### Administration and Projects Committee STAFF REPORT

**Meeting Date:** June 4, 2015

<table>
<thead>
<tr>
<th>Subject</th>
<th>Approval of the Authority’s Investment Policy for FY 2015-16</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Summary of Issues</strong></td>
<td>Each year the Authority reviews its investment policy and refines it to conform to any new State regulations or current best practices for the investment of public funds. The policy has been reviewed and the inclusion of Supranational bonds is recommended as a permitted investment.</td>
</tr>
<tr>
<td><strong>Recommendations</strong></td>
<td>Staff seeks approval of Resolution 15-37-A which will adopt the Authority’s Investment Policy for FY 2015-16.</td>
</tr>
<tr>
<td><strong>Financial Implications</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>Options</strong></td>
<td>Provide other direction.</td>
</tr>
</tbody>
</table>
| **Attachments** | A. Proposed Authority Investment Policy for FY 2015-16  
B. Resolution 15-37-A  
C. Memo from PFM Asset Management dated May 20, 2015 |

### Background

Each year the Authority reviews its investment policy to ensure that it continues to comply with the California Government Code (Code) related to the investment of public funds. The Authority’s investment policy augments the Code by adding provisions of interest to the Authority, such as investment objectives, permitted investments, credit quality, scope, procedures, delegations, reporting standards, etc. The Code and the Authority’s policy help ensure that assets are invested in safe, liquid and suitable securities. Incorporating such controls, limits and principles into a statement of investment policy is a best practice recommended for public agencies by the Government Finance Officers Association.
Upon review of permitted investments available to the Authority, State law has recently approved the inclusion of supranational bonds. Supranationals are United States based financial agencies that are capitalized by member countries. The obligations are rated AAA by most Nationally Recognized Statistical Rating Organizations (NRSROs) and are highly liquid. These agencies are similar in concept to other United States sponsored agencies already permitted by the Authority’s investment policy. The inclusion of supranationals will provide for a new, safe and liquid asset class. The addition of a new highly rated agency type security is especially important as other issuers in this class are winding down their operations, such as the Federal Home Loan Mortgage Corporation and Federal National Mortgage Association.

In conjunction with the discussion of the proposed investment policy, staff and the Authority’s investment advisor, PFM Asset Management, will present a report on the status of the Authority’s investment portfolio.
Investment Policy
Fiscal Year 2015-16

I. Introduction

The investment policies and practices of the Contra Costa Transportation Authority (the Authority) are based on the principles of prudent money management and on the California Government Code Sections regulating the investment of public funds.

Investment of Authority funds is to be done in accordance with this Investment Policy. The investment of certain funds such as bond reserve funds may be further restricted by covenants or provisions of the relevant agreements or documents.

The purpose of this document is: A) to identify the policies and procedures that guide the investment of Authority funds and B) to formalize the reporting requirements of investment-related activities.

II. Scope

It is intended that this Investment Policy will encompass all funds and investment activities that are under the direction of the Authority.

III. Prudence

Investments shall be made with judgment and care—under the circumstances then prevailing—which persons of prudence, discretion, and intelligence exercise in the management of their own affairs, not for speculation, but for investment, considering the probable safety of their capital as well as the probable income to be derived.

The standard of prudence to be used by investment officials shall be the "prudent investor" standard and shall be applied in the context of managing an overall portfolio. Investment officers acting in accordance with written procedures and the Investment Policy and exercising due diligence shall be relieved of personal responsibility for an individual security's credit risk or market price changes, provided deviations from expectations are reported in a timely fashion and appropriate action is taken to control adverse developments.

IV. Objectives

The primary objectives, in priority order, of the Authority's investment activities shall be:
1. Safety. Safety of principal is the foremost objective of the investment program. The Authority's investments shall be undertaken in a manner that seeks to ensure the preservation of capital in the portfolio.

2. Liquidity. The Authority's investment portfolio will remain sufficiently liquid to enable the Authority to meet its cash flow requirements.

