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PIONEER TAX ADVANTAGED BALANCED TRUST

Form N-Q

April 26, 2007

OMB APPROVAL

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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM N-Q

CERTIFIED SHAREHOLDER REPORT OF REGISTERED
MANAGEMENT INVESTMENT COMPANIES

Investment Company Act file number 811-21448

Pioneer Tax Advantaged Balanced Trust
(Exact name of registrant as specified in charter)

60 State Street, Boston, MA 02109
(Address of principal executive offices) (ZIP code)

Dorothy E. Bourassa, Pioneer Investment Management, Inc.,
60 State Street, Boston, MA 02109
(Name and address of agent for service)

Registrant's telephone number, including area code: (617) 742-7825

Date of fiscal year end: November 30

Date of reporting period: February 28, 2007

Form N-Q is to be used by management investment companies, other than small business investment companies registered on Form N-5 (239.24 and 274.5 of this chapter), to file reports with the Commission, not later than 60 days after close of the first and third fiscal quarters, pursuant to Rule 30b1-5 under the Investment Company Act of 1940 (17 CFR 270.30b-5). The Commission may use the information provided on Form N-Q in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-Q, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-Q unless the Form displays a currently valid Office of Management and Budget ("OMB") control number. Please direct comments concerning the accuracy of the information collection burden estimate and any suggestions for reducing the burden to Secretary, Securities and Exchange Commission, 450 Fifth Street, NW, Washington, DC 20549-0609. The OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. ss. 3507.

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ITEM 1. Schedule of Investments.

Pioneer Tax Advantaged Balanced Trust SCHEDULE OF INVESTMENTS 2/28/07

Principal Amount		Value
	TAX EXEMPT OBLIGATIONS - 70.4%	
	Alabama - 1.7%	
5,990,000	Birmingham Waterworks & Sewer Revenue, 5	\$ 6,241,939
1,500,000	Sylacauga Health Care Authority Revenue,	1,578,870
	\$	7,820,809
	Arizona - 0.9%	
1,000,000	Maricopa County Hospital Revenue, 5.0%,	\$ 1,029,450
1,000,000	Pima County Industrial Development Autho	1,084,310
995,000	Pima County Industrial Development Autho	1,070,550
1,000,000	Pima County Industrial Development Autho	1,066,530
	\$	4,250,840
	California - 3.5%	
1,000,000	California Health Facilities Authority R	\$ 1,065,040
4,000,000	Golden State Tobacco Securitization Corp	4,584,320
9,655,000(a)	Golden State Tobacco Securitization Corp	10,969,528
	\$	16,618,888
	Connecticut - 1.3%	
4,190,000	Connecticut State Development Authority	\$ 4,399,877
1,500,000	Mohegan Tribe Indians Gaming Authority,	1,557,465
	\$	5,957,342
	District of Columbia - 0.9%	
4,000,000	District of Columbia Tobacco Settlement	\$ 4,405,360
	Florida - 3.2%	
1,105,000	Highlands County Health Facilities Autho	\$ 1,163,930
5,000,000+	Highlands County Health Facilities Autho	5,576,200
600,000	Madison County First Mortgage Revenue, 6	624,156
2,025,000	Miami Beach Health Facilities Authority,	2,062,118
500,000	Miami Beach Health Facilities Authority,	549,950
3,970,000(a)	Tampa-Hillsborough County Expressway Aut	5,023,717
	\$	15,000,071
	Georgia - 4.8%	
5,000,000	Burke County Development Authority Reven	\$ 5,070,250
9,580,000(a)	Georgia Municipal Electric Authority Pow	11,915,700
2,500,000	Milledgeville-Baldwin County Development	2,707,250
2,500,000	Milledgeville-Baldwin County Development	2,723,750
	\$	22,416,950
	Illinois - 3.9%	
3,000,000	Chicago Illinois General Obligation, 5.0	\$ 3,166,830
4,580,000	Illinois Development Finance Authority R	4,877,425
5,000,000	Illinois Educational Facilities Authorit	5,247,900
2,000,000	Illinois Finance Authority Revenue, 5.5%	2,186,500
2,055,000(a)	Illinois Finance Authority Revenue, RIB,	2,706,538
	\$	18,185,193
	Indiana - 0.9%	
4,135,000	Indiana State Development Finance Author	\$ 4,297,547
	Louisiana - 1.9%	
8,335,000	Tobacco Settlement Financing Corp., 5.87	\$ 8,909,448

