are Portfolio Members of your fund. The Portfolio Leader and Portfolio Members coordinate the team smanagement of the fund.

For a complete listing of the members of the Putnam Tax Exempt Fixed-Income Team, including those who are not Portfolio Leaders or Portfolio Members of your fund, visit Putnam Is Individual Investor Web site at www.putnam.com.

Fund ownership by the Portfolio Leader and Portfolio Members

The table below shows how much the fund s current Portfolio Leader and Portfolio Members have invested in the fund (in dollar ranges). Information shown is as of October 31, 2005, and October 31, 2004.

	Year	\$0	\$1 - \$10,000	\$10,001 - \$50,000	\$100,001 - \$500,000	\$500,001 - \$1,000,000	
David Hamlin	2005	*					
Portfolio Leader	2004	*					
Paul Drury	2005	*					
Portfolio Member	2004	*					
Susan McCormack	2005	*					
Portfolio Member	2004	*					
James St. John	2005	*					
Portfolio Member	2004	*	_				

Fund manager compensation

The total 2004 fund manager compensation that is attributable to your fund is approximately \$100,000. This amount includes a portion of 2004 compensation paid by Putnam Management to the fund managers listed in this section for their portfolio management responsibilities, calculated based on the fund assets they manage taken as a percentage of the total assets they manage. The compensation amount also includes a portion of the 2004 compensation paid to the Chief Investment Officer of the team and the Group Chief Investment Officer of the fund broader investment category for their oversight responsibilities, calculated based on the fund assets they oversee taken as a percentage of the total assets they oversee. This amount does not include compensation of other personnel involved in research, trading, administration, systems, compliance, or fund operations; nor does it include non-compensation costs. These percentages are determined as of the fund fiscal period-end. For personnel who joined Putnam Management during or after 2004, the calculation reflects annualized 2004 compensation or an estimate of 2005 compensation, as applicable.

Other Putnam funds managed by the Portfolio Leader and Portfolio Members

David Hamlin is the Portfolio Leader and Paul Drury, Susan McCormack, and James St. John are Portfolio Members for Putnam stax-exempt funds for the following states: Arizona, California, Florida, Massachusetts, Michigan, Minnesota, New Jersey, New York, Ohio, and Pennsylvania. The same group also manages Putnam AMT-Free Insured Municipal Fund, Putnam California Investment Grade Municipal Trust, Putnam High Yield Municipal Trust, Putnam Investment Grade Municipal Trust, Putnam Mem York Investment Grade Municipal Trust, Putnam Tax Exempt Income Fund, Putnam Tax-Free Health Care Fund, and Putnam Tax-Free High Yield Fund.

David Hamlin, Paul Drury, Susan McCormack, and James St. John may also manage other accounts and variable trust funds advised by Putnam Management or an affiliate.

Your fund so Portfolio Leader and Portfolio Members did not change during the year ended October 31, 2005.

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The table below shows how much the members of Putnam[s Executive Board have invested in the fund (in dollar ranges). Information shown is as of October 31, 2005, and October 31, 2004.

	Year	\$0	\$1 - \$10,000	\$10,001 - \$50,000	\$50,001- \$100,000	\$100,001 and over
Philippe Bibi	2005	*				
Chief Technology Officer	2004	*				
Joshua Brooks	2005	*				
Deputy Head of Investments	N/A					
William Connolly	2005	*				
Head of Retail Management	N/A					

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Kevin Cronin	2005	*
Head of Investments	2004	*
Charles Haldeman, Jr.	2005	*
President and CEO	2004	*
Amrit Kanwal	2005	*
Chief Financial Officer	2004	*
Steven Krichmar	2005	*
Chief of Operations	2004	*
Francis McNamara, III	2005	*
General Counsel	2004	*
Richard Robie, III	2005	*
Chief Administrative Officer	2004	*
Edward Shadek	2005	*
Deputy Head of Investments	N/A	
Sandra Whiston	2005	*
Head of Institutional Management	N/A	

N/A indicates the individual was not a member of Putnam\(\)s Executive Board as of 10/31/04.

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Terms and definitions

Important terms

Total return shows how the value of the fund s shares changed over time, assuming you held the shares through the entire period and reinvested all distributions in the fund.

Net asset value (NAV) is the value of all your fund \square s assets, minus any liabilities and the net assets allocated to any outstanding preferred shares, divided by the number of outstanding common shares.

Market price is the current trading price of one share of the fund. Market prices are set by transactions between buyers and sellers on exchanges such as the American Stock Exchange and the New York Stock Exchange.

Comparative indexes

Lehman Aggregate Bond Index is an unmanaged index of U.S. investment-grade fixed-income securities.

Lehman Government Bond Index is an unmanaged index of U.S. Treasury and agency securities.

Lehman Intermediate Treasury Bond Index is an unmanaged index of U.S. Treasury securities with maturities between 1 and 10 years.

Lehman Municipal Bond Index is an unmanaged index of long-term fixed-rate investment-grade tax-exempt bonds.

Russell 2000 Growth Index is an unmanaged index of those companies in the small-cap Russell 2000 Index chosen for their growth orientation.

S&P 500 Index is an unmanaged index of common stock performance.

S&P Utilities Index is an unmanaged index of common stock issued by utility companies.

Indexes assume reinvestment of all distributions and do not account for fees. Securities and performance of a fund and an index will differ. You cannot invest directly in an index.

Lipper is a third-party industry-ranking entity that ranks mutual funds. Lipper rankings are based on total return at net asset value and do not reflect sales charges. Funds are ranked among other funds with similar current investment styles or objectives as determined by Lipper. Lipper category averages reflect performance trends for funds within a category.

