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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

1. Name and Address of Reporting Person* <u>BANK OF AMERICA CORP /DE/</u> (Last) (First) (Middle) <u>BANK OF AMERICA CORPORATE CENTER</u> <u>100 N. TRYON STREET</u> (Street) <u>CHARLOTTE NC 28255</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>PUTNAM MANAGED MUNICIPAL INCOME TRUST [PMM]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>03/13/2013</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾	03/13/2013		S		2,000	D	\$7.9101	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾	03/15/2013		P		102	A	\$7.8	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾	03/15/2013		P		700	A	\$7.8	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾	03/15/2013		P		700	A	\$7.8	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾	03/15/2013		P		398	A	\$7.8	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾	03/15/2013		P		100	A	\$7.8	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾	04/23/2014		P		435	A	\$7.1199	435	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾	04/23/2014		S		100	D	\$7.11	335	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾	04/23/2014		S		235	D	\$7.11	100	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾	04/23/2014		S		100	D	\$7.11	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾	01/15/2015		S		2,790	D	\$7.3433	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾	01/15/2015		P		100	A	\$7.3493	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾	01/15/2015		P		2,690	A	\$7.3493	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾	04/10/2015		P		704	A	\$7.3624	704	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾

1. Name and Address of Reporting Person*		
<u>BANK OF AMERICA NA</u>		
(Last)	(First)	(Middle)
100 NORTH TRYON STREET		
(Street)		
CHARLOTTE	NC	28255
(City) (State) (Zip)		
1. Name and Address of Reporting Person*		
<u>MERRILL LYNCH, PIERCE, FENNER & SMITH INC.</u>		
(Last)	(First)	(Middle)
ONE BRYANT PARK		
(Street)		
NEW YORK	NY	10036
(City) (State) (Zip)		
1. Name and Address of Reporting Person*		
<u>BOFA SECURITIES, INC.</u>		
(Last)	(First)	(Middle)
ONE BRYANT PARK		
(Street)		
NEW YORK	NY	10036
(City) (State) (Zip)		

Explanation of Responses:

1. This statement is jointly filed by Bank of America Corporation, Bank of America, N.A. ("BANA"), Merrill Lynch, Pierce, Fenner & Smith Incorporated ("Merrill Lynch"), and BofA Securities, Inc. ("BofA Securities") (together, the "Reporting Persons"). Bank of America Corporation holds an indirect interest in the securities listed in this Report by virtue of its 100% ownership of its subsidiaries BANA, Merrill Lynch and BofA Securities. Each Reporting Person disclaims beneficial ownership of the securities reported herein except to the extent of its pecuniary interest therein, if any, and this report shall not be deemed an admission that any such Reporting Person is the beneficial owner of, or has any pecuniary interest in, such securities for purposes of Securities Exchange Act of 1934 (the "Exchange Act"), or for any other purpose.
2. Footnote 1 Continued: This statement reflects the addition of new Reporting Persons that engaged in reportable transactions and the elimination of Reporting Persons that no longer beneficially own any reportable securities.
3. Each Reporting Person declares that neither the filing of this statement nor anything herein shall be construed as an admission that such person is, for the purposes of Section 13(d) of the Exchange Act or any other purpose, (i) acting (or has agreed or is agreeing to act together with any other person) as a partnership, limited partnership, syndicate or other group for the purpose of acquiring, holding or disposing of securities of the Issuer or otherwise with respect to the Issuer or any securities of the Issuer or (ii) a member of any group with respect to the Issuer or any securities of the Issuer.
4. Without conceding its status as a greater than 10% beneficial owner or that the reported transactions are subject to disclosure under Section 16(a) of the Exchange Act or short-swing profit recovery under Section 16(b) of the Exchange Act, the amount of profit potentially recoverable by the Issuer from the reported transactions in the event that the Reporting Persons were greater than 10% beneficial owners and the transactions were subject to Section 16(b) has been or will be remitted to the Issuer.

