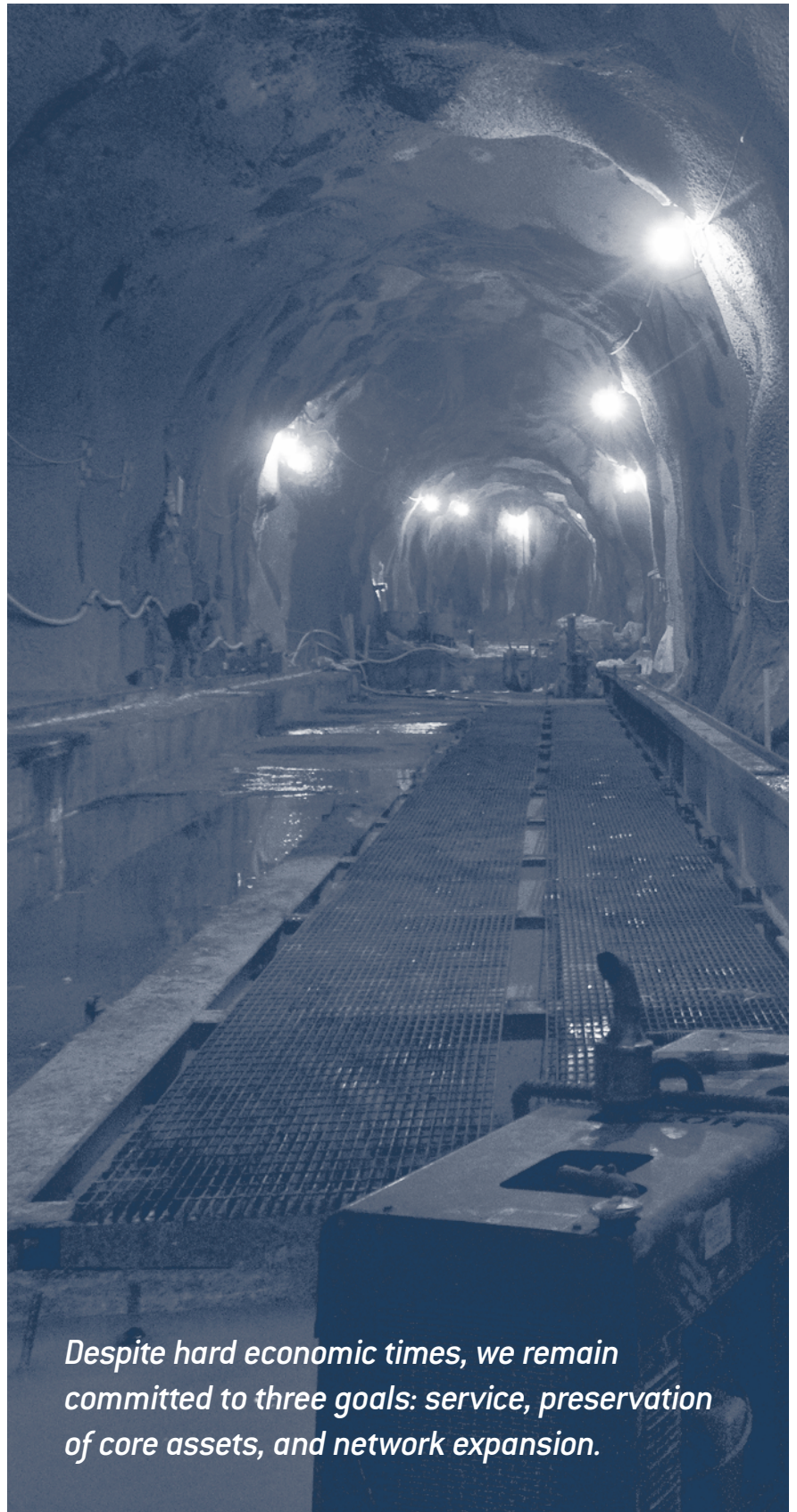




# 2008 Annual Report

Comprehensive Annual  
Financial Report  
for the Year Ended  
December 31, 2008



*Despite hard economic times, we remain committed to three goals: service, preservation of core assets, and network expansion.*

---

# MTA 40th Anniversary

For 40 years, the Metropolitan Transportation Authority has guided mass transit planning and operations in the downstate region, with responsibility for New York City subways and buses, Long Island and northern suburbs commuter rail service, Nassau County buses, and a bridge and tunnel network that links the boroughs of New York City. In its short history it has demonstrated that no challenge is too great.