3. Return on Investment. The Authority's investment portfolio shall be designed with the objective of attaining a market rate of return on its investments consistent with the constraints imposed by its safety and liquidity objectives. The Authority purchases all its investments with the intent to hold to maturity, but does not preclude sales before maturity for cash flow purposes, or if it can be demonstrated that the transaction will benefit the portfolio and achieve the investment goals of the Authority prudently.

V. Delegation of Authority

The management responsibility for the investment program is hereby delegated to the Chief Financial Officer who shall monitor and review all investments for consistency with this investment policy. No person may engage in an investment transaction except as provided under the limits of this policy. The Authority may delegate its investment recommendation and execution authority to an investment advisor. The advisor shall follow the policy and such other written instructions as provided.

VI. Ethics and Conflict of Interest

Officers and employees involved in the investment process shall not participate in personal business activities that could conflict with proper execution of the investment program, or which could impair their ability to make impartial decisions.

VII. Internal Controls

The Authority shall establish a set of internal control procedures which shall be documented in writing. The internal controls will be reviewed by the Authority and with the independent auditor. The controls shall be designed to prevent employee error, misrepresentations by third parties, unanticipated changes in financial markets, or imprudent actions by officers or employees of the Authority.

VIII. Selection of Financial Institutions and Broker/Dealers

To provide for the optimum yield in the Authority's portfolio, the Authority's procedures shall be designed to encourage a competitive environment on transactions from an approved list of broker/dealers.
The Chief Financial Officer, or the Authority’s investment advisor, shall maintain a list of authorized broker/dealers and financial institutions that are approved for investment purposes. This list will be developed after a comprehensive credit and capitalization analysis indicates the firm is adequately financed to conduct business with public entities. It shall be the policy of the Authority to purchase securities only from those authorized institutions or firms.

IX. Maximum Maturity

Investment maturities shall be based on a review of cash flow forecasts. Maturities will be scheduled so as to permit the Authority to meet all projected obligations.

Unless otherwise specified in this section, no investment shall be made in any security, other than a security underlying a repurchase or reverse repurchase agreement as permitted by this policy, which at the time of the investment has a term remaining to maturity in excess of five years. The Authority may not invest in a security whose maturity exceeds five years from the date of purchase unless the Authority Board has provided approval for a specific purpose at least 3 months before the investment is made.

X. Permitted Investment Instruments

The Authority will limit investments in any one non-government issuer, except investment pools, to no more than 5% regardless of security type.

1. Government obligations for which the full faith and credit of the United States are pledged for the payment of principal and interest.

2. Federal agency or United States government-sponsored enterprise obligations, participations, or other instruments, including those issued by or fully guaranteed as to principal and interest by federal agencies or United States government-sponsored enterprises.

3. Repurchase Agreements used solely as short-term investments not to exceed 90 days to maturity.

The following collateral restrictions will be observed: Only U.S. Treasury securities or Federal Agency securities, as described in Section X.1 and X.2 above, will be acceptable collateral. All securities underlying Repurchase Agreements must be delivered to the Authority’s custodian bank versus payment or be handled under a tri-party repurchase agreement. The total of all collateral for each Repurchase Agreement must equal or exceed, on the basis of market value plus accrued interest, 102 percent of the total dollar value of the money invested by the Authority for the term of the investment. Since the market value of the underlying securities is subject to daily market fluctuations, the investments in repurchase agreements shall be in compliance
if the value of the underlying securities is brought back up to 102 percent no later than the next business day. For any Repurchase Agreement with a term of more than one day, the value of the underlying securities must be reviewed on a regular basis. Market value must be calculated each time there is a substitution of collateral. The Authority or its trustee shall have a perfected first security interest under the Uniform Commercial Code in all securities subject to Repurchase Agreement.

The Authority may enter into Repurchase Agreements with (1) primary dealers in U.S. Government securities who are eligible to transact business with, and who report to, the Federal Reserve Bank of New York, and (2) California and non-California banking institutions having assets in excess of $1 billion and having obligations in the highest short-term rating category as provided by a Nationally Recognized Statistical Rating Organization (NRSRO). The Authority will have specific written agreements with each firm with which it enters into Repurchase Agreements.