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Maryland - 1.7%		
3,000,000	Frederick County Educational Facilities	\$ 3,228,690
1,000,000	Maryland State Economic Development Reve	1,027,130
750,000	Maryland State Economic Development Reve	770,347
1,000,000	Maryland State Economic Development Reve	1,012,250
2,000,000	Maryland State Health & Higher Education	2,111,840
		\$ 8,150,257
Massachusetts - 4.0%		
2,000,000	Massachusetts Health & Educational Facil	\$ 2,107,500
1,550,000	Massachusetts Health & Educational Facil	1,588,440
1,600,000	Massachusetts Health & Educational Facil	1,641,744
2,120,000	Massachusetts Health & Educational Facil	2,196,723
900,000	Massachusetts Health & Educational Facil	990,072
2,750,000	Massachusetts Health & Educational Facil	3,014,247
2,000,000	Massachusetts State Development Finance	2,083,920
500,000	Massachusetts State Development Finance	517,330
1,100,000	Massachusetts State Development Finance	1,186,856
1,000,000	Massachusetts State Development Finance	1,073,350
2,000,000	+University of Massachusetts Building Aut	2,208,620
		\$ 18,608,802
Michigan - 1.8%		
5,000,000	Macomb County Hospital Finance Authority	\$ 5,316,750
2,000,000	Michigan State Hospital Finance Authorit	2,072,720
1,000,000	Michigan State Hospital Finance Authorit	1,046,910
		\$ 8,436,380
Minnesota - 0.8%		
2,000,000	Duluth Economic Development Authority He	\$ 2,114,500
1,500,000	Duluth Economic Development Authority He	1,574,820
		\$ 3,689,320
Missouri - 0.4%		
1,720,000	Missouri State Health & Educational Auth	\$ 1,841,484
Montana - 0.2%		
1,000,000	Montana Finance Authority Hospital Facil	\$ 1,036,870
Nebraska - 1.3%		
4,980,000	(aNebraska Public Power District Revenue,	\$ 6,029,137
Nevada - 1.5%		
3,000,000	Clark County Industrial Development Reve	\$ 2,999,760
1,500,000	Henderson Nevada Health Care Facilities	1,629,795
2,500,000	Washoe County Water Facility Revenue, 5.	2,525,550
		\$ 7,155,105
New Hampshire - 0.6%		
1,800,000+	New Hampshire Business Finance Authority	\$ 1,881,144
1,000,000	New Hampshire Health & Education Facilit	1,069,310
		\$ 2,950,454
New Jersey - 5.6%		
1,250,000	Camden County Improvement Authority Reve	\$ 1,351,400
5,920,000	(aGarden State Preservation Trust, RIB, 12	8,856,971
710,000	New Jersey Economic Development Authorit	739,934
1,230,000	New Jersey Economic Development Authorit	1,292,755
1,500,000	New Jersey Health Care Facilities Financ	1,462,755
5,000,000	New Jersey Health Care Facilities Financ	5,251,400
3,500,000	New Jersey Health Care Facilities Financ	3,585,365
3,000,000+	Tobacco Settlement Financing Corp., 6.25	3,423,690
		\$ 25,964,270
New Mexico - 0.6%		
1,000,000	Dona Ana County PILT Revenue, 5.25%, 12/	\$ 1,073,640
1,500,000	Farmington New Mexico Hospital Revenue,	1,561,920

