

PUTNAM INVESTMENT GRADE MUNICIPAL TRUST

Form NSAR-B

January 26, 2007

PAGE 1
000 B000000 11/30/2006
000 C000000 0000855048
000 D000000 N
000 E000000 NF
000 F000000 Y
000 G000000 N
000 H000000 N
000 I000000 6.1
000 J000000 A
001 A000000 PUTNAM INVESTMENT GRADE MUNICIPAL TRUST
001 B000000 811-5901
001 C000000 6172921000
002 A000000 ONE POST OFFICE SQUARE
002 B000000 BOSTON
002 C000000 MA
002 D010000 02109
003 000000 N
004 000000 N
005 000000 N
006 000000 N
007 A000000 N
007 B000000 0
007 C010100 1
007 C010200 2
007 C010300 3
007 C010400 4
007 C010500 5
007 C010600 6
007 C010700 7
007 C010800 8
007 C010900 9
007 C011000 10
008 A000001 PUTNAM INVESTMENT MANAGEMENT, LLC
008 B000001 A
008 C000001 801-7974
008 D010001 BOSTON
008 D020001 MA
008 D030001 02109
011 A000001 DELETE
012 A000001 PUTNAM INVESTOR SERVICES
012 B000001 84-401299
012 C010001 BOSTON
012 C020001 MA
012 C030001 02109
013 A000001 KPMG LLP
013 B010001 BOSTON
013 B020001 MA
013 B030001 02110
015 A000001 PUTNAM FIDUCIARY TRUST COMPANY
015 B000001 C
015 C010001 BOSTON
PAGE 2
015 C020001 MA
015 C030001 02109
015 E010001 X
015 A000002 DEUTSCHE BANK TRUST COMPANY AMERICAS
015 B000002 S
015 C010002 JERSEY CITY

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015 C020002 NJ
015 C030002 07311
015 E010002 X
015 A000003 BOSTON SAFE DEPOSIT AND TRUST COMPANY
015 B000003 S
015 C010003 PITTSBURGH
015 C020003 PA
015 C030003 15258
015 E010003 X
015 A000004 BROWN BROTHERS HARRIMAN & CO.
015 B000004 S
015 C010004 BOSTON
015 C020004 MA
015 C030004 02109
015 E010004 X
015 A000005 JPMORGAN CHASE BANK
015 B000005 S
015 C010005 NEW YORK
015 C020005 NY
015 C030005 10017
015 E010005 X
015 A000006 CITIGROUP N.A.
015 B000006 S
015 C010006 TAMPA
015 C020006 FL
015 C030006 33610
015 E010006 X
015 A000007 UMB BANK N.A.
015 B000007 S
015 C010007 KANSAS CITY
015 C020007 MO
015 C030007 64106
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019 C000000 PUTNAMFUND
020 A000001 LEHMAN BROTHERS, INC.
020 B000001 13-2518466
020 C000001 32
020 C000002 0
020 C000003 0
020 C000004 0
020 C000005 0
020 C000006 0
PAGE 3
020 C000007 0
020 C000008 0
020 C000009 0
020 C000010 0
021 000000 32
022 A000001 UBS WARBURG INVESTMENTS, LTD.
022 B000001 13-3873456
022 C000001 7413
022 D000001 10669
022 A000002 CITIGROUP GLOBAL MARKETS HOLDINGS, INC.
022 B000002 11-2418191
022 C000002 6409
022 D000002 8287
022 A000003 FIRST ALBANY CORP.
022 B000003 14-1391446
022 C000003 0

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| | | |
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| 022 | D000003 | 7796 |
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| 022 | B000005 | 13-3224016 |
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| 022 | A000006 | WILLIAM BLAIR & CO., LLC |
| 022 | B000006 | 36-2214610 |
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| 022 | A000008 | MORGAN KEEGAN & CO., INC. |
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| 022 | A000010 | MORGAN STANLEY DEAN WITTER & CO. |
| 022 | B000010 | 13-2655998 |
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048 J020000 0.000
 048 K010000 0
 048 K020000 0.000
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 052 000000 N
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 PAGE 6
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 068 A000000 N
 068 B000000 N
 069 000000 N
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 070 A020000 N

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| | | | |
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| 070 | B010000 | Y | |
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| 070 | D020000 | N | |
| 070 | E010000 | Y | |
| 070 | E020000 | Y | |
| 070 | F010000 | Y | |
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| 070 | M010000 | Y | |
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| 070 | N020000 | N | |
| 070 | O010000 | Y | |
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| 070 | P010000 | Y | |
| 070 | P020000 | Y | |
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| 072 | U000000 | | 0 |
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| 072 | W000000 | 427 |
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| 072 | Y000000 | 0 |
| 072 | Z000000 | 15156 |
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| 072CC0 | 20000 | 0 |
| 072DD0 | 10000 | 10242 |
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| 072EE | 000000 | 0 |
| 073 | A010000 | 0.4918 |
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| 076 | 000000 | 9.96 |
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| 080 | A000000 | NATL UNION FIRE/ACE AMER/GREAT AMER/FID&DEP |
| 080 | B000000 | FEDERAL INSURANCE COMPANY |
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| 081 | B000000 | 106 |
| 082 | A000000 | N |
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083 A000000 N
083 B000000 0
084 A000000 N
084 B000000 0
085 A000000 Y
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086 A010000 0
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086 E020000 0
086 F010000 0
086 F020000 0
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087 A020000 746805-100
087 A030000 PGM
087 B010000 REMARKETED PREFERRED STOCK, SERIES A
087 B020000 746805-201
088 A000000 N
088 B000000 N
088 C000000 N
088 D000000 Y
SIGNATURE JANET C. SMITH
TITLE PRINC. ACCT. OFFICER