Reverse repurchase agreements will not be offered without the prior specific consent of the Authority. If a reverse repurchase agreement is authorized, it may be utilized only if the security to be sold on reverse repurchase agreement has been owned and fully paid for by the Authority for a minimum of 30 days prior to the sale; the total of all reverse repurchase agreements on investments owned by the Authority does not exceed 20 percent of the base value of the portfolio; and the agreement does not exceed a term of 92 days, unless the agreement includes a written codicil guaranteeing a minimum earning or spread for the entire period between the sale of the security using a reverse repurchase agreement and the final maturity date of the same security.

4. Obligations of the State of California or any local agency within the state, including bonds payable solely out of revenues from a revenue-producing property owned, controlled or operated by the state or any local agency or by a department, board, agency or authority of the state or any local agency.

5. Registered treasury notes or bonds of any of the other 49 states in addition to California, including bonds payable solely out of the revenues from a revenue-producing property owned, controlled, or operated by a state, or by a department, board, agency, or authority of any of such states.

6. Bankers' Acceptances issued by domestic or foreign banks, which are eligible for purchase by the Federal Reserve System, the short-term paper of which is rated in the highest category by a nationally recognized statistical rating organization (NRSRO).
Purchases of Bankers' Acceptances may not exceed 180 days maturity or 40 percent of the Authority's surplus money.

7. Commercial paper rated in the highest short-term rating category, as provided by a nationally recognized statistical rating organization NRSRO. The entity that issues the commercial paper shall meet all of the following conditions in either of the paragraphs following:

The entity meets the following criteria: (A) is organized and operating in the United States as a general corporation; (B) has total assets in excess of five hundred million dollars ($500,000,000); and (C) has debt other than commercial paper, if any, that is rated "A" or higher by a NRSRO nationally recognized statistical-rating organization.

The entity meets the following criteria: (A) is organized within the United States as a special purpose corporation, trust, or limited liability company; (B) has program wide credit enhancements including, but not limited to, over collateralization, letters of credit, or surety bond; and (C) has commercial paper that is rated "A-1" or higher, or the equivalent, by a NRSRO nationally recognized statistical rating organization.

Eligible commercial paper shall have a maximum maturity of 270 days or less. No more than 25 percent of the Authority’s portfolio may be invested in eligible commercial paper and the Authority may purchase no more than 10 percent of the outstanding commercial paper of any single issuer.

8. Medium-term notes, defined as all corporate and depository institution debt securities with a maximum remaining maturity of five years or less, issued by corporations organized and operating within the United States or by depository institutions licensed by the U.S. or any state and operating within the U.S. Medium-term corporate notes shall be rated in a rating category "AA" or its equivalent or better by a NRSRO nationally recognized rating service.

Purchase of medium-term corporate notes may not exceed 30 percent of the agency's surplus money.

9. Any mortgage pass-through security, collateralized mortgage obligation, mortgage-backed or other pay-through bond, equipment lease-back certificate, consumer receivable pass-through certificate, or consumer receivable-backed bond of a maximum of five years maturity. Eligible securities must be rated, by a nationally recognized rating service, as "AA" or higher, and the issuer of the security must have an "A" or higher rating for its debt as provided by a NRSRO nationally recognized rating service. No more than 10 percent of the agency’s surplus funds may be invested in this type of security.
10. FDIC insured or fully collateralized time certificates of deposit in financial institutions located in California.

11. Negotiable certificates of deposit or deposit notes issued by a nationally or state-chartered bank or a state or federal savings and loan association or by a federally-licensed or state-licensed branch of a foreign bank; provided that the issuing entity is domiciled senior debt obligations of the issuing institution are rated "AA" or better by a NRSRO, nationally recognized statistical rating organization. Purchase of negotiable certificates of deposit may not exceed 30 percent of the Authority's surplus money.

