Dreyfus New Jersey Municipal Money Market Fund, Inc.

ANNUAL REPORT November 30, 2005

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Dreyfus

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FOR MORE INFORMATION

LETTER FROM THE CHAIRMAN

Dear Shareholder:

We are pleased to present this new annual report for Dreyfus New Jersey Municipal Money Market Fund, Inc., covering the ten-month period from February 1, 2005, through November 30, 2005. Inside, you'll find information about the fund's recent fiscal year change and how the fund was managed during this abridged reporting period, including a discussion with the fund's portfolio manager, Joseph Irace.

The U.S. economy demonstrated remarkable resiliency over the past year, expanding at a steady pace despite the headwinds of soaring energy prices, higher interest rates and the dislocations caused by the Gulf Coast hurricanes. As short-term interest rates climbed, so too have yields of tax-exempt money market instruments, offering investors incrementally higher yields as compared to yields at the start of the reporting period.

As the end of 2005 approaches, the U.S. economy and financial markets may be reaching an inflection point. Investors' reactions to a change in leadership at the Federal Reserve Board and the effects of higher fuel prices on the rate of inflation may set the tone for the financial markets in 2006. As always, we encourage you to discuss these and other market forces with your financial advisor.

Thank you for your continued confidence and support.

Sincerely,

Stephen E. Canter
Chairman and Chief Executive Officer
The Dreyfus Corporation
December 15, 2005

DISCUSSION OF FUND PERFORMANCE

Joseph Irace, Portfolio Manager

How did Dreyfus New Jersey Municipal Money Market Fund, Inc. perform during the period?

The fund's reporting period has changed from a fiscal year that ends January 31 to one that ends November 30. While this change should have no impact on the way the fund is managed, shareholders will now receive annual and semi-annual reports according to the new fiscal year-end.

For the 10-month period between the end of the fund's previous fiscal year and the end of its new fiscal year on November 30, 2005, the fund produced an annualized yield of 1.78%. Taking into account the effects of compounding, the fund also produced an annualized effective yield of 1.80%.[1]

Money market yields climbed steadily over the reporting period as the Federal Reserve Board (the "Fed") continued to raise the overnight federal funds rate at each of seven meetings of its Federal Open Market Committee ("FOMC").

What is the fund's investment approach?

The fund's objective is to seek as high a level of current income exempt from federal and New Jersey state income taxes as is consistent with the preservation of capital and the maintenance of liquidity. The fund also seeks to maintain a stable $1.00 share price. To pursue its goal, the fund normally invests substantially all of its assets in short-term, high-quality municipal obligations that provide income exempt from federal and New Jersey state income taxes.

When pursuing the fund's objective, we employ two primary strategies. First, we attempt to add value by constructing a portfolio of high-quality, tax-exempt money market municipal obligations that provide income exempt from federal and New Jersey state income taxes. Second, we actively manage the fund's average maturity in anticipation of interest-rate trends and supply-and-demand changes in New Jersey's short-term municipal marketplace.

For example, if we expect an increase in short-term supply, we may reduce the weighted average maturity of the fund, which should better position the fund to purchase new securities with higher yields, if higher yields materialize. Yields tend to rise when there is an increase in new-issue supply competing for investor interest. New securities generally are issued with maturities in the one-year range and tend to lengthen the fund's weighted average maturity. If we anticipate limited new-issue supply, we may extend the fund's average maturity to maintain then-current yields for as long as we think practical. At other times, we try to maintain an average maturity that reflects our view of short-term interest-rate trends and future supply-and-demand considerations.

What other factors influenced the fund's performance?

In response to relatively robust economic growth — including rising corporate and consumer spending and a gradually improving labor market — the Fed raised short-term interest rates at each of seven FOMC meetings during the reporting period, driving the overnight federal funds rate from 2.25% to 4%. As short-term interest rates moved steadily higher, so did tax-exempt money market yields.

The fund also was influenced by an improving fiscal environment in New Jersey, including higher tax revenues in the recovering economy and progress toward reducing the state's structural budget imbalances. Due to these factors, one of the major bond rating agencies upgraded its credit rating for New Jersey's longer-term general obligation debt. However, New Jersey faces a number of future budget challenges, including substantial public pension shortfalls.

In this environment, we generally maintained our focus on securities with maturities of six months or less. This strategy was designed to maintain liquidity and keep funds available for higher-yielding tax-exempt instruments as they became available. However, most money market funds adopted a similar strategy, and the industry's weighted average maturity in May 2005 fell to the shortest point on record.

In our attempts to capture opportunities for higher yields, we maintained the fund's weighted average maturity in a range that was modestly longer than industry averages for much of the reporting period. To achieve this position, we focused on commercial paper, which generally provided significantly higher yields than variable-rate demand notes and helped us avoid locking in yields of one-year notes in the rising interest-rate environment. We attempted to "ladder" the fund's holdings over three to six months to protect its yield and ensure that funds would be available for reinvestment should interest rates rise further.

What is the fund's current strategy?

Over the near term, we expect to prepare the fund for technical forces that tend to affect tax-exempt money market instruments at year-end. Over the longer term, stronger-than-expected data appear to indicate that the U.S. economy remains on a path of strong and sustainable growth. Yet, despite 12 consecutive rate hikes by the Fed since June 2004, short-term interest rates remain relatively low by historical standards. These factors suggest that the Fed is likely to continue to raise short-term interest rates in early 2006.

We have continued to maintain a laddered portfolio of short-term instruments that give the fund the liquidity it needs to capture higher yields as they arise. While we have also identified a limited number of attractive values among newly issued municipal notes with longer maturities, shorter-term instruments generally enabled us to avoid locking in yields of one-year notes in a rising rate environment. Of course, we are prepared to revise our strategies as economic and market conditions change.