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	\$	2,635,560
New York - 4.8%		
2,000,000 Dutchess County Industrial Development A	\$	2,234,180
1,000,000 New York City Industrial Development Age		1,063,020
1,000,000 New York City Industrial Development Age		1,089,410
8,820,000(bNew York City Transitional Finance Autho		7,359,496
5,000,000 Port Authority of New York & New Jersey		5,293,150
4,900,000 Triborough Bridge & Tunnel Authority, 5.		5,287,149
	\$	22,326,405
North Carolina - 0.7%		
1,000,000 North Carolina Capital Facilities Financ	\$	1,046,360
1,000,000 North Carolina Capital Facilities Financ		1,042,550
1,000,000 North Carolina Medical Care Commission H		1,039,320
	\$	3,128,230
Ohio - 1.4%		
2,000,000 Cleveland Airport Special Revenue, 5.7%,	\$	2,055,800
3,000,000+ Columbus City School District, 5.0%, 12/		3,263,310
1,000,000 Hamilton County Hospital Facilities Reve		1,064,670
	\$	6,383,780
Oregon - 0.6%		
2,935,000 Oregon State Housing & Community Service	\$	3,012,572
Pennsylvania - 2.6%		
5,000,000+ Pennsylvania State Turnpike Commission O	\$	5,391,450
3,000,000 Sayre Health Care Facilities Authority R		3,252,600
280,000 Scranton-Lackawanna Health and Welfare A		284,298
700,000 Scranton-Lackawanna Health and Welfare A		716,611
460,000 Scranton-Lackawanna Health and Welfare A		470,911
2,165,000 Swarthmore Borough Authority College Rev		2,254,155
	\$	12,370,025
Puerto Rico - 3.2%		
8,000,000+ Puerto Rico Commonwealth Highway & Trans	\$	8,737,440
5,000,000 Puerto Rico Public Buildings Authority R		5,364,350
1,000,000 Puerto Rico Public Finance Corp., 5.75%,		1,074,260
	\$	15,176,050
Rhode Island - 1.1%		
1,640,000 Tobacco Settlement Financing Corp., 6.12	\$	1,750,684
3,100,000 Tobacco Settlement Financing Corp., 6.25		3,349,612
	\$	5,100,296
South Carolina - 3.8%		
6,000,000 Berkeley County School District Installm	\$	6,247,260
5,000,000 Florence County Hospital Revenue, 5.25%,		5,381,900
3,500,000 Lexington County Health Services Distric		3,728,690
2,500,000 South Carolina Jobs Economic Development		2,669,950
	\$	18,027,800
Tennessee - 0.6%		
2,500,000 Knox County Health Educational & Housing	\$	2,703,575
Texas - 3.4%		
1,552,000 Houston Housing Financing Corp., 6.25%,	\$	1,688,778
2,885,000(aHouston Utility System Revenue, RIB, 10.		3,654,718
2,750,000 Lower Colorado River Authority, 5.0%, 5/		2,875,455
1,711,000 Panhandle Regional Housing Finance Corp.		1,889,235
3,000,000 Richardson Hospital Authority, 6.0%, 12/		3,299,820
1,000,000 Seguin Higher Education Facilities Corp.		1,026,430
1,500,000 Texas State Student Housing Revenue, 6.5		1,620,210
	\$	16,054,646
Vermont - 0.3%		
1,295,000 Vermont Educational & Health Buildings F	\$	1,358,131
Virginia - 2.1%		
1,500,000 Prince William County Industrial Develop	\$	1,602,510