12. State of California's Local Agency Investment Fund (LAIF). The LAIF portfolio should be reviewed periodically.

13. Insured savings account or money market account.


15. Shares of beneficial interest issued by diversified management companies that are money market funds registered with the federal Securities and Exchange Commission under the Investment Company Act of 1940 (15 U.S.C. Sec. 80a-1, et seq.). To be eligible for investment pursuant to this subdivision, these companies shall either: (1) attain the highest ranking or the highest letter and numerical rating provided by not less than two nationally recognized statistical rating organizations NRSROs; or (2) retain an investment adviser registered or exempt from registration with the Securities and Exchange Commission with not less than five years experience managing money market mutual funds with assets under management in excess of five hundred million dollars ($500,000,000). The purchase price of shares shall not exceed 20 percent of the Authority's surplus money. No more than 5% can be invested in any one mutual fund.

16. Supranationals, defined as United States dollar denominated senior unsecured unsubordinated obligations issued or unconditionally guaranteed by the International Bank for Reconstruction and Development, International Finance Corporation, or Inter-American Development Bank, and eligible for purchase and sale within the United States. These securities shall be rated in one of the two highest rating categories by a NRSRO. Purchases of supranationals shall not exceed 30 percent of the cost value of the portfolio nor exceed a five-year term.

Credit criteria listed in this section refer to the credit of the issuing organization at the time the security is purchased. If a credit rating falls below the criteria stated, Authority should be notified. In the event a rating drops below “A,” the Authority’s
investment manager should notify the Chief Financial Officer along with a recommendation of whether to hold or sell the particular security.

Additional investment requirements may be included in the provisions of relevant bond documents. The percentage limitation for a particular category of investment refers to the percentage on the date the security is purchased.

XI. Ineligible Investments

Any security type or structure not specifically approved by this policy is hereby specifically prohibited. Security types which are thereby prohibited include, but are not limited to:

1. “Complex” derivative structures such as range notes, dual index notes, inverse floaters, leveraged or de-leveraged floating-rate notes, or any other complex variable-rate or structured note.

2. Interest-only strips that are derived from a pool of mortgages, or any (non-Discount) security that could result in zero interest accrual if held to maturity.

XII. Reporting Requirements

Within 60 days following the end of each calendar quarter, the Chief Financial Officer shall prepare a quarterly investment report as recommended in California Government Code Section 53646, and shall then render such to the Executive Director, the Administration and Projects Committee, and the Authority Board. The quarterly report shall include summaries of the specific transactions and an analysis of the Authority’s portfolio including composition, credit quality, and maturity distribution. The Chief Financial Officer shall annually render to the Board a statement of investment policy, which the Board shall consider at a public meeting.

XIII. Safekeeping and Custody

The assets of the Authority shall be secured through the third-party custody and safekeeping procedures and arrangements under a trust agreement approved by the Board. Bearer instruments shall be held only through third-party institutions. Collateralized securities such as repurchase agreements shall be purchased using the delivery versus payment procedure.
**Glossary**

**Bankers’ Acceptances** are short-term credit arrangements to enable businesses to obtain funds to finance commercial transactions. They are time drafts drawn on a bank by an exporter or importer to obtain funds to pay for specific merchandise. By its acceptance, the bank becomes primarily liable for the payment of the draft at maturity. An acceptance is a high-grade negotiable instrument.

**Benchmark.** A market index used as a comparative basis for measuring the performance of an investment portfolio. A performance benchmark should represent a close correlation to investment guidelines, risk tolerance and duration of the actual portfolio's investments.

**Broker-Dealer** is a person or a firm who can act as a broker or a dealer depending on the transaction. A broker brings buyers and sellers together for a commission. They do not take a position. A dealer acts as a principal in all transactions, buying and selling for his own account.

**Certificates Of Deposit**

1. **Negotiable Certificates of Deposit** are large-denomination CDs. They are issued at face value and typically pay interest at maturity, if maturing in less than 12 months. CDs that mature beyond this range pay interest semi-annually. Negotiable CDs are issued by U.S. banks (domestic CDs), U.S. branches of foreign banks (Yankee CDs), and thrifts. There is an active secondary market for negotiable domestic and Yankee CDs. However, the negotiable thrift CD secondary market is limited. Yields on CDs exceed those on U.S. treasuries and agencies of similar maturities. This higher yield compensates the investor for accepting the risk of reduced liquidity and the risk that the issuing bank might fail. State law does not require the collateralization of negotiable CDs.