December 15, 2005

An investment in the fund is not insured or guaranteed by the FDIC or any other government agency. Although the fund seeks to preserve the value of your investment at $1.00 per share, it is possible to lose money by investing in the fund.

1 *Effective yield is based upon dividends declared daily and reinvested monthly. Past performance is no guarantee of future results. Yields fluctuate. Some income may be subject to the federal alternative minimum tax (AMT) for certain investors.*

UNDERSTANDING YOUR FUND'S EXPENSES (Unaudited)

As a mutual fund investor, you pay ongoing expenses, such as management fees and other expenses. Using the information below, you can estimate how these expenses affect your investment and compare them with the expenses of other funds. You also may pay one-time transaction expenses, including sales charges (loads) and redemption fees, which are not shown in this section and would have resulted in higher total expenses. For more information, see your fund's prospectus or talk to your financial adviser.

Review your fund's expenses

The table below shows the expenses you would have paid on a $1,000 investment in Dreyfus New Jersey Municipal Money Market Fund, Inc. from June 1, 2005 to November 30, 2005. It also shows how much a $1,000 investment would be worth at the close of the period, assuming actual returns and expenses.

Expenses and Value of a $1,000 Investment
assuming actual returns for the six months ended November 30, 2005

Expenses paid per $1,000†	$ 3.32
Ending value (after expenses)	$1,009.60

COMPARING YOUR FUND'S EXPENSES WITH THOSE OF OTHER FUNDS (Unaudited)

Using the SEC's method to compare expenses

The Securities and Exchange Commission (SEC) has established guidelines to help investors assess fund expenses. Per these guidelines, the table below shows your fund's expenses based on a $1,000 investment, assuming a hypothetical 5% annualized return. You can use this information to compare the ongoing expenses (but not transaction expenses or total cost) of investing in the fund with those of other funds. All mutual fund shareholder reports will provide this information to help you make this comparison. Please note that you cannot use this information to estimate your actual ending account balance and expenses paid during the period.

Expenses and Value of a $1,000 Investment
assuming a hypothetical 5% annualized return for the six months ended November 30, 2005

Expenses paid per $1,000†	$ 3.35
Ending value (after expenses)	$1,021.76

† *Expenses are equal to the fund's annualized expense ratio of .66%; multiplied by the average account value over the period, multiplied by 183/365 (to reflect the one-half year period).*

STATEMENT OF INVESTMENTS

November 30, 2005

Tax Exempt Investments—99.3%	Principal Amount ($)	Value ($)
Bedminster Township, GO Notes, BAN 3.76%, 6/30/2006	1,446,130	1,453,342
Bergen County Improvement Authority, MFHR (Kentshire Apartments Project) 3.02% (Insured; FNMA and Liquidity Facility; FNMA)	15,000,000 [a]	15,000,000
Brick Township, Notes, BAN 3.17%, 2/23/2006	3,500,750	3,505,698
Camden County Improvement Authority:		
Health Care Redevelopment Revenue (Cooper Health System Project) 3.13% (LOC; Commerce Bank N.A.)	7,000,000 [a]	7,000,000
Revenue (Congregation Beth-El) 3.09% (LOC; Commerce Bank N.A.)	2,195,000 [a]	2,195,000
Chatham Borough, GO Notes, BAN 3.45%, 8/16/2006	1,000,000	1,003,428
Essex County Improvement Authority, Private Schools Revenue (The Children's Institute Project) 3.11% (LOC; Wachovia Bank)	1,990,000 [a]	1,990,000
Hopatcong Borough, GO Notes, BAN 3.95%, 9/22/2006	1,605,900	1,618,490
Jefferson Township, GO Notes, BAN 3.21%, 2/3/2006	2,168,300	2,171,642
Middlesex County, GO Notes, BAN 3.19%, 1/9/2006	9,000,000	9,004,724
Montville Township, GO Notes, BAN 3.47%, 5/25/2006	11,591,000	11,625,688
Mount Laurel Township, GO Notes, BAN 3.97%, 5/26/2006	3,238,000	3,253,382
New Jersey:		
GO Notes, TRAN 3.95%, 6/23/2006	15,625,000	15,720,837
3.07% (Insured; AMBAC and Liquidity Facility; Merrill Lynch)	16,990,000 [a,b]	16,990,000
New Jersey Building Authority, State Building Revenue, Lease Appropriation (Putters Program) 3.05% (Insured; MBIA and Liquidity Facility; JPMorgan Chase Bank)	3,780,000 [a,b]	3,780,000
New Jersey Economic Development Authority:		
EDR:		
(A. F. L. Quality Inc. Project) 3% (LOC; Bank of America)	1,100,000 [a]	1,100,000
(Epiphany House Inc. Project) 3.11% (LOC; Wachovia Bank)	2,985,000 [a]	2,985,000
(Institute of Electrical Engineers) 3.06% (LOC; Wachovia Bank)	2,675,000 [a]	2,675,000