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Trustee approval of management contract

General conclusions

The Board of Trustees of the Putnam funds oversees the management of each fund and, as required by law, determines annually whether to approve the continuance of your fund management contract with Putnam Management. In this regard, the Board of Trustees, with the assistance of its Contract Committee consisting solely of Trustees who are not interested persons (as such term is defined in the Investment Company Act of 1940, as amended) of the Putnam funds (the independent Trustees), requests and evaluates all information it deems reasonably necessary under the circumstances. Over the course of several months beginning in March and ending in June 2005, the Contract Committee met five times to consider the information provided by Putnam Management and other information developed with the assistance of the Board independent counsel and independent staff. The Contract Committee reviewed and discussed key aspects of this information with all of the Independent Trustees. Upon completion of this review, the Contract Committee recommended and the Independent Trustees approved the continuance of your fund management contract, effective July 1, 2005. This approval was based on the following conclusions:

That the fee schedule currently in effect for your fund, subject to certain changes noted below, represents
reasonable compensation in light of the nature and quality of the services being provided to the fund, the
fees paid by competitive funds and the costs incurred by Putnam Management in providing such services,
and

• That such fee schedule represents an appropriate sharing between fund shareholders and Putnam Management of such economies of scale as may exist in the management of the fund at current asset levels.

These conclusions were based on a comprehensive consideration of all information provided to the Trustees and were not the result of any single factor. Some of the factors that figured particularly in the Trustees deliberations and how the Trustees considered these factors are described below, although individual Trustees may have evaluated the information presented differently, giving different weights to various factors. It is also important to recognize that the fee arrangements for your fund and the other Putnam funds are the result of many years of review and discussion between the Independent Trustees and Putnam Management, that certain aspects of such arrangements may receive greater scrutiny in some years than others, and that the Trustees conclusions may be based, in part, on their consideration of these same arrangements in prior years.

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Model fee schedules and categories; total expenses

The Trustees review of the management fees and total expenses of the Putnam funds focused on three major themes:

* Consistency. The Trustees, working in cooperation with Putnam Management, have developed and implemented a series of model fee schedules for the Putnam funds designed to ensure that each fund management fee is consistent with the fees for similar funds in the Putnam family of funds and compares favorably with fees paid by competitive funds sponsored by other investment advisors. Under this approach, each Putnam fund is assigned to one of several fee categories based on a combination of factors, including competitive fees and perceived difficulty of management, and a common fee schedule is implemented for all funds in a given fee category. The Trustees reviewed the model fee schedule currently in effect for your fund, including fee levels and breakpoints, and the assignment of the fund to a particular fee category under this structure. ([Breakpoints]] refer to reductions in fee rates that apply to additional assets once specified asset levels are reached.)

Since their inception, Putnam sclosed-end funds have generally had management fees that are higher than those of Putnam sopen-end funds pursuing comparable investment strategies. These differences ranged from five to 20 basis points. The Trustees have reexamined this matter and recommend that these differences be conformed to a uniform five basis points. As a result, the Trustees approved a reduction in the management fees for your fund. Under the new fee schedule, the fund pays a quarterly fee to Putnam Management at the lower of the following rates:

- (a) 0.55% of the fund□s average net assets (including assets attributable to both common and preferred shares) or
- (b) 0.65% of the first \$500 million of the fund saverage net assets (including assets attributable to both common and preferred shares);

0.55% of the next \$500 million;

0.50% of the next \$500 million;

0.45% of the next \$5 billion;

0.425% of the next \$5 billion;

0.405% of the next \$5 billion:

0.39% of the next \$5 billion: and

0.38% thereafter.

The new fee schedule for your fund will result in lower management fees paid by common shareholders. The Trustees approved the new fee schedule for your fund effective as of January 1, 2006, in order to provide Putnam Management an opportunity to accommodate the impact on revenues in its budget process for the coming year.

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- Competitiveness. The Trustees also reviewed comparative fee and expense information for competitive funds, which indicated that, in a custom peer group of competitive funds selected by Lipper Inc., your fund ranked in the 50th percentile in management fees and in the 50th percentile in total expenses as of December 31, 2004 (the first percentile being the least expensive funds and the 100th percentile being the most expensive funds). The Trustees expressed their intention to monitor this information closely to ensure that fees and expenses of the Putnam funds continue to meet evolving competitive standards.
- Economies of scale. The Trustees concluded that the fee schedule currently in effect for your fund, subject to the changes noted above, represents an appropriate sharing of economies of scale at current asset levels. Your fund currently has the benefit of breakpoints in its manage- ment fee that provide shareholders with significant economies of scale, which means that the effective management fee rate of a fund (as a percentage of fund assets) declines as a fund grows in size and crosses specified asset thresholds. The Trustees examined the existing breakpoint structure of the Putnam funds management fees in light of competitive industry practices. The Trustees considered various possible modifications to the Putnam Funds current breakpoint structure, but ultimately concluded that the current breakpoint structure continues to serve the interests of fund shareholders. Accordingly, the Trustees continue to believe that the fee schedules currently in effect for the funds, subject to the changes noted above, represent an appropriate sharing of economies of scale at current asset levels.

In connection with their review of the management fees and total expenses of the Putnam funds, the Trustees also reviewed the costs of the services to be provided and profits to be realized by Putnam Management and its affiliates from the relationship with the funds. This information included trends in revenues, expenses and profitability of Putnam Management and its affiliates relating to the investment management and distribution services provided to the funds. In this regard, the Trustees also reviewed an analysis of Putnam Management servenues, expenses and profitability with respect to the funds management contracts, allocated on a fund-by-fund basis.