2. **Non-negotiable Certificates of Deposit** are time deposits with financial institutions that earn interest at a specified rate for a specified term. Liquidation of the CD prior to maturity incurs a penalty. There is no secondary market for these instruments, therefore, they are not liquid. They are classified as public deposits, and financial institutions are required to collateralize them. Collateral may be waived for the portion of the deposits that are covered by FDIC insurance.

**Collateral** refers to securities, evidence of deposits, or other property that a borrower pledges to secure repayment of a loan. It also refers to securities pledged by a bank to secure deposits. In California, repurchase agreements, reverse repurchase agreements, and public deposits must be collateralized.

**Commercial Paper** is a short term, unsecured, promissory note issued by a corporation to raise working capital.
**Duration.** Measure of the sensitivity of the price (the value of principal) of a fixed income investment to a change in interest rates.

**Federal Agency Obligations** are issued by U.S. Government Agencies or Government Sponsored Enterprises (GSE). Although they were created or sponsored by the U.S. Government, most Agencies and GSEs are not guaranteed by the United States Government. Examples of these securities are notes, bonds, bills and discount notes issued by Fannie Mae (FNMA), Freddie Mac (FHLMC), the Federal Home Loan Bank system (FHLB), and Federal Farm Credit Bank (FFCB). The Agency market is a very large and liquid market, with billions traded every day.

**Issuer** means any corporation, governmental unit, or financial institution that borrows money through the sale of securities.

**Liquidity** refers to the ease and speed with which an asset can be converted into cash without loss of value. In the money market, a security is said to be liquid if the difference between the bid and asked prices is narrow and reasonably sized trades can be done at those quotes.

**Local Agency Investment Fund (LAIF)** is a special fund in the State Treasury that local agencies may use to deposit funds for investment. There is no minimum investment period and the minimum transaction is $5,000, in multiples of $1,000 above that, with a maximum of $50 million for any California public agency. It offers high liquidity because deposits can be converted to cash in twenty-four hours and no interest is lost. All interest is distributed to those agencies participating on a proportionate share determined by the amounts deposited and the length of time they are deposited. Interest is paid quarterly via direct deposit to the agency’s LAIF account. The State keeps an amount for reasonable costs of making the investments, not to exceed one-quarter of one per cent of the earnings.

**Market Value** is the price at which a security is trading and could presumably be purchased or sold.

**Maturity** is the date upon which the principal or stated value of an investment becomes due and payable.

**Medium-Term Notes** are debt obligations issued by corporations and banks, usually in the form of unsecured promissory notes. These are negotiable instruments that can be bought and sold in a large and active secondary market. For the purposes of California Government Code, the term “Medium Term” refers to a maximum remaining maturity of five years or less. They can be issued with fixed or floating-rate coupons, and with or without early call features, although the vast majority are fixed-rate and non-callable. Corporate notes have greater risk than Treasuries or Agencies because they rely on the ability of the issuer to make payment of principal and interest.

**Money Market Fund** is a type of investment comprising a variety of short-term securities with high quality and high liquidity. The fund provides interest to shareholders and must strive to maintain a stable net asset value (NAV) of $1 per share.
Principal describes the original cost of a security. It represents the amount of capital or money that the investor pays for the investment.

Repurchase Agreements are short-term investment transactions. Banks buy temporarily idle funds from a customer by selling him U.S. Government or other securities with a contractual agreement to repurchase the same securities on a future date at an agreed upon interest rate. Repurchase Agreements are typically for one to ten days in maturity. The customer receives interest from the bank. The interest rate reflects both the prevailing demand for Federal Funds and the maturity of the Repo. Repurchase Agreements must be collateralized.