Tax Exempt Investments (continued)	Principal Amount ($)	Value ($)
New Jersey Economic Development Authority (continued):		
EDR (continued):		
(Kenwood USA Corp. Project)		
3.03% (LOC; The Bank of New York)	6,000,000 [a]	6,000,000
(Marco Holdings LLC)		
3.16% (LOC; Wachovia Bank)	335,000 [a]	335,000
(Meridian Assisted Living Shrewsbury)		
3.05% (Insured; FNMA and Liquidity Facility; FNMA)	5,250,000 [a]	5,250,000
Refunding:		
(Jewish Community Metropolitan West)		
3.06% (LOC; Wachovia Bank)	1,000,000 [a]	1,000,000
(R. Realty Co. Project)		
3.06% (LOC; Wachovia Bank)	1,455,000 [a]	1,455,000
(Republic Services Inc. Project)		
3% (LOC; Bank of America)	2,000,000 [a]	2,000,000
(Stamato Realty LLC Project)		
3.08% (LOC; Valley National Bank)	3,855,000 [a]	3,855,000
(Stone Brothers Secaucus Project)		
3.09% (LOC; Valley National Bank)	3,100,000 [a]	3,100,000
(Superior Bakers Inc.)		
3.05% (LOC; PNC Bank N.A.)	2,035,000 [a]	2,035,000
Gas Facilities Revenue		
(NUI Corporation Projects) 3.10% (Insured;		
MBIA and Liquidity Facility; Morgan Stanley)	3,000,000 [a,b]	3,000,000
Industrial Revenue:		
(Buchanan and Zweigle Project)		
3.16% (LOC; Wachovia Bank)	2,415,000 [a]	2,415,000
(Economic Growth Program):		
3.11% (LOC; Wachovia Bank)	35,000 [a]	35,000
3.11% (LOC; Wachovia Bank)	510,000 [a]	510,000
3.26% (LOC; Wachovia Bank)	260,000 [a]	260,000
(Falcon Safety Products Project)		
3.05% (LOC; PNC Bank N.A.)	2,670,000 [a]	2,670,000
(RFC Container Co. Inc.)		
3.05% (LOC; PNC Bank N.A.)	1,195,000 [a]	1,195,000
LR:		
(Putters Program) 3.06% (Insured; FSA and		
Liquidity Facility; JPMorgan Chase Bank)	1,920,000 [a,b]	1,920,000
(Somerset Hills YMCA Project)		
3.09% (LOC; Commerce Bank N.A.)	4,000,000 [a]	4,000,000
Recreational Revenue		
(Young Men's Christian Association)		
3.11% (LOC; Wachovia Bank)	1,475,000 [a]	1,475,000

Tax Exempt Investments (continued)	Principal Amount ($)		Value ($)
New Jersey Economic Development Authority (continued):			
Revenues:			
3.09% (Liquidity Facility; Citibank N.A.)	9,375,000	a,b	9,375,000
(Catholic Charities)			
3.01% (LOC; Wachovia Bank)	1,590,000	a	1,590,000
(CPC Behavioral Health Care)			
3.11% (LOC; Wachovia Bank)	3,795,000	a	3,795,000
(Cranes Mill Project)			
3.10% (LOC; Unicredito Italiano SPA)	6,095,000	a	6,095,000
(Developmental Disabilities)			
3.11% (LOC; Wachovia Bank)	2,420,000	a	2,420,000
(Four Woodbury Mews Project)			
3.15% (LOC; Bank of America)	6,600,000	a	6,600,000
(Parke Place Associates Project)			
3.19% (LOC; Commerce Bank N.A.)	1,355,000	a	1,355,000
(Putters Program) 3.05% (Insured; FSA and Liquidity Facility; JPMorgan Chase Bank)	1,970,000	a,b	1,970,000
(Three Woodbury Mews Project)			
3.15% (LOC; Bank of America)	9,525,000	a	9,525,000
School Revenue:			
Refunding (Blair Academy)			
3.06% (LOC; Wachovia Bank)	5,415,000	a	5,415,000
(Stuart Country Day School)			
3.01% (LOC; Allied Irish Bank PLC)	5,085,000	a	5,085,000
Special Facilities Revenue			
(Port Newark Container LLC)			
3.01% (LOC; Citibank N.A.)	31,000,000	a	31,000,000
Thermal Energy Facilities Revenue:			
(Thermal Energy Limited):			
3.01% (LOC; Bank One)	4,100,000	a	4,100,000
3.01% (LOC; Bank One)	10,900,000	a	10,900,000
New Jersey Health Care Facilities Financing Authority,			
Revenue:			
(Saint Mary's Hospital)			
3.04% (LOC; Valley National Bank)	1,100,000	a	1,100,000
(Saint Peters University Hospital)			
3.05% (LOC; Bank of America)	1,750,000	a	1,750,000
New Jersey Housing and Mortgage Finance Agency, Revenue (Merlots Program) 3.06% (Insured; MBIA and Liquidity Facility; Wachovia Bank)	1,100,000	a,b	1,100,000
New Jersey Transit Corporation,			
Revenue, GAN			
5.38%, 2/1/2006 (Insured; AMBAC)	4,000,000		4,018,653