Investment performance

The quality of the investment process provided by Putnam Management represented a major factor in the Trustees evaluation of the quality of services provided by Putnam Management under your fund management contract. The Trustees were assisted in their review of the funds investment process and performance by the work of the Investment Oversight Committees of the Trustees, which meet on a regular monthly basis with the funds portfolio teams throughout the year. The Trustees concluded that Putnam Management generally provides a high-quality investment process -- as measured by the experience and skills of the individuals assigned to the management of fund portfolios, the resources made available to such personnel, and in general

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the ability of Putnam Management to attract and retain high-quality personnel -- but also recognize that this does not guarantee favorable investment results for every fund in every time period. The Trustees considered the investment performance of each fund over multiple time periods and considered information comparing the fund sperformance with various benchmarks and with the performance of competitive funds. The Trustees noted the satisfactory investment performance of many Putnam funds. They also noted the disappointing investment performance of certain funds in recent years and continued to discuss with senior management of Putnam Management the factors contributing to such underperformance and actions being taken to improve performance. The Trustees recognized that, in recent years, Putnam Management has made significant changes in its investment personnel and processes and in the fund product line to address areas of underperformance. The Trustees indicated their intention to continue to monitor performance trends to assess the effectiveness of these changes and to evaluate whether additional remedial changes are warranted.

In the case of your fund, the Trustees considered that your fund sommon share performance at net asset value (compared using tax-adjusted performance to recognize the different federal income tax treatment for capital gains distributions and exempt-interest distributions) for the one-, three- and five-year periods ended December 31, 2004 (the first percentile being the best-performing funds and the 100th percentile being the worst-performing funds):

One-year period	Three-year period	Five-year period
62nd	46th	30th

(Because of the passage of time, these performance results may differ from the performance results for more recent periods shown elsewhere in this report.)

As a general matter, the Trustees believe that cooperative efforts between the Trustees and Putnam Management represent the most effective way to address investment performance problems. The Trustees believe that investors in the Putnam funds have, in effect, placed their trust in the Putnam organization, under the oversight of the funds Trustees, to make appropriate decisions regarding the management of the funds. Based on the responsiveness of Putnam Management in the recent past to Trustee concerns about investment performance, the Trustees believe that it is preferable to seek change within Putnam Management to address performance shortcomings. In the Trustees view, the alternative of terminating a management contract and engaging a new investment advisor for an underperforming fund would entail significant disruptions and would not provide any greater assurance of improved investment performance.

Brokerage and soft-dollar allocations; other benefits

The Trustees considered various potential benefits that Putnam Management may receive in connection with the services it provides under the management contract with your fund. These include principally benefits related to brokerage and soft-dollar allocations, whereby a portion

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of the commissions paid by a fund for brokerage is earmarked to pay for research services that may be utilized by a fund sinvestment advisor. The Trustees believe that soft-dollar credits and other potential benefits associated with the allocation of fund brokerage, which pertains mainly to funds investing in equity securities, represent assets of the funds that should be used for the benefit of fund shareholders. This area has been marked by significant change in recent years. In July 2003, acting upon the Contract Committee srecommendation, the Trustees directed that allocations of brokerage to reward firms that sell fund shares be discontinued no later than December 31, 2003. In addition, commencing in 2004, the allocation of brokerage commissions by Putnam Management to acquire research services from third-party service providers has been significantly reduced, and continues at a modest level only to acquire research that is customarily not available for cash. The Trustees will continue to monitor the allocation of the funds brokerage to ensure that the principle of best price and execution remains paramount in the portfolio trading process.

The Trustees annual review of your fund smanagement contract also included the review of your fund scustodian agreement with Putnam Fiduciary Trust Company, which provides benefits to affiliates of Putnam Management.

Comparison of retail and institutional fee schedules

The information examined by the Trustees as part of their annual contract review has included for many years information regarding fees charged by Putnam Management and its affiliates to institutional clients such as defined benefit pension plans, college endowments, etc. This information included comparison of such fees with fees charged to the funds, as well as a detailed assessment of the differences in the services provided to these two types of clients. The Trustees observed, in this regard, that the differences in fee rates between institutional clients and the mutual funds are by no means uniform when examined by individual asset sectors, suggesting that differences in the pricing of investment management services to these types of clients reflect to a substantial degree historical competitive forces operating in separate market places. The Trustees considered the fact that fee rates across all asset sectors are higher on average for mutual funds than for institutional clients, as well as the differences between the services that Putnam Management provides to the Putnam funds and those that it provides to institutional clients of the firm, but have not relied on such comparisons to any significant extent in concluding that the management fees paid by your fund are reasonable.

Other information for shareholders

Important notice regarding share repurchase program

In October 2005, the Trustees of your fund authorized Putnam Investments to implement a repurchase program on behalf of your fund, which would allow your fund to repurchase up to 5% of its outstanding shares over the 12 months following the announcement.

Notice regarding 2006 annual shareholder meeting

The 2006 annual meeting of shareholders of your fund is currently expected to be held in June 2006, rather than in October, as was stated in the proxy statement for the 2005 annual meeting. Accordingly, shareholder proposals to be included in the proxy statement for the 2006 meeting must be received by your fund on or before February 10, 2006. Shareholders who wish to make a proposal at the 2006 annual meeting -- other than one that will be included in the fund's proxy materials -- should notify the fund no later than April 26, 2006. Shareholders who wish to propose one or more nominees for election as Trustees, or to make a proposal fixing the number of Trustees, at the 2006 annual meeting must provide written notice to the fund (including all required information) so that such notice is received in good order by the fund no earlier than April 15, 2006 and no later than May 15, 2006. Notices of any such proposals should be addressed to the Clerk of your fund at One Post Office Square, Boston, Massachusetts 02109.

Putnam s policy on confidentiality

In order to conduct business with our shareholders, we must obtain certain personal information such as account holders[] addresses, telephone numbers, Social Security numbers, and the names of their financial advisors. We use this information to assign an account number and to help us maintain accurate records of transactions and account balances. It is our policy to protect the confidentiality of your information, whether or not you currently own shares of our funds, and in particular, not to sell information about you or your accounts to outside marketing firms. We have safeguards in place designed to prevent unauthorized access to our computer systems and procedures to protect personal information from unauthorized use. Under certain circumstances, we share this information with outside vendors who provide services to us, such as mailing and proxy solicitation. In those cases, the service providers enter into confidentiality agreements with us, and we provide only the information necessary to process transactions and perform other services related to your account. We may also share this information with our Putnam affiliates to service your account or provide you with information about other Putnam products or services. It is also our policy to share account information with your financial advisor, if you[] ve listed one on your Putnam account. If you would like clarification about our confidentiality policies or have any questions or concerns, please don[] thesitate to contact us at 1-800-225-1581, Monday through Friday, 8:30 a.m. to 7:00 p.m., or Saturdays from 9:00 a.m. to 5:00 p.m. Eastern Time.