**1968** – MTA formed; with responsibility for MTA New York City Transit, MTA Long Island Rail Road, and the Triborough Bridge and Tunnel Authority, now MTA Bridges and Tunnels.

**1973** – With the bankruptcy of 10 local bus companies in Nassau County, they are merged into the Metropolitan Suburban Bus Authority, now MTA Long Island Bus.

**1982** – Recognizing that years of disinvestment had led to the near collapse of the MTA system, New York State's Governor and Legislature began the first of a series of Capital Programs to repair and restore the system.

**1983** – MTA acquires the commuter rail operations of Penn Central in New York State and Connecticut to form Metro-North Commuter Railroad, now MTA Metro-North Railroad.

**2003** – With an ambitious program of expansion project underway, MTA forms MTA Capital Construction to provide construction management and oversight on expansion and downtown mobility improvement projects.

**2004** – MTA Bus formed to take over the operations of seven privately owned franchise bus lines in New York City. The process of combining the operations began in early 2005 and was completed just over a year later.

**2008** – MTA integrates the management of its three bus operations to create a more seamless and efficient regional bus operation.

To celebrate its 40th anniversary, the MTA sponsored a series of lectures dealing with key mass transit issues, including the State of the MTA, a review of current operations and future plans by Executive Director and Chief Executive Officer Elliot G. Sander.

Today the MTA Network operates in 14 counties in New York State and Connecticut, covering more than 5,000 square miles and a population base of 14.9 million. It provides more than 8.7 million rides per day, more than 2.7 billion annually, and nearly 300 million vehicles use its bridge and tunnel crossings each year, making it, by far, the largest public transportation network in North America.



---

# 2008 Annual Report

## Contents

### The MTA

---

Message from the Chairman	2
Message from the Executive Director and Chief Executive Officer	4
MTA Leadership	6
2008 Consolidated Financial Highlights	8
Capital Program Progress	9
MTA Operations	
Performance	10
Workforce Development	14
Institutional Transformation	18
Customer Service	22
Projects and Planning	30
Finance	36
Safety and Security	40
Sustainability	44

### The MTA Agencies

---

MTA New York City Transit	49
MTA Long Island Rail Road	50
MTA Long Island Bus	51
MTA Metro-North Railroad	52
MTA Bridges and Tunnels	53
MTA Capital Construction	54
MTA Bus Company	55

### Comprehensive Annual Financial Report

---

*Follows page 56*

---



## Message from the Chairman

*May 6, 2009*

Throughout 2008, the MTA Board struggled with mounting challenges presented by national and regional economic downturns, nonetheless continuing to provide reliable service to record numbers of subway, bus, and commuter rail riders as well as bridge and tunnel users.

Twenty-seven years ago the MTA was in a similar predicament. A tough economy, on top of decades of deferred funding and capital starvation had brought our region's public transportation to the brink of collapse, further threatening the health of New York and potentially sending the regional economy into an endless tailspin.

Bad things became routine: track fires, derailments every 18 days, over 300 subway runs abandoned each day, graffiti, crime – and that was just what the public saw. Behind the scenes much more was at risk: the fans, pumps, signals, and infrastructure that keep the system alive. Our buses, subways, and railroads became a symbol of urban decay, and riders, workers, school children, and



the elderly became the victims. Born and bred New Yorkers packed up and left the Empire State.

In 1982 some very dedicated New Yorkers, at the MTA and in the political and business communities – recognizing how important MTA services were to the region – made tough decisions at the MTA, at City Hall, and in Albany that made the MTA, for all its imperfections, arguably *the* governmental success story of the last generation.

As a result, service is now better, safer, and more reliable. People have come back to ride our trains and buses in numbers not seen in half a century. New York – left for dead in 1972 – has actually experienced population growth annually for more than a decade, largely because the MTA works and works well.

Mindful of that history, we, too, worked very hard throughout 2008 to ensure that even in tough times we could ensure the stability and reliability of MTA services, while trying to maintain the momentum of projects that are critical to the future economic growth of the city, state, and region.

To accomplish this goal, we had to confront head-on potentially painful choices as economically sensitive subsidy revenues continued to shrink. Despite taking tens of millions of dollars of internal actions to increase administrative and operating efficiency, we had to consider the last resort left within our purview – raising fares and tolls and cutting service.