Tax Exempt Investments (continued)	Principal Amount ($)	Value ($)
New Jersey Turnpike Authority,		
Turnpike Revenue:		
(Merlots Program) 3.01% (Insured; MBIA and Liquidity Facility; Wachovia Bank)	6,000,000 [a,b]	6,000,000
(Putters Program) 3.05% (Insured; MBIA and Liquidity Facility; JPMorgan Chase Bank)	2,495,000 [a,b]	2,495,000
New Milford, GO Notes, TAN 3.52%, 2/8/2006	3,000,000	3,004,968
Newark, GO Notes, Refunding 4.40% 10/1/2006 (Insured; FSA)	1,330,000	1,345,689
Newark Housing Authority, MFHR 3.17% (Liquidity Facility; Merrill Lynch)	4,510,000 [a,b]	4,510,000
Paramus School District, GO Notes 4.19%, 9/15/2006	1,649,480	1,665,271
Passaic County, GO Notes, BAN 3.70%, 7/14/2006	10,000,000	10,061,151
Passaic County Utilities Authority, Sewer Revenue, Refunding (Solid Waste System Project Notes) 3.19%, 2/27/2006	2,000,000	2,003,525
Pequannock Township, BAN 3.70%, 10/27/2006	1,000,000	1,004,814
Port Authority of New York and New Jersey:		
Revenue:		
3.09% (Insured; FGIC and Liquidity Facility; BNP Paribas)	10,000,000 [a,b]	10,000,000
(Putters Program):		
3.08% (Insured; MBIA and Liquidity Facility; JPMorgan Chase Bank)	3,000,000 [a,b]	3,000,000
3.08% (Insured; FGIC and Liquidity Facility; JPMorgan Chase Bank)	370,000 [a,b]	370,000
Special Obligation Revenue:		
(Merlots Program) 3.06% (Insured; MBIA and Liquidity Facility; Wachovia Bank)	2,395,000 [a,b]	2,395,000
(Putters Program) 3.08% (Insured; MBIA and Liquidity Facility; JPMorgan Chase Bank)	3,000,000 [a,b]	3,000,000
Rahway, GO Notes, BAN 3.96%, 7/5/2006	2,685,241 [c]	2,695,982
Raritan Township, GO Notes, BAN 3.95%, 9/8/2006	3,313,000	3,337,511
Red Bank, BAN 3.95%, 8/2/2006	1,530,000	1,540,933
Ringwood Borough, GO Notes, BAN 4.19%, 11/10/2006	1,817,500	1,834,081
Salem County Industrial Pollution Control Financing Authority, Industrial Revenue (E.I. Dupont de Nemours) 2.86%	2,300,000 [a]	2,300,000

Tax Exempt Investments (continued)	Principal Amount ($)		Value ($)
Salem County Pollution Control Financing Authority, PCR, Refunding (Atlantic City Electric Company) 3% (Insured; MBIA and Liquidity Facility; The Bank of New York)	690,000	a	690,000
Sparta Township, GO Notes, BAN 2.94%, 1/13/2006	3,766,514		3,766,801
Toms River Board of Education, GO Notes 4.29%, 11/22/2006	2,670,000		2,692,568
Trenton Parking Authority, Parking Revenue (Putters Program) 3.05% (Insured; FGIC and Liquidity Facility; JPMorgan Chase Bank)	4,320,000	a,b	4,320,000
Union County, GO Notes, BAN 3.22%, 3/1/2006	4,000,000		4,005,162
Union County Improvement Authority, Revenue (Cedar Glen Housing Corp. Project) 3.06% (Insured; FNMA and Liquidity Facility; FNMA)	16,110,000	a	16,110,000
Union Township Board of Education, GO Notes 3.95%, 7/13/2006	4,795,000		4,824,898
Vernon Township, GO Notes, BAN 3.50%, 1/13/2006	11,398,000		11,405,117
Voorhees Township, GO Notes, BAN 3.17%, 1/5/2006	5,819,000		5,822,382
Wanaque Borough, GO Notes, BAN 3.43%, 2/17/2006	1,108,250		1,109,807
Total Investments (cost $370,086,544)	**99.3%**		**370,086,544**
Cash and Receivables (Net)	**.7%**		**2,612,243**
Net Assets	**100.0%**		**372,698,787**

Summary of Abbreviations

ACA	American Capital Access
AGC	ACE Guaranty Corporation
AGIC	Asset Guaranty Insurance Company
AMBAC	American Municipal Bond Assurance Corporation
ARRN	Adjustable Rate Receipt Notes
BAN	Bond Anticipation Notes
BIGI	Bond Investors Guaranty Insurance
BPA	Bond Purchase Agreement
CGIC	Capital Guaranty Insurance Company
CIC	Continental Insurance Company
CIFG	CDC Ixis Financial Guaranty
CMAC	Capital Market Assurance Corporation
COP	Certificate of Participation
CP	Commercial Paper
EDR	Economic Development Revenue
EIR	Environmental Improvement Revenue
FGIC	Financial Guaranty Insurance Company
FHA	Federal Housing Administration
FHLB	Federal Home Loan Bank
FHLMC	Federal Home Loan Mortgage Corporation
FNMA	Federal National Mortgage Association
FSA	Financial Security Assurance
GAN	Grant Anticipation Notes
GIC	Guaranteed Investment Contract
GNMA	Government National Mortgage Association
GO	General Obligation
HR	Hospital Revenue
IDB	Industrial Development Board
IDC	Industrial Development Corporation
IDR	Industrial Development Revenue
LOC	Letter of Credit
LOR	Limited Obligation Revenue
LR	Lease Revenue
MBIA	Municipal Bond Investors Assurance Insurance Corporation
MFHR	Multi-Family Housing Revenue
MFMR	Multi-Family Mortgage Revenue
PCR	Pollution Control Revenue
RAC	Revenue Anticipation Certificates
RAN	Revenue Anticipation Notes
RAW	Revenue Anticipation Warrants
RRR	Resources Recovery Revenue
SAAN	State Aid Anticipation Notes
SBPA	Standby Bond Purchase Agreement
SFHR	Single Family Housing Revenue
SFMR	Single Family Mortgage Revenue
SONYMA	State of New York Mortgage Agency
SWDR	Solid Waste Disposal Revenue
TAN	Tax Anticipation Notes
TAW	Tax Anticipation Warrants
TRAN	Tax and Revenue Anticipation Notes
XLCA	XL Capital Assurance

Summary of Combined Ratings (Unaudited)