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Proxy voting

Putnam is committed to managing our mutual funds in the best interests of our shareholders. The Putnam funds proxy voting guidelines and procedures, as well as information regarding how your fund voted proxies relating to portfolio securities during the 12-month period ended June 3x;;padding-left:36px;">(2)
The Redemption Amount per unit cannot exceed the **hypothetical** Capped Value.

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Redemption Amount Calculation Examples

Example 1

The Ending Value is 80.00, or 80.00% of the Starting Value:

Starting Value: 100.00

Ending Value: 80.00

= \$8.00 Redemption Amount per unit

Example 2

The Ending Value is 102.00, or 102.00% of the Starting Value:

Starting Value: 100.00 Ending Value: 102.00

= \$10.60 Redemption Amount per unit

Example 3

The Ending Value is 130.00, or 130.00% of the Starting Value:

Starting Value: 100.00 Ending Value: 130.00

= \$19.00, however, because the Redemption Amount for the notes cannot exceed

the Capped Value, the Redemption Amount will be \$11.40 per unit

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Accelerated Return Notes® Linked to the S&P 500® Index, due April , 2020 Risk Factors

There are important differences between the notes and a conventional debt security. An investment in the notes involves significant risks, including those listed below. You should carefully review the more detailed explanation of risks relating to the notes in the Risk Factors sections beginning on page PS-6 of product supplement EQUITY INDICES ARN-1, page S-4 of the Series A MTN prospectus supplement, and page 7 of the prospectus identified above. We also urge you to consult your investment, legal, tax, accounting, and other advisors before you invest in the notes.

Depending on the performance of the Index as measured shortly before the maturity date, your investment may result in a loss; there is no guaranteed return of principal.

Your return on the notes may be less than the yield you could earn by owning a conventional fixed or floating rate debt security of comparable maturity.

Payments on the notes are subject to our credit risk, and the credit risk of BAC, and actual or perceived changes in our or BAC's creditworthiness are expected to affect the value of the notes. If we and BAC become insolvent or are unable to pay our respective obligations, you may lose your entire investment.

Your investment return is limited to the return represented by the Capped Value and may be less than a comparable investment directly in the stocks included in the Index.

We are a finance subsidiary and, as such, will have limited assets and operations.

BAC's obligations under its guarantee of the notes will be structurally subordinated to liabilities of its subsidiaries. The notes issued by us will not have the benefit of any cross-default or cross-acceleration with other indebtedness of BofA Finance or BAC; events of bankruptcy or insolvency or resolution proceedings relating to BAC and covenant breach by BAC will not constitute an event of default with respect to the notes.

The initial estimated value of the notes considers certain assumptions and variables and relies in part on certain forecasts about future events, which may prove to be incorrect. The initial estimated value of the notes is an estimate only, determined as of a particular point in time by reference to our and our affiliates' pricing models. These pricing models consider certain assumptions and variables, including our credit spreads and those of BAC, BAC's internal funding rate on the pricing date, mid-market terms on hedging transactions, expectations on interest rates and volatility, price-sensitivity analysis, and the expected term of the notes. These pricing models rely in part on certain forecasts about future events, which may prove to be incorrect.

The public offering price you pay for the notes will exceed the initial estimated value. If you attempt to sell the notes prior to maturity, their market value may be lower than the price you paid for them and lower than the initial estimated value. This is due to, among other things, changes in the level of the Index, BAC's internal funding rate, and the inclusion in the public offering price of the underwriting discount and the hedging related charge, all as further described in Structuring the Notes on page TS-13. These factors, together with various credit, market and economic factors over the term of the notes, are expected to reduce the price at which you may be able to sell the notes in any secondary market and will affect the value of the notes in complex and unpredictable ways.

The initial estimated value does not represent a minimum or maximum price at which we, BAC, MLPF&S or any of our other affiliates would be willing to purchase your notes in any secondary market (if any exists) at any time. The value of your notes at any time after issuance will vary based on many factors that cannot be predicted with accuracy, including the performance of the Index, our and BAC's creditworthiness and changes in market conditions.

A trading market is not expected to develop for the notes. None of us, BAC or MLPF&S is obligated to make a market for, or to repurchase, the notes. There is no assurance that any party will be willing to purchase your notes at any price in any secondary market.

BAC and its affiliates' hedging and trading activities (including trades in shares of companies included in the Index) and any hedging and trading activities BAC or its affiliates engage in that are not for your account or on your behalf, may affect the market value and return of the notes and may create conflicts of interest with you. The Index sponsor may adjust the Index in a way that affects its level, and has no obligation to consider your interests.

You will have no rights of a holder of the securities represented by the Index, and you will not be entitled to receive securities or dividends or other distributions by the issuers of those securities.

While BAC and our other affiliates may from time to time own securities of companies included in the Index, except to the extent that BAC's common stock is included in the Index, we, BAC and our other affiliates do not control any company included in the Index, and have not verified any disclosure made by any other company. There may be potential conflicts of interest involving the calculation agent, which is an affiliate of ours. We have the right to appoint and remove the calculation agent.

The U.S. federal income tax consequences of the notes are uncertain, and may be adverse to a holder of the notes. See Summary Tax Consequences below and U.S. Federal Income Tax Summary beginning on page PS-26 of product supplement EQUITY INDICES ARN-1.