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3,925,000	Prince William County Industrial Develop	4,226,048
4,000,000	Virginia College Building Authority Reve	4,221,120
	\$	10,049,678
	Washington - 3.5%	
8,000,000	King County Washington Sewer Revenue, 5.	\$ 8,388,960
7,000,000	Tobacco Settlement Authority Revenue, 6.	7,808,920
	\$	16,197,880
	Wisconsin - 0.8%	
3,500,000	Wisconsin State Health & Educational Fac	\$ 3,628,205
	TOTAL TAX-EXEMPT OBLIGATIONS	
	(Cost \$306,838,827) (c)	\$ 329,877,360

Shares

	COMMON STOCKS - 36.7%	
	Energy - 0.8%	
	Oil & Gas Storage & Transportation - 0.8%	
142,876	Spectra Energy Corp.	\$ 3,676,199
	Total Energy	\$ 3,676,199
	Materials - 0.7%	
	Diversified Chemicals - 0.3%	
94,000	Olin Corp.	\$ 1,626,200
	Construction Materials - 0.0%	
3,950	Monarch Cement Co.	\$ 133,312
	Diversified Metals & Mining - 0.4%	
56,012	Compass Minerals International, Inc.	\$ 1,829,912
	Steel - 0.0%	
200	Worthington Industries, Inc.	\$ 3,984
	Total Materials	\$ 3,593,408
	Consumer Services & Supplies - 0.6%	
	Commercial Printing - 0.6%	
79,034	R.R. Donnelley & Sons Co.	\$ 2,859,450
	Total Consumer Services & Supplies	\$ 2,859,450
	Consumer Durables & Apparel - 1.1%	
	Home Furnishings - 0.3%	
50,000	Bassett Furniture Industries, Inc.	\$ 789,000
31,486	Kimball International, Inc.	662,151
		\$ 1,451,151
	Housewares & Specialties - 0.8%	
166,444	Tupperware Corp.	\$ 3,896,454
	Total Consumer Durables & Apparel	\$ 5,347,605
	Consumer Services - 0.6%	
	Specialized Consumer Services - 0.6%	
200,227	ServiceMaster Co.	\$ 2,735,101
	Total Consumer Services	\$ 2,735,101
	Media - 1.0%	
	Movies & Entertainment - 0.9%	
206,487	Regal Entertainment Group	\$ 4,412,627
	Publishing - 0.1%	
9,905	Idearc, Inc.	\$ 336,770
	Total Media	\$ 4,749,397

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	Food, Beverage & Tobacco - 5.5%		
	Tobacco - 5.5%		
134,140	Altria Group, Inc.	\$	11,305,319
172,872	Loews Corp. - Carolina Group		12,451,970
29,704	Reynolds American, Inc.		1,813,429
	Total Food, Beverage & Tobacco	\$	25,570,718
	Pharmaceuticals, Biotechnology & Life Sciences - 3.9%		
	Pharmaceuticals - 3.9%		
329,758	Bristol-Myers Squibb Co.	\$	8,702,314
216,536	Merck & Co., Inc.		9,562,230
	Total Pharmaceuticals, Biotechnology & L	\$	18,264,544
	Banks - 3.6%		
	Diversified Banks - 0.4%		
28,642	Wachovia Corp.	\$	1,585,908
	Regional Banks - 1.9%		
81,550	KeyCorp	\$	3,077,697
90,000	National City Corp.		3,406,500
67,800	Regions Financial Corp.		2,428,596
		\$	8,912,793
	Thriffs & Mortgage Finance - 1.3%		
222,700	TrustCo Bank Corp., NY	\$	2,202,503
92,412	Washington Mutual, Inc.		3,981,109
		\$	6,183,612
	Total Banks	\$	16,682,313
	Diversified Financials - 0.5%		
	Other Diversified Financial Services - 0.5%		
42,500	Bank of America Corp.	\$	2,161,975
	Total Diversified Financials	\$	2,161,975
	Telecommunication Services - 9.1%		
	Integrated Telecommunication Services - 9.1%		
421,497	AT&T, Inc.	\$	15,511,090
529,946	Citizens Communications Co.		7,986,286
198,116	Verizon, Communications, Inc.		7,415,482
790,184	Windstream Corp.		11,892,269
	Total Telecommunication Services	\$	42,805,127
	Utilities - 9.3%		
	Electric Utilities - 1.2%		
138,400	Empire District Electric Co.	\$	3,320,216
74,383	Great Plains Energy, Inc.		2,312,567
		\$	5,632,783
	Gas Utilities - 3.4%		
81,249	AGL Resources, Inc.	\$	3,309,272
395,466	Atmos Energy Corp.		12,465,088
		\$	15,774,360
	Multi-Utilities - 4.7%		
137,135	Ameren Corp.	\$	7,162,561
100,000	Consolidated Edison, Inc.		4,858,000
285,753	Duke Energy Corp.		5,626,477
134,112	NSTAR		4,587,972
		\$	22,235,010
	Total Utilities	\$	43,642,153
	TOTAL COMMON STOCKS		
	(Cost \$142,002,273)	\$	172,087,990