Fitch	or	Moody's	or	Standard & Poor's	Value (%)†
F1, F1+		VMIG1, MIG1, P1		SP1+, SP1, A1+, A1	66.5
AAA, AA, A [d]		Aaa, Aa, A [d]		AAA, AA, A [d]	3.6
Not Rated [e]		Not Rated [e]		Not Rated [e]	29.9
					100.0

† *Based on total investments.*

[a] *Securities payable on demand. Variable interest rate—subject to periodic change.*

[b] *Securities exempt from registration under Rule 144A of the Securities Act of 1933. These securities may be resold in transactions exempt from registration, normally to qualified institutional buyers. At November 30, 2005, these securities amounted to $74,225,000 or 19.9% of net assets.*

[c] *Purchased on a delayed delivery basis.*

[d] *Notes which are not F, MIG and SP rated are represented by bond ratings of the issuers.*

[e] *Securities which, while not rated by Fitch, Moody's and Standard & Poor's, have been determined by the Manager to be of comparable quality to those rated securities in which the fund may invest.*

See notes to financial statements.

STATEMENT OF ASSETS AND LIABILITIES

November 30, 2005

	Cost	Value
Assets ($):		
Investments in securities—See Statement of Investments	370,086,544	370,086,544
Cash		6,874,138
Interest receivable		2,484,781
Prepaid expenses		22,254
		379,467,717
Liabilities ($):		
Due to The Dreyfus Corporation and affiliates—Note 2(b)		167,744
Payable for investment securities purchased		6,462,214
Payable for shares of Common Stock redeemed		22,705
Accrued expenses		116,267
		6,768,930
Net Assets ($)		**372,698,787**
Composition of Net Assets ($):		
Paid-in capital		372,698,949
Accumulated net realized gain (loss) on investments		(162)
Net Assets ($)		**372,698,787**
Shares Outstanding		
(2 billion shares of $.001 par value Common Stock authorized)		372,795,615
Net Asset Value, offering and redemption price per share ($)		**1.00**

See notes to financial statements.

STATEMENT OF OPERATIONS

	Ten Months Ended November 30, 2005[a]	Year Ended January 31, 2005
Investment Income ($):		
Interest Income	**7,432,459**	**4,817,027**
Expenses:		
Management fee—Note 2(a)	1,525,617	1,874,267
Shareholder servicing costs—Note 2(b)	291,540	406,128
Professional fees	60,690	51,994
Custodian fees	34,892	45,386
Prospectus and shareholders' reports	19,044	19,522
Directors' fees and expenses—Note 2(c)	13,132	25,383
Registration fees	8,353	12,301
Miscellaneous	17,587	18,560
Total Expenses	**1,970,855**	**2,453,541**
Less—reduction in custody fees due to earnings credits—Note 1(b)	–	(6,601)
Net Expenses	**1,970,855**	**2,446,940**
Investment Income—Net	**5,461,604**	**2,370,087**
Realized and Unrealized Gain (Loss) on Investments—Note 1(b) ($):		
Net realized gain (loss) on investments	67,815	15,936
Net unrealized appreciation (depreciation) on investments	(52,110)	52,110
Net Realized and Unrealized Gain (Loss) on Investments	**15,705**	**68,046**
Net Increase in Net Assets Resulting from Operations	**5,477,309**	**2,438,133**

[a] *The fund has changed its fiscal year end from January 31 to November 30.*

See notes to financial statements.

STATEMENT OF CHANGES IN NET ASSETS

	Ten Months Ended	Year Ended January 31,	
	November 30, 2005[a]	2005	2004
Operations ($):			
Investment income—net	5,461,604	2,370,087	1,897,402
Net realized gain (loss) on investments	67,815	15,936	3,295
Net unrealized appreciation (depreciation) on investments	(52,110)	52,110	–
Net Increase (Decrease) in Net Assets Resulting from Operations	**5,477,309**	**2,438,133**	**1,900,697**
Dividends to Shareholders from ($):			
Investment income—net	**(5,461,604)**	**(2,370,087)**	**(1,897,402)**
Capital Stock Transactions ($1.00 per share):			
Net proceeds from shares sold	526,335,163	495,194,440	519,029,161
Dividends reinvested	4,692,580	2,028,553	1,562,187
Cost of shares redeemed	(500,660,917)	(527,358,673)	(575,210,483)
Increase (Decrease) in Net Assets from Capital Stock Transactions	**30,366,826**	**(30,135,680)**	**(54,619,135)**
Total Increase (Decrease) in Net Assets	**30,382,531**	**(30,067,634)**	**(54,615,840)**
Net Assets ($):			
Beginning of Period	342,316,256	372,383,890	426,999,730
End of Period	**372,698,787**	**342,316,256**	**372,383,890**

[a] *The fund has changed its fiscal year end from January 31 to November 30.*
See notes to financial statements.

FINANCIAL HIGHLIGHTS

The following table describes the performance for the fiscal periods indicated. Total return shows how much your investment in the fund would have increased (or decreased) during each period, assuming you had reinvested all dividends and distributions. These figures have been derived from the fund's financial statements.

	Ten Months Ended November 30, 2005[a]	Year Ended January 31, 2005	2004	2003	2002	2001
Per Share Data ($):						
Net asset value, beginning of period	1.00	1.00	1.00	1.00	1.00	1.00
Investment Operations:						
Investment income—net	.015	.006	.005	.008	.020	.033
Distributions:						
Dividends from investment income—net	(.015)	(.006)	(.005)	(.008)	(.020)	(.033)
Net asset value, end of period	1.00	1.00	1.00	1.00	1.00	1.00
Total Return (%)	1.79[b]	.64	.46	.83	2.06	3.32
Ratios/Supplemental Data (%):						
Ratio of total expenses to average net assets	.65[b]	.65	.64	.65	.65	.67
Ratio of net expenses to average net assets	.65[b]	.65	.64	.65	.65	.67
Ratio of net investment income to average net assets	1.79[b]	.63	.46	.83	2.04	3.25
Net Assets, end of period ($ x 1,000)	372,699	342,316	372,384	427,000	468,492	439,244

[a] *The fund has changed its fiscal year end from January 31 to November 30.*

[b] *Annualized.*

See notes to financial statements.