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Accelerated Return Notes $^{\circledR}$ Linked to the S&P 500 $^{\circledR}$ Index, due April , 2020 The Index

All disclosures contained in this term sheet regarding the Index, including, without limitation, its make-up, method of calculation, and changes in its components, have been derived from publicly available sources. The information reflects the policies of, and is subject to change by, S&P Dow Jones Indices LLC (the Index sponsor). The Index sponsor, which licenses the copyright and all other rights to the Index, has no obligation to continue to publish, and may discontinue publication of, the Index. The consequences of the Index sponsor discontinuing publication of the Index are discussed in the section of product supplement EQUITY INDICES ARN-1 beginning on page PS-20 entitled Description of ARNs—Discontinuance of an Index. None of us, BAC, the calculation agent, or MLPF&S accepts any responsibility for the calculation, maintenance or publication of the Index or any successor index. The Index is intended to provide an indication of the pattern of common stock price movement. The calculation of the level of the Index is based on the relative value of the aggregate market value of the common stocks of 500 companies as of a particular time compared to the aggregate average market value of the common stocks of 500 similar companies during the base period of the years 1941 through 1943.

Eleven main groups of companies constitute the Index, with the approximate percentage of the market capitalization of the Index included in each group as of December 31, 2018 indicated in parentheses: Information Technology (20.1%); Health Care (15.5%); Financials (13.3%); Communication Services (10.1%); Consumer Discretionary (9.9%); Industrials (9.2%); Consumer Staples (7.4%); Energy (5.3%); Utilities (3.3%); Real Estate (3.0%); and Materials (2.7%). The Index sponsor may from time to time, in its sole discretion, add companies to, or delete companies from, the Index to achieve the objectives stated above. As of the close of business on September 21, 2018, the Index Sponsor and MSCI, Inc. updated the Global Industry Classification Sector (GICS) structure. Among other things, the update broadened the Telecommunications Services sector and renamed it the Communication Services sector. The renamed sector includes the previously existing Telecommunication Services Industry group, as well as the Media Industry group, which was moved from the Consumer Discretionary sector and renamed the Media & Entertainment Industry group. The Media & Entertainment Industry group contains three industries: Media, Entertainment and Interactive Media & Services. The Media industry continues to consist of the Advertising, Broadcasting, Cable & Satellite and Publishing sub-industries. The Entertainment industry contains the Movies & Entertainment subindustry (which includes online entertainment streaming companies in addition to companies previously classified in such industry prior to September 21, 2018) and the Interactive Home Entertainment subindustry (which includes companies previously classified in the Home Entertainment Software subindustry prior to September 21, 2018 (when the Home Entertainment Software sub-industry was a subindustry in the Information Technology sector), as well as producers of interactive gaming products, including mobile gaming applications). The Interactive Media & Services industry and sub-industry includes companies engaged in content and information creation or distribution through proprietary platforms, where revenues are derived primarily through pay-per-click advertisements, and includes search engines, social media and networking platforms, online classifieds and online review companies. The GICS structure changes were effective for the S&P 500[®] Index as of the open of business on September 24, 2018 to coincide with the September 2018 quarterly rebalancing.

The Index sponsor calculates the Index by reference to the prices of the constituent stocks of the Index without taking account of the value of dividends paid on those stocks. As a result, the return on the notes will not reflect the return you would realize if you actually owned the Index constituent stocks and received the dividends paid on those stocks.

Computation of the Index

While the Index sponsor currently employs the following methodology to calculate the Index, no assurance can be given that the Index sponsor will not modify or change this methodology in a manner that may affect the Redemption Amount.

Historically, the market value of any component stock of the Index was calculated as the product of the market price per share and the number of then outstanding shares of such component stock. In March 2005, the Index sponsor began shifting the Index halfway from a market capitalization weighted formula to a float-adjusted formula, before moving the Index to full float adjustment on September 16, 2005. The Index sponsor's criteria for selecting stocks for

the Index did not change with the shift to float adjustment. However, the adjustment affects each company's weight in the Index.

Under float adjustment, the share counts used in calculating the Index reflect only those shares that are available to investors, not all of a company's outstanding shares. Float adjustment excludes shares that are closely held by control groups, other publicly traded companies or government agencies.

In September 2012, all shareholdings representing more than 5% of a stock's outstanding shares, other than holdings by block owners, were removed from the float for purposes of calculating the Index. Generally, these control holders will include officers and directors, private equity, venture capital and special equity firms, other publicly traded companies that hold shares for control, strategic partners, holders of restricted shares, ESOPs, employee and family trusts, foundations associated with the company, holders of unlisted share classes of stock, government entities at all levels (other than government retirement/pension funds) and any individual person who controls a 5% or greater stake in a company as reported in regulatory filings. However, holdings by block owners, such as depositary banks, pension funds, mutual funds and ETF providers, 401(k) plans of the company, government retirement/pension funds, investment funds of insurance companies, asset managers and investment funds, independent foundations and savings and investment plans, will ordinarily be considered part of the float.

Treasury stock, stock options, equity participation units, warrants, preferred stock, convertible stock, and rights are not part of the float. Shares held in a trust to allow investors in countries outside the country of domicile, such as depositary shares and Canadian

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exchangeable shares are normally part of the float unless those shares form a control block. If a company has multiple classes of stock outstanding, shares in an unlisted or non-traded class are treated as a control block.

For each stock, an investable weight factor (IWF) is calculated by dividing the available float shares by the total shares outstanding. Available float shares are defined as the total shares outstanding less shares held by control holders. This calculation is subject to a 5% minimum threshold for control blocks. For example, if a company's officers and directors hold 3% of the company's shares, and no other control group holds 5% of the company's shares, the Index sponsor would assign that company an IWF of 1.00, as no control group meets the 5% threshold. However, if a company's officers and directors hold 3% of the company's shares and another control group holds 20% of the company's shares, the Index sponsor would assign an IWF of 0.77, reflecting the fact that 23% of the company's outstanding shares are considered to be held for control. As of July 31, 2017, companies with multiple share class lines are no longer eligible for inclusion in the Index. Constituents of the Index prior to July 31, 2017 with multiple share class lines will be grandfathered in and continue to be included in the Index. If a constituent company of the Index reorganizes into a multiple share class line structure, that company will remain in the Index at the discretion of the S&P Index Committee in order to minimize turnover.