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NON-CONVERTIBLE PREFERRED STOCKS - 25.6%			
Energy - 1.1%			
Oil & Gas Exploration & Production- 1.1%			
49,300	Apache Corp., Series B, 5.68%	\$	4,940,787
	Total Energy	\$	4,940,787
Automobiles & Components - 0.4%			
Automobile Manufacturers - 0.4%			
46,446	Ford Motor Co. Capital Trust II, 6.5%	\$	1,699,633
	Total Automobiles & Components	\$	1,699,633
Banks - 6.3%			
Diversified Banks - 3.3%			
105,000	Bank One Capital VI, 7.2%	\$	2,634,975
120,000	Barclays Bank Plc, Series 2, 6.625%		3,134,400
120,000	HSBC Holdings Plc, Series A, 6.20%,		3,013,200
200,000	Royal Bank of Scotland Group Plc, Series		4,860,000
71,000	Wachovia Preferred Funding Corp., Series		1,992,970
		\$	15,635,545
Thriffs & Mortgage Finance - 3.0%			
56,980	Countrywide Capital V, 7.0%	\$	1,395,617
100,000	Fannie Mae, Series N, 5.5%		4,950,000
57,000	Freddie Mac, 5.81%		2,921,250
39,000	Freddie Mac, Series F, 5.0%		1,875,900
58,000	Freddie Mac, Series K, 5.79%		2,924,360
		\$	14,067,127
	Total Banks	\$	29,702,672
Diversified Financials - 7.7%			
Other Diversified Financial Services - 3.9%			
49,000	ABN Amro Capital Fund Trust VII, 6.08%	\$	1,225,980
120,000	Bank of America Corp., Series D, 6.204%		3,198,000
55,000	Citigroup, Inc., Series G, 6.213%		2,774,750
81,500	Citigroup, Inc., Series M, 5.864%		4,101,895
120,000	Deutsche Bank Capital Funding Trust VIII		3,090,000
150,000	JPMorgan Chase Capital Trust XVI, 6.35%		3,771,000
		\$	18,161,625
Consumer Finance - 0.9%			
18,000	MBNA Capital, Series D, 8.125%	\$	455,708
70,000	SLM Holdings Corp., Series A, 6.97%		3,710,000
		\$	4,165,708
Investment Banking & Brokerage - 2.9%			
57,000	Bear Stearns Companies, Inc., Series F,	\$	2,850,000
40,000	Bear Stearns Companies, Inc., Series G,		1,998,000
100,000	Lehman Brothers Holdings, Inc., 6.5%		2,609,000
19,000	Lehman Brothers Holdings, Inc., Series C		966,150
30,000	Lehman Brothers Holdings, Inc., Series D		1,512,000
65,000	Merrill Lynch Preferred Capital Trust IV		1,652,845
87,000	Merrill Lynch Preferred Capital Trust V,		2,228,210
		\$	13,816,205
	Total Diversified Financials	\$	36,143,538
Insurance - 3.6%			
Life & Health Insurance - 0.7%			
159,000	Scottish Re Group, Ltd., 7.25%	\$	3,261,090
Property & Casualty Insurance 2.0%			
110,000	ACE, Ltd., Series C, 7.8%	\$	2,824,800
161,000	Berkley W.R. Capital Trust II, 6.75%		4,041,508
109,000	XL Capital, Ltd., Series B, 7.625%		2,789,310
		\$	9,655,618
Reinsurance - 0.9%			