NOTE 1—Significant Accounting Policies:

Dreyfus New Jersey Municipal Money Market Fund, Inc. (the "fund") is registered under the Investment Company Act of 1940, as amended (the "Act"), as a non-diversified open-end management investment company. The fund's investment objective is to provide investors with as high a level of current income exempt from federal and New Jersey state income taxes as is consistent with the preservation of capital and the maintenance of liquidity. The Dreyfus Corporation (the "Manager") serves as the fund's investment adviser. The Manager is a wholly-owned subsidiary of Mellon Financial Corporation ("Mellon Financial"). Dreyfus Service Corporation (the "Distributor"), a wholly-owned subsidiary of the Manager, is the distributor of the fund's shares, which are sold to the public without a sales charge.

On August 2, 2005, the Board of Directors approved a change in the fund's fiscal year end from January 31 to November 30.

It is the fund's policy to maintain a continuous net asset value per share of $1.00; the fund has adopted certain investment, portfolio valuation and dividend and distribution policies to enable it to do so. There is no assurance, however, that the fund will be able to maintain a stable net asset value per share of $1.00.

The fund's financial statements are prepared in accordance with U.S. generally accepted accounting principles, which may require the use of management estimates and assumptions. Actual results could differ from those estimates.

The fund enters into contracts that contain a variety of indemnifications. The fund's maximum exposure under these arrangements is unknown. The fund does not anticipate recognizing any loss related to these arrangements.

(a) Portfolio valuation: Investments in securities are valued at amortized cost in accordance with Rule 2a-7 of the Act, which has been determined by the Board of Directors to represent the fair value of the fund's investments.

(b) Securities transactions and investment income: Securities transactions are recorded on a trade date basis. Interest income, adjusted for accretion of discount and amortization of premium on investments, is earned from settlement date and recognized on the accrual basis. Realized gain and loss from securities transactions are recorded on the identified cost basis. Cost of investments represents amortized cost.

The fund has an arrangement with the custodian bank whereby the fund receives earnings credits from the custodian when positive cash balances are maintained, which are used to offset custody fees. For financial reporting purposes, the fund includes net earnings credits as an expense offset in the Statement of Operations.

The fund follows an investment policy of investing primarily in municipal obligations of one state. Economic changes affecting the state and certain of its public bodies and municipalities may affect the ability of issuers within the state to pay interest on, or repay principal of, municipal obligations held by the fund.

(c) Dividends to shareholders: It is the policy of the fund to declare dividends daily from investment income-net. Such dividends are paid monthly. Dividends from net realized capital gain, if any, are normally declared and paid annually, but the fund may make distributions on a more frequent basis to comply with the distribution requirements of the Internal Revenue Code of 1986, as amended (the "Code"). To the extent that net realized capital gain can be offset by capital loss carryovers, it is the policy of the fund not to distribute such gain.

(d) Federal income taxes: It is the policy of the fund to continue to qualify as a regulated investment company, which can distribute tax exempt dividends, by complying with the applicable provisions of the Code, and to make distributions of income and net realized capital gain sufficient to relieve it from substantially all federal income and excise taxes.

At November 30, 2005, the components of accumulated earnings on a tax basis were substantially the same as for financial reporting purposes.

The accumulated capital loss carryover of $162 is available to be applied against future net securities profits, if any, realized subsequent to November 30, 2005. If not applied, the carryover expires in fiscal 2006.

The tax character of distributions paid to shareholders during the fiscal periods ended November 30, 2005, January 31, 2005 and January 31, 2004, respectively, were all tax exempt income.

At November 30, 2005, the cost of investments for federal income tax purposes was substantially the same as the cost for financial reporting purposes (see the Statement of Investments).

NOTE 2—Management Fee and Other Transactions with Affiliates:

(a) Pursuant to a management agreement with the Manager, the management fee is computed at the annual rate of .50% of the value of the fund's average daily net assets and is payable monthly.

(b) Under the Shareholder Services Plan, the fund reimburses the Distributor, an amount not to exceed an annual rate of .25% of the value of the fund's average daily net assets for certain allocated expenses of providing personal services and/or maintaining shareholder accounts. The services provided may include personal services relating to shareholder accounts, such as answering shareholder inquiries regarding the fund and providing reports and other information, and services related to the maintenance of shareholder accounts. During the period ended November 30, 2005, the fund was charged $165,812 pursuant to the Shareholder Services Plan.

The fund compensates Dreyfus Transfer, Inc., a wholly-owned subsidiary of the Manager, under a transfer agency agreement, for providing personnel and facilities to perform transfer agency services for the fund. During the period ended November 30, 2005, the fund was charged $83,751 pursuant to the transfer agency agreement.

During the period ended November 30, 2005, the fund was charged $3,005 for services performed by the Chief Compliance Officer.

The components of Due to The Dreyfus Corporation and affiliates in the Statement of Assets and Liabilities consist of: management fees $149,496, chief compliance officer fees $1,548 and transfer agency per account fees $16,700.

(c) Each Board member also serves as a Board member of other funds within the Dreyfus complex. Annual retainer fees and attendance fees are allocated to each fund based on net assets.