Supranationals are bonds issued by institutions established by agreements among participating nations and based in the United States. Supernational bonds finance economic and infrastructure development and support environmental protection, poverty reduction, and renewable energy around the globe.

Total Return. Investment performance measured over a period of time that includes coupon interest and interest on interest net of amortization of premiums or discounts, as well as both realized and unrealized gains or losses. Total return includes, therefore, any market value appreciation/depreciation on investments held at period end.

U.S. Treasury Issues are direct obligations of the United States Government. They are highly liquid and are considered the safest investment security. U.S. Treasury issues include:

1. Treasury Bills which are non-interest-bearing discount securities issued by the U.S. Treasury to finance the national debt. Bills are currently issued in one, three, six, and twelve month maturities.

2. Treasury Notes that have original maturities of one to ten years.

3. Treasury Bonds that have original maturities of greater than 10 years.

Yield to Maturity is the rate of income return on an investment, minus any premium above par or plus any discount with the adjustment spread over the period from the date of the purchase to the date of maturity of the bond.
Resolution 15-37-A

RE: APPROVAL OF THE AUTHORITY’S INVESTMENT POLICY FOR FY 2015-16

WHEREAS, the Contra Costa Transportation Authority (Authority) is entrusted with the safeguarding and prudent use of funds it receives from the local sales tax and other sources; and

WHEREAS, California Government Code delineates permitted investments of these funds, as it relates to the Authority; and

WHEREAS, the Government Finance Officers Association recommends as a best practice that public agencies establish a policy on the investment of public funds; and

WHEREAS, the Authority and its investment advisor PFM Asset Management, LLC have reviewed the Investment Policy and amended it to ensure that such policies are current and provide for reasonable safeguards for the investment of public funds; and

NOW, THEREFORE, BE IT RESOLVED, that the Authority adopts its Investment Policy as included in Attachment A to this resolution.

Julie K. Pierce, Chair

This RESOLUTION was entered into at a Meeting of the Contra Costa Transportation Authority held June 17, 2015 in Walnut Creek, California

Attest: 

Danice J. Rosenbohm, Executive Secretary
May 20, 2015

Memorandum

To:         Randall Carlton, CFO
            Contra Costa Transportation Authority

From:       Carlos Oblites, Director
            Charles Cook, Senior Analyst
            PFM Asset Management LLC

Re:         Investment Policy Review

We have reviewed the Contra Costa Transportation Authority (“CCTA”) Investment Policy (the “Policy”). The Policy is comprehensive and well written, and it is also in compliance with all applicable California Government Code (“Code”) statutes regulating the investment of public funds. There were no changes to Code that require CCTA to change its policy. We are, however, proposing an addition to the Policy that we believe will help create additional investment opportunities while helping CCTA diversify its investment funds. Our specific comments are listed below.

X. Permitted Investments

Supranationals. A revision has been made to the California Government Code (Code), which became effective January 1st. AB 1933 added subsection (q) to Government Code Section 53601. This subsection allows local agencies to invest in the senior debt obligations of three supranational issuers, specifically the International Bank for Reconstruction and Development, International Finance Corporation, and Inter-American Development Bank. The bill simply extends to local agencies the same authority to invest in supranationals that the Local Agency Investment Fund (LAIF) has had for decades.

Supranational debt is the term for debt of an international or multi-lateral financial agency. Supranationals are well capitalized and in most cases have strong credit support from contingent capital calls from their member countries. Large supranational debt is rated AAA by most Nationally Recognized Statistical Rating Organizations (NRSROs) and is highly liquid. In addition, it is issued and available in a wide range of maturities.

One of the primary reasons we recommend adding this sector is to open up a new asset class for the CCTA’s portfolio. Having broader investment opportunities is important as the mandated winding down of Federal Home Loan Mortgage Corporation (FHLMC) and the Federal National Mortgage Association (FNMA) will result in reduced Agency supply going forward. In contrast, as evidenced in the chart below, supranational debt is expected to grow over the same time period.
In the current market, supranationals offer a comparable yield to traditional U.S. Agencies. The table below shows yields of International Bank for Reconstruction and Development supranationals and comparable Agencies.