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170,500	RenaissanceRe Holdings, Ltd., Series C,	\$	4,115,870
	Total Insurance	\$	17,032,578
	Real Estate - 3.3%		
	Diversification Real Estate Investment Trust - 0.9%		
128,000	PS Business Parks, Inc., Series H, 7.0%	\$	3,240,960
32,440	PS Business Parks, Inc., Series I, 6.875		816,191
		\$	4,057,151
	Industrial Real Estate Investment Trust - 0.2%		
40,000	Prologis Trust, Series G, 6.75%	\$	1,022,000
	Office Real Estate Investment Trust - 0.3%		
15,000	Brandywine Realty Trust, Series C, 7.5%	\$	385,350
34,500	Brandywine Realty Trust, Series D, 7.375		914,250
		\$	1,299,600
	Residential Real Estate Investment Trust - 0.5%		
92,000	Home Properties New York, Inc., Series F	\$	2,303,680
	Retail Real Estate Investment Trust - 0.8%		
94,000	Regency Centers Corp., Series C, 7.45%	\$	2,391,360
53,500	Regency Centers Corp., Series E 6.7%		1,332,150
		\$	3,723,510
	Specialized Real Estate Investment Trust - 0.6%		
124,000	Public Storage, Inc., Series F, 6.45%	\$	3,082,640
	Total Real Estate	\$	15,488,581
	Utilities - 3.2%		
	Electric Utilities - 2.8%		
98,000	Alabama Power Co., 5.3%	\$	2,477,568
113,000	Alabama Power Co., 5.83%		2,825,000
78,000	Interstate Power and Light Co., Series B		2,458,560
40,000	Mississippi Power Co., 5.25%		992,500
7,700	PPL Electric Utilities Corp., 4.5%		660,660
73,000	Southern California Edison Co., 4.32%		1,481,900
94,000	Virginia Power Capital Trust II, 7.375%		2,368,457
		\$	13,264,645
	Gas Utilities - 0.4%		
62,000	Southern Union Co., Series C, 7.55%	\$	1,613,240
	Total Utilities	\$	14,877,885
	TOTAL NON-CONVERTIBLE PREFERRED STOCKS (Cost \$121,408,829)	\$	119,885,674
	CONVERTIBLE PREFERRED STOCKS - 2.3%		
	Capital Goods - 0.5%		
	Aerospace & Defense -0.5%		
15,000	Northrop Grumman Corp., 7.0%	\$	2,062,500
	Total Capital Goods	\$	2,062,500
	Diversified Financials - 1.5%		
	Other Diversified Financial Services - 1.5%		
161,000	Lazard, Ltd., 6.625%	\$	7,195,090
	Total Diversified Financials	\$	7,195,090
	Insurance - 0.3%		
	Property & Casualty Insurance - 0.3%		
47,919	XL Capital, Ltd., Class A, 7.0%	\$	1,251,165
	Total Insurance	\$	1,251,165
	TOTAL CONVERTIBLE PREFERRED STOCKS (Cost \$7,130,041)	\$	10,508,755
	TAX-EXEMPT MONEY MARKET MUTUAL FUND - 1.4%		

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6,727,170	BlackRock Provident Institutional Munici	\$	6,727,170
	TOTAL TAX-EXEMPT MONEY MARKET MUTUAL FUND		
	(Cost \$6,727,170)	\$	6,727,170