While potentially disastrous scenarios were seriously contemplated, we are relieved that once again, the political and business communities came together so that as of this writing it appears that the worst of those scenarios will not have to be advanced. We are particularly grateful to Governor Paterson and State Legislative leaders who have come up with a funding plan that will allow us to avoid the draconian and counterproductive fare increases and service cuts that might have been. While not perfect, the plan addresses the immediate problem at hand, acknowledges our need for stable, adequate funding, and

is a critically important first step in avoiding a recurrence of the massive system-wide decline and disrepair we experienced in the 70s and 80s.

As is the case with governmental entities across the country, we are still not out of the financial woods. Keeping fares relatively stable over the long term and funding our multi-year Capital Program to keep pace with and support the region's economic growth still must be addressed, and we are optimistic that they will be later this year.

For that to happen, however, the MTA will need the continued backing of all of our partners in the business community, among our riders, and in Albany, Washington, and local governments across the region. We will need champions like those in the early 1980s to continue to step up to protect the health of the MTA system.

The region deserves no less and on behalf of the MTA Board, I recommit our Board and the MTA leadership team to continue our efforts to forge creative ways both internally and externally to ensure that health going forward.

H. Dale Hemmerdinger





## Message from the Executive Director and Chief Executive Officer

May 6, 2009

MTA ridership was up last year despite the effects of a national recession and all MTA agencies continued to receive positive ratings for service and safety from customers. And although the economic crisis steadily deepened as the year progressed, our skilled and dedicated employees made important advances in helping to achieve our seven strategic priorities: workforce development, institutional transformation, customer service, projects and planning, security, sustainability, and finance.

MTA New York City Transit – our largest agency – provided over a million classroom hours of technical instruction to employees last year. The other agencies also offered substantial training, professional development, and recognition programs along with management development programs aimed at preparing personnel to move into positions of greater responsibility – clear testimony that the MTA is strengthening its relations with employees

and is committed to *workforce development* and a culture that values, engages, and supports employees and fosters career growth.

*Institutional transformation* has become a powerful tool in putting the operations of our three bus companies and their paratransit services under the direction of a single executive. This has resulted in more efficient, consistent operations and procedures and shared services as well as cost savings. Consolidating the back office operations of our seven agencies into a single Business Service Center is well under way and on track; the center will save the MTA \$30 to \$40 million a year when it is fully operational in 2012. For the subways, a new initiative making Line General Managers fully responsible for each subway line, running it directly, streamlining reporting relationships, breaking down artificial barriers, and improving service, has shown tremendous promise.

Our focus on *customer service* brought a host of enhancements to the transit experience across all agencies: powerful on-line trip planning tools; added service, schedule and route adjustments to meet customer needs; better signage and communications, including near real-time text message and email notices of service disruptions; and more payment flexibility with ExpressPay MetroCard and simplified E-ZPass forms.

With completion of more than \$3.3 billion in Capital Program projects, and new commitments of \$3.9 billion, significant progress on excavation for East Side Access, Second Avenue Subway, and 7 line extension, we maintain our strong commitment to *projects and planning* that not only keep the system in a state of good repair but extend it to meet the needs of the region's population growth for the next 25 years.

Though the details of our aggressive initiatives in *security* cannot be divulged, we continue to work closely with the Police Department toward an integrated electronic security system and other initiatives are progressing satisfactorily to protect our customers and system from terrorism and other attacks.



The MTA is implementing policies and innovative projects to reduce and manage its greenhouse gases, water, waste, and resource use, and to ensure that we create healthier, more productive environments for MTA customers and employees while lowering the life-cycle costs of MTA assets. *Sustainability* initiatives last year included fuel management – switching to cleaner-burning fuels such as bio-diesel or #2 oil and more efficient burners; safe, cost-effective, and environmentally responsible waste management; agency-wide Green Construction Specifications and LEED-certified buildings like the new Corona Rail Maintenance Shop; and transit-oriented development in the 10-acre area near LIRR's West Hempstead Station. The Final Report of the Blue Ribbon Committee on Sustainability and the MTA identified promising technologies, strategies, and goals to make the daily operations and capital projects of each agency more sustainable in the use of energy, water, and other resources. Its nearly 100 recommendations for greening the MTA's infrastructure and the MTA's 5,000-square-mile region have national implications.