<table>
<thead>
<tr>
<th>Issuer</th>
<th>Maturity</th>
<th>Yield</th>
<th>Comparable Agency Yield</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Bank for Reconstruction and Development</td>
<td>11/19/2015</td>
<td>0.24%</td>
<td>0.17%</td>
</tr>
<tr>
<td>International Bank for Reconstruction and Development</td>
<td>5/16/2016</td>
<td>0.35%</td>
<td>0.33%</td>
</tr>
<tr>
<td>International Bank for Reconstruction and Development</td>
<td>10/14/2016</td>
<td>0.52%</td>
<td>0.51%</td>
</tr>
<tr>
<td>International Bank for Reconstruction and Development</td>
<td>5/2/2017</td>
<td>0.72%</td>
<td>0.69%</td>
</tr>
<tr>
<td>International Bank for Reconstruction and Development</td>
<td>7/15/2017</td>
<td>0.87%</td>
<td>0.74%</td>
</tr>
<tr>
<td>International Bank for Reconstruction and Development</td>
<td>4/10/2018</td>
<td>1.04%</td>
<td>0.98%</td>
</tr>
<tr>
<td>International Bank for Reconstruction and Development</td>
<td>6/15/2018</td>
<td>1.07%</td>
<td>1.02%</td>
</tr>
<tr>
<td>International Bank for Reconstruction and Development</td>
<td>3/15/2019</td>
<td>1.31%</td>
<td>1.28%</td>
</tr>
<tr>
<td>International Bank for Reconstruction and Development</td>
<td>10/7/2019</td>
<td>1.50%</td>
<td>1.46%</td>
</tr>
</tbody>
</table>

*Source: TradeWeb, as of May 20, 2015*
**Policy Language**

PFM recommends that CCTA incorporate the following language into its Policy and establish the following restrictions:


- Purchases restricted to debt denominated in U.S. dollars.
- Supranationals must be rated in one of the two highest rating categories by a NRSRO.
- Purchases of supranationals may not exceed 30% of CCTA’s investment portfolio.

We have attached a report, “Supranationals: A World of Opportunity,” which we wrote in January 2014 to provide additional information on these investment instruments. Additionally, we have previously forwarded to CCTA a link to a recording of a recent presentation hosted by PFM which featured George Richardson, Head of Capital Markets for the World Bank Treasury. Mr. Richardson discussed issuers of supranationals, how they are structured and secured, and the relative value they can offer investors.

**Summary**

Today’s low rates and declining agency supply make widening the range of opportunities an important consideration. Utilizing supranational securities in a high-quality portfolio can improve diversification and offer various benefits to the portfolio, including return enhancement and interest rate risk mitigation. We believe that adding this sector is a natural next step in the evolutionary process of safely and effectively managing CCTA’s portfolio. The additional sector we are recommending is consistent with the CCTA’s primary objectives of safeguarding principal, providing sufficient liquidity, and attaining a market rate of return on investments.

As always, we will keep CCTA apprised of any developments that would impact CCTA’s investments.

Please contact us if you have any questions.

Attachment: Supranationals: A World of Opportunity
Important Disclosures

This information provided is only intended for institutional and/or sophisticated professional investors and may not be suitable for all investors. It should not be construed as an offer or to purchase/sell any investment. Any investment or strategy referenced may involve significant risks, including, but not limited to: risk of loss, illiquidity, or failure to achieve desired objectives.

The views expressed within this material constitute the perspective and judgment of PFM at the time of distribution and are subject to change. Any forecast, projection, or prediction of the market, the economy, economic trends, and equity or fixed-income markets are based upon current opinion as of the date of issue, and are also subject to change. Opinions and data presented are not necessarily indicative of future events or expected performance. Information contained herein is based on data obtained from recognized statistical services, issuer reports or communications, or other sources, believed to be reliable. No representation is made as to its accuracy or completeness.

PFM Asset Management LLC is a U.S. SEC registered investment adviser.