TOTAL INVESTMENTS IN SECURITIES - 136.4%		
(Cost \$584,107,140) (d)	\$	639,086,949
OTHER ASSETS AND LIABILITIES - 1.2%	\$	5,808,031
PREFERRED SHARES AT REDEMPTION VALUE,		
INCLUDING DIVIDENDS PAYABLE - (37.6%)	\$	(176,380,153)
NET ASSETS APPLICABLE TO COMMON		
SHAREOWNERS - 100.0%	\$	468,514,827

(144A) Security is exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold normally to qualified institutional buyers in a transaction exempt from registration. At February 28, 2007, the value of these securities amounted \$49,156,309, or 10.5% of total net assets.

+ Prerefunded bonds have been collateralized by U.S. Treasury securities which are held in escrow to pay interest and principal on the tax exempt issue and to retire the bonds in full at the earliest refunding date.

(a) The interest rate is subject to change periodically and inversely based upon prevailing market rates. The interest rate shown is the rate at February 28, 2007.

(b) Debt obligation initially issued at one coupon which converts to a higher coupon at a specific date. The rate shown is the rate at period end.

(c) The concentration of tax-exempt investments by type of obligation/market sector is as follows:

Insured	%
Revenue Bonds:	
Health Revenue	25.5
Tobacco Revenue	13.7
Development Revenue	9.8
Education Revenue	8.6
Other	3.2
Transportation Revenue	4.2
Housing Revenue	1.9
School District Revenue	1.9
Pollution Control Revenue	1.3
Water Revenue	0.8
Airport Revenue	0.6
Gaming Revenue	0.5
	%

(d) At February 28, 2007, the net unrealized gain on investments based on cost for federal income tax purposes of \$583,885,706 was as follows:

Aggregate gross unrealized gain for all investments	
in which there is an excess of value over	\$ 60,007,252

Aggregate gross unrealized loss for all investments	
in which there is an excess of tax cost	(4,806,009)

Net unrealized gain	\$	55,201,243
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For financial reporting purposes net unrealized gain on investments was \$54,979,809 and cost of investments aggregated \$584,107,140.

ITEM 2. CONTROLS AND PROCEDURES.

(a) Disclose the conclusions of the registrant's principal executive officer or officers and principal financial officer or officers, or persons performing similar functions, about the effectiveness of the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Act (17 CFR 270.30a-3(c))) as of a date within 90 days of the filing date of the report that includes the disclosure required by this paragraph, based on their evaluation of these controls and procedures required by Rule 30a-3(b) under the Act (17 CFR 270.30a-3(b)) and Rule 13a-15(b) or 15d-15(b) under the Exchange Act (17 CFR 240.13a-15(b) or 240.15d-15(b)).

The registrant's principal executive officer and principal financial officer have concluded that the registrant's disclosure controls and procedures are effective based on their evaluation of these controls and procedures as of a date within 90 days of the filing date of this report.

(b) Disclose any change in the registrant's internal controls over financial reporting (as defined in Rule 30a-3(d) under the Act (17 CFR 270.30a-3(d))) that occurred during the registrant's last fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting.

There were no significant changes in the registrant's internal control over financial reporting that occurred during the second fiscal quarter of the period covered by this report that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting.

ITEM 3. EXHIBITS.

(a) A separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2 under the Act (17 CFR 270.30a-2).

Filed herewith.

SIGNATURES

[See General Instruction F]

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

(Registrant) Pioneer Tax Advantaged Balanced Trust

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By (Signature and Title)* /s/ John F. Cogan, Jr.
John F. Cogan, Jr, President

Date April 27, 2007

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By (Signature and Title)* /s/ John F. Cogan, Jr.
John F. Cogan, Jr., President

Date April 27, 2007

By (Signature and Title)* /s/ Vincent Nave
Vincent Nave, Treasurer

Date April 27, 2007

* Print the name and title of each signing officer under his or her signature.