But as we entered the second half of the year, it became clear that the national and local economy was taking a serious turn for the worse. In finance, the fundamental importance of our efforts to build a solid financial platform for the MTA was dramatized when a key source of funding for the MTA, the mortgage recording tax, dropped more precipitously than expected. By the end of 2008 we knew that without help the MTA could not sustain fares and tolls at their 2008 levels nor provide the levels of subway, commuter rail, bus, and bridge and tunnel service, and Capital Program development the metropolitan area had grown to expect – and without which it cannot survive and prosper.

Last year the MTA marked its 40th anniversary. In those 40 years a robust and thriving public transportation system was brought to the verge of collapse by artificially low fares combined with decades of disinvestment and deferred maintenance, and was then regenerated through long, hard work. In 2008 the MTA faced the threat of a replay of that scenario and its negative effects.

In December the Ravitch Commission Report, commissioned by Governor Paterson, endorsed the mission of the MTA and its critical importance to the region's economic well-being, and outlined actions that would provide stable, long-term relief for the MTA's financial difficulties: a realistic combination of new tolls, reasonable fare hikes, and a "mobility tax" on payrolls in the region. But the beginning of 2009 brought no commitment to implementing the Commission's recommendations to bring the kind of long-term financial stability the MTA needs to function, grow, and support the regional economy.

We worked closely and diligently with our state, local, and federal partners to avert short-term band-aids and system deterioration through disinvestment. As this is being printed, a solution has just been crafted in Albany that includes modest fare increases and payroll taxes that will achieve this result with the least possible impact on our customers. A realistic, reliable, long-term funding mechanism for public transportation that serves the entire region and its growing population still remains a root priority as does funding for capital projects and fares. Achieving this goal will ensure a robust and secure public transportation system in prime operating condition that grows to meet the demands of a growing region and economy.

Elliot G. Sander

# MTA Leadership

As of May 1, 2009

## MTA Board



H. Dale Hemmerdinger,  
Chairman



David S. Mack,  
Vice Chairman



Andrew M. Saul,  
Vice Chairman



Andrew B. Albert



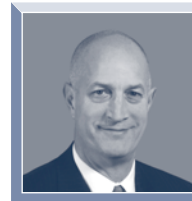
John H. Banks



Robert C. Bickford



James F. Blair



Norman E. Brown



Allen P. Cappelli



Donald Cecil



Doreen M. Frasca



Jeffrey A. Kay



Mark D. Lebow



James L. McGovern



Susan G. Metzger



Mark Page



Mitchell H. Pally



Norman I. Seabrook



James L. Sedore, Jr.



Nancy Shevell



Vincent Tessitore, Jr.



Ed Watt



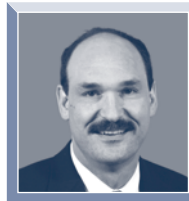
Carl V. Wortendyke



## MTA Management



Elliot G. Sander, Executive Director and Chief Executive Officer; Susan Kupferman, Chief Operating Officer; \* Myrna I. Ramon, Chief of Staff



(left to right) Christopher P. Boylan, Deputy Executive Director, Corporate and Community Affairs; Michael J. Fucilli, Auditor General; James B. Henly, Deputy Executive Director, General Counsel; Linda G. Kleinbaum, Deputy Executive Director, Administration



(left to right) William A. Morange, Deputy Executive Director, Director of Security; Hillary D. Ring, Director of Government Affairs; Ernest Tollerson, Director for Policy and Media Relations; William Wheeler, Director of Special Project Development and Planning

\* In January 2009, Susan Kupferman was named President of MTA Bridges and Tunnels

Not pictured: Gary Dellaverson, Chief Financial Officer

## Agency Presidents



(left to right) Howard H. Roberts, Jr., MTA New York City Transit; Helena E. Williams, MTA Long Island Rail Road; Joseph Smith, MTA Bus Company/MTA Long Island Bus; Howard R. Permut, MTA Metro-North Railroad

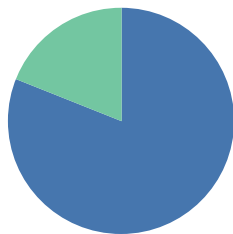


(left to right) Susan Kupferman, MTA Bridges and Tunnels; Michael Horodniceanu, MTA Capital Construction; Sebastian L. DeSimone, MTA Business Center