The Index is calculated using a base-weighted aggregate methodology. The level of the Index reflects the total market value of all component stocks relative to the base period of the years 1941 through 1943. An indexed number is used to represent the results of this calculation in order to make the level easier to work with and track over time. The actual total market value of the component stocks during the base period of the years 1941 through 1943 has been set to an indexed level of 10. This is often indicated by the notation 1941- 43 = 10. In practice, the daily calculation of the Index is computed by dividing the total market value of the component stocks by the index divisor. By itself, the index divisor is an arbitrary number. However, in the context of the calculation of the Index, it serves as a link to the original base period level of the Index. The index divisor keeps the Index comparable over time and is the manipulation point for all adjustments to the Index, which is index maintenance.

Index Maintenance

Index maintenance includes monitoring and completing the adjustments for company additions and deletions, share changes, stock splits, stock dividends, and stock price adjustments due to company restructuring or spinoffs. Some corporate actions, such as stock splits and stock dividends, require changes in the common shares outstanding and the stock prices of the companies in the Index, and do not require index divisor adjustments.

To prevent the level of the Index from changing due to corporate actions, corporate actions which affect the total market value of the Index require an index divisor adjustment. By adjusting the index divisor for the change in market value, the level of the Index remains constant and does not reflect the corporate actions of individual companies in the Index. Index divisor adjustments are made after the close of trading and after the calculation of the Index closing level.

Changes in a company's shares outstanding of 5.00% or more due to mergers, acquisitions, public offerings, tender offers, Dutch auctions, or exchange offers are made as soon as reasonably possible. Share changes due to mergers or acquisitions of publicly held companies that trade on a major exchange are implemented when the transaction occurs, even if both of the companies are not in the same headline index, and regardless of the size of the change. All other changes of 5.00% or more (due to, for example, company stock repurchases, private placements, redemptions, exercise of options, warrants, conversion of preferred stock, notes, debt, equity participation units, at-the-market offerings, or other recapitalizations) are made weekly and are announced on Fridays for implementation after the close of trading on the following Friday. Changes of less than 5.00% are accumulated and made quarterly on the third Friday of March, June, September, and December, and are usually announced two to five days prior.

If a change in a company's shares outstanding of 5.00% or more causes a company's IWF to change by five percentage

If a change in a company's shares outstanding of 5.00% or more causes a company's IWF to change by five percentage points or more, the IWF is updated at the same time as the share change. IWF changes resulting from partial tender offers are considered on a case by case basis.

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The following graph shows the daily historical performance of the Index in the period from January 1, 2008 through January 24, 2019. We obtained this historical data from Bloomberg L.P. We have not independently verified the accuracy or completeness of the information obtained from Bloomberg L.P. On January 24, 2019, the closing level of the Index was 2,642.33.

Historical Performance of the Index

This historical data on the Index is not necessarily indicative of the future performance of the Index or what the value of the notes may be. Any historical upward or downward trend in the level of the Index during any period set forth above is not an indication that the level of the Index is more or less likely to increase or decrease at any time over the term of the notes.

Before investing in the notes, you should consult publicly available sources for the levels of the Index.

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The notes are not sponsored, endorsed, sold or promoted by S&P Dow Jones Indices LLC, Dow Jones, S&P or any of their respective affiliates (collectively, S&P Dow Jones Indices). S&P Dow Jones Indices make no representation or warranty, express or implied, to the holders of the notes or any member of the public regarding the advisability of investing in securities generally or in the notes particularly or the ability of the Index to track general market performance. S&P Dow Jones Indices' only relationship to MLPF&S with respect to the Index is the licensing of the Index and certain trademarks, service marks and/or trade names of S&P Dow Jones Indices and/or its third party licensors. The Index is determined, composed and calculated by S&P Dow Jones Indices without regard to us, MLPF&S, or the notes. S&P Dow Jones Indices have no obligation to take our needs, BAC's needs or the needs of MLPF&S or holders of the notes into consideration in determining, composing or calculating the Index. S&P Dow Jones Indices are not responsible for and have not participated in the determination of the prices, and amount of the notes or the timing of the issuance or sale of the notes or in the determination or calculation of the equation by which the notes are to be converted into cash. S&P Dow Jones Indices have no obligation or liability in connection with the administration, marketing or trading of the notes. There is no assurance that investment products based on the Index will accurately track index performance or provide positive investment returns. S&P Dow Jones Indices LLC and its subsidiaries are not investment advisors. Inclusion of a security or futures contract within an index is not a recommendation by S&P Dow Jones Indices to buy, sell, or hold such security or futures contract, nor is it considered to be investment advice. Notwithstanding the foregoing, CME Group Inc. and its affiliates may independently issue and/or sponsor financial products unrelated to the notes currently being issued by us, but which may be similar to and competitive with the notes. In addition, CME Group Inc. and its affiliates may trade financial products which are linked to the performance of the Index. It is possible that this trading activity will affect the value

S&P DOW JONES INDICES DO NOT GUARANTEE THE ADEQUACY, ACCURACY, TIMELINESS AND/OR THE COMPLETENESS OF THE INDEX OR ANY DATA RELATED THERETO OR ANY COMMUNICATION, INCLUDING BUT NOT LIMITED TO, ORAL OR WRITTEN COMMUNICATION (INCLUDING ELECTRONIC COMMUNICATIONS) WITH RESPECT THERETO. S&P DOW JONES INDICES SHALL NOT BE SUBJECT TO ANY DAMAGES OR LIABILITY FOR ANY ERRORS, OMISSIONS, OR DELAYS Accelerated Return Notes® TS-10