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

Shareholders and Board of Directors
Dreyfus New Jersey Municipal Money Market Fund, Inc.

We have audited the accompanying statement of assets and liabilities of Dreyfus New Jersey Municipal Money Market Fund, Inc., including the statement of investments, as of November 30, 2005, and the related statements of operations and changes in net assets and financial highlights for each of the periods indicated therein. These financial statements and financial highlights are the responsibility of the Fund's management. Our responsibility is to express an opinion on these financial statements and financial highlights based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements and financial highlights are free of material misstatement. We were not engaged to perform an audit of the Fund's internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Fund's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements and financial highlights, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. Our procedures included confirmation of securities owned as of November 30, 2005 by correspondence with the custodian and others or by other appropriate auditing procedures where replies from others were not received. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements and financial highlights referred to above present fairly, in all material respects, the financial position of Dreyfus New Jersey Municipal Money Market Fund, Inc. at November 30, 2005, and the results of its operations, the changes in its net assets and the financial highlights for each of the indicated periods, in conformity with U.S. generally accepted accounting principles.

Ernst & Young LLP

New York, New York
January 9, 2006

IMPORTANT TAX INFORMATION (Unaudited)

In accordance with federal tax law, the fund hereby designates all the dividends paid from investment income-net during the fiscal period ended November 30, 2005 as "exempt-interest dividends" (not subject to regular federal and, for individuals who are New Jersey residents, New Jersey personal income taxes).

Joseph S. DiMartino (62)
Chairman of the Board (1995)

Principal Occupation During Past 5 Years:
- Corporate Director and Trustee

Other Board Memberships and Affiliations:
- The Muscular Dystrophy Association, Director
- Levcor International, Inc., an apparel fabric processor, Director
- Century Business Services, Inc., a provider of outsourcing functions for small and medium size companies, Director
- The Newark Group, a provider of a national market of paper recovery facilities, paperboard mills and paperboard converting plants, Director
- Sunair Services Corporation, engages in the design, manufacture and sale of high frequency systems for long-range voice and data communications, as well as providing certain outdoor-related services to homes and businesses, Director

No. of Portfolios for which Board Member Serves: 193

David W. Burke (69)
Board Member (1994)

Principal Occupation During Past 5 Years:
- Corporate Director and Trustee

Other Board Memberships and Affiliations:
- John F. Kennedy Library Foundation, Director
- U.S.S. Constitution Museum, Director

No. of Portfolios for which Board Member Serves: 84

Gordon J. Davis (64)
Board Member (1995)

Principal Occupation During Past 5 Years:
- Partner in the law firm of LeBoeuf, Lamb, Greene & MacRae LLP
- President, Lincoln Center for the Performing Arts, Inc. (2001)

Other Board Memberships and Affiliations:
- Consolidated Edison, Inc., a utility company, Director
- Phoenix Companies, Inc., a life insurance company, Director
- Board Member/Trustee for several not-for-profit groups

No. of Portfolios for which Board Member Serves: 26

Joni Evans (63)
Board Member (1988)

Principal Occupation During Past 5 Years:
• Senior Vice President of the William Morris Agency

No. of Portfolios for which Board Member Serves: 15

Arnold S. Hiatt (78)
Board Member (1988)

Principal Occupation During Past 5 Years:
• Chairman of The Stride Rite Charitable Foundation

Other Board Memberships and Affiliations:
• Isabella Stewart Gardner Museum, Trustee
• John Merck Fund, a charitable trust, Trustee
• Business for Social Responsibility, Director
• The A.M. Fund, Trustee

No. of Portfolios for which Board Member Serves: 15

Burton N. Wallack (55)
Board Member (1991)

Principal Occupation During Past 5 Years:
• President and co-owner of Wallack Management Company, a real estate management company

No. of Portfolios for which Board Member Serves: 15

Once elected all Board Members serve for an indefinite term. The address of the Board Members and Officers is in c/o The Dreyfus Corporation, 200 Park Avenue, New York, New York 10166. Additional information about the Board Members is available in the fund's Statement of Additional Information which can be obtained from Dreyfus free of charge by calling this toll free number: 1-800-554-4611.

Samuel Chase, Emeritus Board Member

OFFICERS OF THE FUND (Unaudited)

STEPHEN E. CANTER, President since March 2000.

Chairman of the Board, Chief Executive Officer and Chief Operating Officer of the Manager, and an officer of 90 investment companies (comprised of 184 portfolios) managed by the Manager. Mr. Canter also is a Board member and, where applicable, an Executive Committee Member of the other investment management subsidiaries of Mellon Financial Corporation, each of which is an affiliate of the Manager. He is 60 years old and has been an employee of the Manager since May 1995.

STEPHEN R. BYERS, Executive Vice President since November 2002.

Chief Investment Officer, Vice Chairman and a director of the Manager, and an officer of 90 investment companies (comprised of 184 portfolios) managed by the Manager. Mr. Byers also is an officer, director or an Executive Committee Member of certain other investment management subsidiaries of Mellon Financial Corporation, each of which is an affiliate of the Manager. He is 52 years old and has been an employee of the Manager since January 2000.

MARK N. JACOBS, Vice President since March 2000.

Executive Vice President, Secretary and General Counsel of the Manager, and an officer of 91 investment companies (comprised of 200 portfolios) managed by the Manager. He is 59 years old and has been an employee of the Manager since June 1977.

MICHAEL A. ROSENBERG, Vice President and Secretary since August 2005.

Associate General Counsel of the Manager, and an officer of 91 investment companies (comprised of 200 portfolios) managed by the Manager. He is 45 years old and has been an employee of the Manager since October 1991.