Remarks:

Balance of trades included in attached schedule. (See Exhibit 99.1) Exhibits Index Exhibit 99.2 - Joint Filing Agreement

[BANK OF AMERICA CORP /DE/](#)
[By: Its: Authorized Signatory](#) [12/20/2024](#)
[Andres Ortiz](#)

[Bank of America N.A. By: Its:](#) [12/20/2024](#)
[Authorized Signatory](#)

[Merrill Lynch, Pierce, Fenner &](#)
[Smith Incorporated By: Its:](#) [12/20/2024](#)
[Authorized Signatory Andres Ortiz](#)

[BofA Securities, Inc. By: Its:](#) [12/20/2024](#)
[Authorized Signatory Andres Ortiz](#)

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

TABLE I - NON-DERIVATIVE SECURITIES ACQUIRED, DISPOSED OF, OR BENEFICIALLY OWNED

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		400	A	\$7.52	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		100	A	\$7.52	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		93	A	\$7.52	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		99	A	\$7.52	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		100	A	\$7.52	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		400	A	\$7.52	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		63	A	\$7.53	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		1	A	\$7.515	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		100	A	\$7.52	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		84	A	\$7.515	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		100	A	\$7.52	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		400	A	\$7.52	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		141	A	\$7.53	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		200	A	\$7.52	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		7	A	\$7.515	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		97	A	\$7.52	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		300	A	\$7.52	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		100	A	\$7.52	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		2	A	\$7.515	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		400	A	\$7.53	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		100	A	\$7.53	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		98	A	\$7.52	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		100	A	\$7.52	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		100	A	\$7.53	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		100	A	\$7.53	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	09/21/2017		P		9	A	\$7.53	0	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/26/2019		P		5,000	A	\$7.6599	5,000	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/26/2019		P		5,000	A	\$7.6599	10,000	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		100	D	\$7.62	9,900	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		200	D	\$7.63	9,700	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		400	D	\$7.62	9,300	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		2,900	D	\$7.6	6,400	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		100	D	\$7.63	6,300	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		300	D	\$7.62	6,000	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		100	D	\$7.63	5,900	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		200	D	\$7.63	5,700	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		50	D	\$7.63	5,650	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		400	D	\$7.62	5,250	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		100	D	\$7.635	5,150	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		100	D	\$7.63	5,050	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		100	D	\$7.6	4,950	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		200	D	\$7.61	4,750	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		100	D	\$7.61	4,650	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		80	D	\$7.63	4,570	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		100	D	\$7.63	4,470	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		100	D	\$7.61	4,370	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		100	D	\$7.6	4,270	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		100	D	\$7.61	4,170	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
Common Stock ⁽¹⁾⁽²⁾ ₍₃₎₍₄₎	06/27/2019		S		300	D	\$7.61	3,870	I	See Footnotes ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾

Common Stock(1)(2) (3)(4)	06/27/2019		S		588	D	\$7.62	3,282	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	06/27/2019		S		682	D	\$7.6	2,600	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	06/27/2019		S		100	D	\$7.63	2,500	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	06/27/2019		S		400	D	\$7.61	2,100	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	06/27/2019		S		100	D	\$7.62	2,000	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	06/27/2019		S		100	D	\$7.63	1,900	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	06/27/2019		S		100	D	\$7.62	1,800	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	06/27/2019		S		400	D	\$7.61	1,400	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	06/27/2019		S		400	D	\$7.61	1,000	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	06/27/2019		S		100	D	\$7.6	900	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	06/27/2019		S		400	D	\$7.61	500	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	06/27/2019		S		100	D	\$7.63	400	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	06/27/2019		S		400	D	\$7.61	0	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	12/17/2019		P		5,901	A	\$8.0629	5,901	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	12/18/2019		S		5,901	D	\$8.0683	0	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	04/13/2022		P		600	A	\$6.98	600	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	04/13/2022		S		600	D	\$6.6422	0	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	08/23/2022		P		4,600	A	\$6.797	4,600	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	08/24/2022		S		800	D	\$6.72	3,800	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	08/24/2022		S		200	D	\$6.72	3,600	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	08/24/2022		S		100	D	\$6.72	3,500	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	08/24/2022		S		1,000	D	\$6.71	2,500	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	08/24/2022		S		100	D	\$6.72	2,400	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	08/24/2022		S		200	D	\$6.72	2,200	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	08/24/2022		S		1,000	D	\$6.73	1,200	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	08/24/2022		S		1,000	D	\$6.72	200	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	08/24/2022		S		200	D	\$6.73	0	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	12/13/2023		S		100	D	\$5.9712	0	I	See Footnotes(1)(2)(3)(4)
Common Stock(1)(2) (3)(4)	12/15/2023		P		100	A	\$6.12	0	I	See Footnotes(1)(2)(3)(4)