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THEREIN. S&P DOW JONES INDICES MAKE NO EXPRESS OR IMPLIED WARRANTIES, AND EXPRESSLY DISCLAIMS ALL WARRANTIES, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE OR AS TO RESULTS TO BE OBTAINED BY US, BAC, MLPF&S, HOLDERS OF THE NOTES, OR ANY OTHER PERSON OR ENTITY FROM THE USE OF THE INDEX OR WITH RESPECT TO ANY DATA RELATED THERETO. WITHOUT LIMITING ANY OF THE FOREGOING, IN NO EVENT WHATSOEVER SHALL S&P DOW JONES INDICES BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS, TRADING LOSSES, LOST TIME OR GOODWILL, EVEN IF THEY HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, WHETHER IN CONTRACT, TORT, STRICT LIABILITY, OR OTHERWISE. THERE ARE NO THIRD PARTY BENEFICIARIES OF ANY AGREEMENTS OR ARRANGEMENTS BETWEEN S&P DOW JONES INDICES AND MLPF&S, OTHER THAN THE LICENSORS OF S&P DOW JONES INDICES.

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Supplement to the Plan of Distribution; Conflicts of Interest

Under our distribution agreement with MLPF&S, MLPF&S will purchase the notes from us as principal at the public offering price indicated on the cover of this term sheet, less the indicated underwriting discount.

The current business of MLPF&S is being reorganized into two affiliated broker-dealers: MLPF&S and a new broker-dealer, BofAML Securities, Inc. (BofAMLS). BofAMLS will be the new legal entity for the institutional services that are now provided by MLPF&S. MLPF&S will be assigning its rights and obligations as selling agent for the notes under our distribution agreement to BofAMLS effective on the Transfer Date. Accordingly, if the pricing date of the notes occurs on or after the Transfer Date, BofAMLS will be responsible for the pricing of the notes. If the settlement date of the notes occurs on or after the Transfer Date, BofAMLS will, subject to the terms and conditions of the distribution agreement, purchase the notes from us as principal on the settlement date. MLPF&S will in turn purchase the notes from BofAMLS for resale, and it will receive a selling concession in connection with the sale of the notes in an amount up to the full amount of underwriting discount set forth on the cover of this term sheet. MLPF&S, a broker-dealer subsidiary of BAC, is a member of the Financial Industry Regulatory Authority, Inc. (FINRA) and will participate as selling agent in the distribution of the notes. Accordingly, offerings of the notes will conform to the requirements of Rule 5121 applicable to FINRA members. MLPF&S may not make sales in this offering to any of its discretionary accounts without the prior written approval of the account holder.

We may deliver the notes against payment therefor in New York, New York on a date that is greater than two business days following the pricing date. Under Rule 15c6-1 of the Securities Exchange Act of 1934, trades in the secondary market generally are required to settle in two business days, unless the parties to any such trade expressly agree otherwise. Accordingly, if the initial settlement of the notes occurs more than two business days from the pricing date, purchasers who wish to trade the notes more than two business days prior to the original issue date will be required to specify alternative settlement arrangements to prevent a failed settlement.

The notes will not be listed on any securities exchange. In the original offering of the notes, the notes will be sold in minimum investment amounts of 100 units. If you place an order to purchase the notes, you are consenting to MLPF&S acting as a principal in effecting the transaction for your account.

MLPF&S may repurchase and resell the notes, with repurchases and resales being made at prices related to then-prevailing market prices or at negotiated prices, and these will include MLPF&S's trading commissions and mark-ups. MLPF&S may act as principal or agent in these market-making transactions; however, it is not obligated to engage in any such transactions. At MLPF&S's discretion, for a short, undetermined initial period after the issuance of the notes, MLPF&S may offer to buy the notes in the secondary market at a price that may exceed the initial estimated value of the notes. Any price offered by MLPF&S for the notes will be based on then-prevailing market conditions and other considerations, including the performance of the Index and the remaining term of the notes. However, neither we nor any of our affiliates is obligated to purchase your notes at any price, or at any time, and we cannot assure you that we or any of our affiliates will purchase your notes at a price that equals or exceeds the initial estimated value of the notes.

The value of the notes shown on your account statement will be based on MLPF&S's estimate of the value of the notes if MLPF&S or another of our affiliates were to make a market in the notes, which it is not obligated to do. That estimate will be based upon the price that MLPF&S may pay for the notes in light of then-prevailing market conditions and other considerations, as mentioned above, and will include transaction costs. At certain times, this price may be higher than or lower than the initial estimated value of the notes.

An investor's household, as referenced on the cover of this term sheet, will generally include accounts held by any of the following, as determined by MLPF&S in its discretion and acting in good faith based upon information then available to MLPF&S:

the investor's spouse (including a domestic partner), siblings, parents, grandparents, spouse's parents, children and grandchildren, but excluding accounts held by aunts, uncles, cousins, nieces, nephews or any other family relationship not directly above or below the individual investor;

a family investment vehicle, including foundations, limited partnerships and personal holding companies, but only

if the beneficial owners of the vehicle consist solely of the investor or members of the investor's household as described above; and

a trust where the grantors and/or beneficiaries of the trust consist solely of the investor or members of the investor's household as described above; provided that, purchases of the notes by a trust generally cannot be aggregated together with any purchases made by a trustee's personal account.

Purchases in retirement accounts will not be considered part of the same household as an individual investor's personal or other non-retirement account, except for individual retirement accounts (IRAs), simplified employee pension plans (SEPs), savings incentive match plan for employees (SIMPLEs), and single-participant or owners only accounts (i.e., retirement accounts held by self-employed individuals, business owners or partners with no employees other than their spouses).

Please contact your Merrill Lynch financial advisor if you have any questions about the application of these provisions to your specific circumstances or think you are eligible.