JAMES BITETTO, Vice President and Assistant Secretary since August 2005.

Assistant General Counsel and Assistant Secretary of the Manager, and an officer of 91 investment companies (comprised of 200 portfolios) managed by the Manager. He is 39 years old and has been an employee of the Manager since December 1996.

JONI LACKS CHARATAN, Vice President and Assistant Secretary since August 2005.

Associate General Counsel of the Manager, and an officer of 91 investment companies (comprised of 200 portfolios) managed by the Manager. She is 50 years old and has been an employee of the Manager since October 1988.

JOSEPH M. CHIOFFI, Vice President and Assistant Secretary since August 2005.

Assistant General Counsel of the Manager, and an officer of 91 investment companies (comprised of 200 portfolios) managed by the Manager. He is 44 years old and has been an employee of the Manager since June 2000.

JANETTE E. FARRAGHER, Vice President and Assistant Secretary since August 2005.

Associate General Counsel of the Manager, and an officer of 91 investment companies (comprised of 200 portfolios) managed by the Manager. She is 42 years old and has been an employee of the Manager since February 1984.

JOHN B. HAMMALIAN, Vice President and Assistant Secretary since August 2005.

Associate General Counsel of the Manager, and an officer of 91 investment companies (comprised of 200 portfolios) managed by the Manager. He is 42 years old and has been an employee of the Manager since February 1991.

ROBERT R. MULLERY, Vice President and Assistant Secretary since August 2005.

Associate General Counsel of the Manager, and an officer of 91 investment companies (comprised of 200 portfolios) managed by the Manager. He is 53 years old and has been an employee of the Manager since May 1986.

JEFF PRUSNOFSKY, Vice President and Assistant Secretary since August 2005.

Associate General Counsel of the Manager, and an officer of 91 investment companies (comprised of 200 portfolios) managed by the Manager. He is 40 years old and has been an employee of the Manager since October 1990.

JAMES WINDELS, Treasurer since November 2001.

Director – Mutual Fund Accounting of the Manager, and an officer of 91 investment companies (comprised of 200 portfolios) managed by the Manager. He is 47 years old and has been an employee of the Manager since April 1985.

ERIK D. NAVILOFF, Assistant Treasurer since August 2005.

Senior Accounting Manager – Taxable Fixed Income Funds of the Manager, and an officer of 91 investment companies (comprised of 200 portfolios) managed by the Manager. He is 37 years old and has been an employee of the Manager since November 1992.

ROBERT ROBOL, Assistant Treasurer since August 2003.

Senior Accounting Manager – Money Market Funds of the Manager, and an officer of 91 investment companies (comprised of 200 portfolios) managed by the Manager. He is 41 years old and has been an employee of the Manager since October 1988.

ROBERT SVAGNA, Assistant Treasurer since August 2005.

Senior Accounting Manager – Equity Funds of the Manager, and an officer of 91 investment companies (comprised of 200 portfolios) managed by the Manager. He is 38 years old and has been an employee of the Manager since November 1990.

GAVIN C. REILLY, Assistant Treasurer since December 2005.

Tax Manager of the Investment Accounting and Support Department of the Manager, and an officer of 91 investment companies (comprised of 200 portfolios) managed by the Manager. He is 37 years old and has been an employee of the Manager since April 1991.

JOSEPH W. CONNOLLY, Chief Compliance Officer since October 2004.

Chief Compliance Officer of the Manager and The Dreyfus Family of Funds (91 investment companies, comprised of 200 portfolios). From November 2001 through March 2004, Mr. Connolly was first Vice-President, Mutual Fund Servicing for Mellon Global Securities Services. In that capacity, Mr. Connolly was responsible for managing Mellon's Custody, Fund Accounting and Fund Administration services to third-party mutual fund clients. He is 48 years old and has served in various capacities with the Manager since 1980, including manager of the firm's Fund Accounting Department from 1997 through October 2001.

WILLIAM GERMENIS, Anti-Money Laundering Compliance Officer since October 2002.

Vice President and Anti-Money Laundering Compliance Officer of the Distributor, and the Anti-Money Laundering Compliance Officer of 87 investment companies (comprised of 196 portfolios) managed by the Manager. He is 35 years old and has been an employee of the Distributor since October 1998.

NOTES

For More Information

Dreyfus New Jersey Municipal Money Market Fund, Inc.
200 Park Avenue
New York, NY 10166

Manager

The Dreyfus Corporation
200 Park Avenue
New York, NY 10166

Custodian

The Bank of New York
One Wall Street
New York, NY 10286

Transfer Agent & Dividend Disbursing Agent

Dreyfus Transfer, Inc.
200 Park Avenue
New York, NY 10166

Distributor

Dreyfus Service Corporation
200 Park Avenue
New York, NY 10166

Telephone 1-800-645-6561

Mail The Dreyfus Family of Funds, 144 Glenn Curtiss Boulevard, Uniondale, NY 11556-0144

E-mail Send your request to info@dreyfus.com

Internet Information can be viewed online or downloaded at: http://www.dreyfus.com

The fund files its complete schedule of portfolio holdings with the Securities and Exchange Commission ("SEC") for the first and third quarters of each fiscal year on Form N-Q. The fund's Forms N-Q are available on the SEC's website at http://www.sec.gov and may be reviewed and copied at the SEC's Public Reference Room in Washington, DC. Information on the operation of the Public Reference Room may be obtained by calling 1-800-SEC-0330.

Information regarding how the fund voted proxies relating to portfolio securities for the 12-month period ended June 30, 2005, is available on the SEC's website at http://www.sec.gov and without charge, upon request, by calling 1-800-645-6561.

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