Explanation of Responses:

1. This statement is jointly filed by Bank of America Corporation, Bank of America, N.A. ("BANA"), Merrill Lynch, Pierce, Fenner & Smith Incorporated ("Merrill Lynch"), and BofA Securities, Inc. ("BofA Securities") (together, the "Reporting Persons"). Bank of America Corporation holds an indirect interest in the securities listed in this Report by virtue of its 100% ownership of its subsidiaries BANA, Merrill Lynch and BofA Securities. Each Reporting Person disclaims beneficial ownership of the securities reported herein except to the extent of its pecuniary interest therein, if any, and this report shall not be deemed an admission that any such Reporting Person is the beneficial owner of, or has any pecuniary interest in, such securities for purposes of Securities Exchange Act of 1934 (the "Exchange Act"), or for any other purpose.
2. Footnote 1 Continued: This statement reflects the addition of new Reporting Persons that engaged in reportable transactions and the elimination of Reporting Persons that no longer beneficially own any reportable securities.
3. Each Reporting Person declares that neither the filing of this statement nor anything herein shall be construed as an admission that such person is, for the purposes of Section 13(d) of the Exchange Act or any other purpose, (i) acting (or has agreed or is agreeing to act together with any other person) as a partnership, limited partnership, syndicate or other group for the purpose of acquiring, holding or disposing of securities of the Issuer or otherwise with respect to the Issuer or any securities of the Issuer or (ii) a member of any group with respect to the Issuer or any securities of the Issuer.
4. Without conceding its status as a greater than 10% beneficial owner or that the reported transactions are subject to disclosure under Section 16(a) of the Exchange Act or short-swing profit recovery under Section 16(b) of the Exchange Act, the amount of profit potentially recoverable by the Issuer from the reported transactions in the event that the Reporting Persons were greater than 10% beneficial owners and the transactions were subject to Section 16(b) has been or will be remitted to the Issuer.

**Intentional misstatements or omissions of facts constitute Federal Criminal Violations.

See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

JOINT FILING AGREEMENT

Pursuant to and in accordance with the Securities Exchange Act of 1934, as amended (the “**Exchange Act**”), and the rules and regulations thereunder, each party hereto hereby agrees to the joint filing, on behalf of each of them, of any filing required by such party under Section 13 or Section 16 of the Exchange Act or any rule or regulation thereunder (including any amendment, restatement, supplement, and/or exhibit thereto) with the Securities and Exchange Commission (and, if such security is registered on a national securities exchange, also with the exchange), and further agrees to the filing, furnishing, and/or incorporation by reference of this agreement as an exhibit thereto. This agreement shall remain in full force and effect until revoked by any party hereto in a signed writing provided to each other party hereto, and then only with respect to such revoking party.

IN WITNESS WHEREOF, each party hereto, being duly authorized, has caused this agreement to be executed and effective as of the date set forth below.

Date: December 20, 2024

BANK OF AMERICA CORPORATION

By: /s/ Andres Ortiz
Name: Andres Ortiz
Title: Authorized Signatory

BANK OF AMERICA N.A.

By: /s/ Andres Ortiz
Name: Andres Ortiz
Title: Authorized Signatory

BOFA SECURITIES, INC.

By: /s/ Andres Ortiz
Name: Andres Ortiz
Title: Authorized Signatory

MERRILL LYNCH, PIERCE, FENNER & SMITH INC.

By: /s/ Andres Ortiz
Name: Andres Ortiz
Title: Authorized Signatory