Accelerated Return Notes®

TS-12

Accelerated Return Notes® Linked to the S&P $500^{\$}$ Index, due April , 2020 Structuring the Notes

The notes are our debt securities, the return on which is linked to the performance of the Index. The related guarantees are BAC's obligations. As is the case for all of our and BAC's respective debt securities, including our market-linked notes, the economic terms of the notes reflect our and BAC's actual or perceived creditworthiness at the time of pricing. In addition, because market-linked notes result in increased operational, funding and liability management costs to us and BAC, BAC typically borrows the funds under these types of notes at a rate that is more favorable to BAC than the rate that it might pay for a conventional fixed or floating rate debt security. This rate, which we refer to in this term sheet as BAC's internal funding rate, is typically lower than the rate BAC would pay when it issues conventional fixed or floating rate debt securities. This generally relatively lower internal funding rate, which is reflected in the economic terms of the notes, along with the fees and charges associated with market-linked notes, typically results in the initial estimated value of the notes on the pricing date being less than their public offering price.

At maturity, we are required to pay the Redemption Amount to holders of the notes, which will be calculated based on the performance of the Index and the \$10 per unit principal amount. In order to meet these payment obligations, at the time we issue the notes, we may choose to enter into certain hedging arrangements (which may include call options, put options or other derivatives) with MLPF&S or one of our other affiliates. The terms of these hedging arrangements are determined by seeking bids from market participants, including MLPF&S and its affiliates, and take into account a number of factors, including our and BAC's creditworthiness, interest rate movements, the volatility of the Index, the tenor of the notes and the tenor of the hedging arrangements. The economic terms of the notes and their initial estimated value depend in part on the terms of these hedging arrangements.

MLPF&S has advised us that the hedging arrangements will include a hedging related charge of approximately \$0.075 per unit, reflecting an estimated profit to be credited to MLPF&S from these transactions. Since hedging entails risk and may be influenced by unpredictable market forces, additional profits and losses from these hedging arrangements may be realized by MLPF&S or any third party hedge providers.

For further information, see Risk Factors—General Risks Relating to ARNs beginning on page PS-6 and Use of Proceeds on page PS-16 of product supplement EQUITY INDICES ARN-1.

MLPF&S Reorganization

As discussed above under Supplement to the Plan of Distribution; Conflicts of Interest , the current business of MLPF&S is being reorganized into two affiliated broker-dealers. Effective on the Transfer Date, BofAMLS will be the new legal entity for the institutional services that are now provided by MLPF&S. As such, beginning on the Transfer Date, the institutional services currently being provided

by MLPF&S, including acting as selling agent for the notes, acting as calculation agent for the notes, acting as principal or agent in secondary market-making transactions for the notes, estimating the value of the notes using pricing models, and entering into hedging arrangements with respect to the notes, are expected to be provided by BofAMLS. Accordingly, references to MLPF&S in this term sheet as such references relate to MLPF&S's institutional services, such as those described above, should be read as references to

BofAMLS to the extent these services are to be performed on or after the Transfer Date

Accelerated Return Notes® TS-13

Linked to the S&P 500® Index, due April, 2020

Summary Tax Consequences

You should consider the U.S. federal income tax consequences of an investment in the notes, including the following:

There is no statutory, judicial, or administrative authority directly addressing the characterization of the notes.

You agree with us (in the absence of an administrative determination, or judicial ruling to the contrary) to characterize and treat the notes for all tax purposes as a single financial contract with respect to the Index. Under this characterization and tax treatment of the notes, a U.S. Holder (as defined beginning on page 50 of the prospectus) generally will recognize capital gain or loss upon maturity or upon a sale or exchange of the notes prior to maturity. This capital gain or loss generally will be long-term capital gain or loss if you held the notes for more than one year.

No assurance can be given that the Internal Revenue Service (IRS) or any court will agree with this characterization and tax treatment.

Under current IRS guidance, withholding on dividend equivalent payments (as discussed in the product supplement), if any, will not apply to notes that are issued as of the date of this pricing supplement unless such notes are delta-one instruments.

You should consult your own tax advisor concerning the U.S. federal income tax consequences to you of acquiring, owning, and disposing of the notes, as well as any tax consequences arising under the laws of any state, local, foreign, or other tax jurisdiction and the possible effects of changes in U.S. federal or other tax laws. You should review carefully the discussion under the section entitled U.S. Federal Income Tax Summary beginning on page PS-26 of product supplement EQUITY INDICES ARN-1. In addition, any reference to Morrison & Foerster LLP in the aforementioned tax discussions in product supplement EQUITY INDICES ARN-1 should be read as a reference to Sidley Austin LLP.

Where You Can Find More Information

We and BAC have filed a registration statement (including a product supplement, a prospectus supplement, and a prospectus) with the SEC for the offering to which this term sheet relates. Before you invest, you should read the Note Prospectus, including this term sheet, and the other documents relating to this offering that we and BAC have filed with the SEC, for more complete information about us, BAC and this offering. You may get these documents without cost by visiting EDGAR on the SEC website at www.sec.gov. Alternatively, we, any agent, or any dealer participating in this offering will arrange to send you these documents if you so request by calling MLPF&S toll-free at 1-800-294-1322.

Market-Linked Investments Classification

MLPF&S classifies certain market-linked investments (the Market-Linked Investments) into categories, each with different investment characteristics. The following description is meant solely for informational purposes and is not intended to represent any particular Enhanced Return Market-Linked Investment or guarantee any performance. Enhanced Return Market-Linked Investments are short- to medium-term investments that offer you a way to enhance exposure to a particular market view without taking on a similarly enhanced level of market downside risk. They can be especially effective in a flat to moderately positive market (or, in the case of bearish investments, a flat to moderately negative market). In exchange for the potential to receive better-than market returns on the linked asset, you must generally accept market downside risk and capped upside potential. As these investments are not market downside protected, and do not assure full repayment of principal at maturity, you need to be prepared for the possibility that you may lose all or part of your investment.

Accelerated Return Note® and ARNs are BAC's registered service marks.

Accelerated Return Notes® TS-14