# 2008 Consolidated Financial Highlights

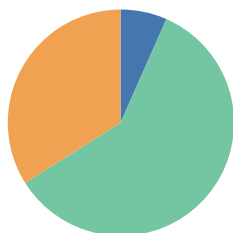
## Assets and Liabilities

(\$ millions)



### Assets

Capital assets, net	\$43,323	81.04%
Other assets	10,134	18.96
<b>Total</b>	<b>\$53,457</b>	<b>100.00%</b>

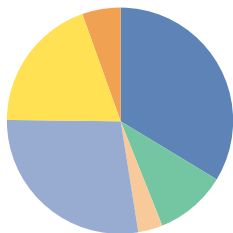


### Liabilities and Net Assets

Current liabilities	\$3,613	6.76%
Long-term liabilities	31,510	58.94
Net assets	18,334	34.30
<b>Total</b>	<b>\$53,457</b>	<b>100.00%</b>

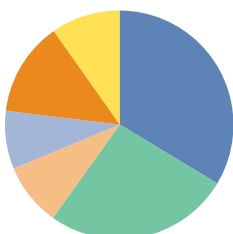
## Income and Expenses\*

(\$ millions)



### Income

Passenger fares	\$4,241	33.71%
Tolls	1,274	10.31
Other operating revenue	417	3.31
Tax-supported subsidies	3,550	28.22
Grants and appropriations	2,450	19.48
Other non-operating revenue	648	5.15
<b>Total</b>	<b>\$12,580</b>	<b>100.00%</b>



### Expenses

Salaries and wages	\$4,560	33.67%
Retirement and other employee benefits	3,532	26.08
Interest on long-term debt	1,209	8.93
Power, fuel, and materials and supplies	1,126	8.31
Depreciation	1,791	13.22
Other	1,325	9.78
<b>Total</b>	<b>\$13,543</b>	<b>100.00%</b>

\* The difference between income and expenses is the change in net assets.

# Capital Program Progress

## Capital Program Funding Received through December 31, 2008\*

(\$ millions)	1982-2008	2008
MTA federal grants	\$21,434	\$1,515
State service contracts	1,991	86
State appropriations	623	—
City appropriations	4,252	472
MTA bonds	19,201	1,644
MTA debt restructuring	4,523	—
MAC surplus	925	—
Lessor equity/asset sales/leasing	1,201	58
Investment income	2,181	24
Capital-operating transfer/pay-as-you-go	1,354	4
Other**	2,082	2
<b>Total</b>	<b>\$59,766</b>	<b>\$3,804</b>

\* Funding for MTA Bridges and Tunnels Capital Programs not included.

\*\* In 2008 this number incorrectly included budgeted (as opposed to received) funds carried over from previous programs.

Note: Because of rounding, totals may not add exactly.

## Capital Program Progress, 1982-2008

(\$ millions)	Commitments	Expenditures	Completions
MTA New York City Transit	\$42,586	\$37,380	\$34,687
MTA Long Island Rail Road	8,259	7,730	6,011
MTA Metro-North Railroad	6,095	5,674	4,094
MTA Bridges and Tunnels	3,182	2,546	2,034
MTA Capital Construction	7,233	4,129	751
MTA Bus Company	479	396	380
<b>MTA Total</b>	<b>\$68,313</b>	<b>\$58,297</b>	<b>\$48,316</b>

## Capital Program Progress, 2008

(\$ millions)	Commitments	Expenditures	Completions
MTA New York City Transit	\$2,405	\$2,174	\$2,743
MTA Long Island Rail Road	314	344	148
MTA Metro-North Railroad	137	372	81
MTA Bridges and Tunnels	347	276	79
MTA Capital Construction	614	1,203	291
MTA Bus Company	37	30	—
<b>MTA Total</b>	<b>\$3,866</b>	<b>\$4,409</b>	<b>\$3,342</b>

MTA totals include the following:

World Trade Center Recovery: Total commitments, \$239 million; total expenditures, \$238 million; total completions, \$204 million; 2008 expenditures, \$2 million; 2008 completions, \$1 million.

Planning & Customer Service Projects: Total commitments, \$116 million; total expenditures, \$103 million; total completions, \$60 million; 2008 commitments, \$2 million; 2008 expenditures, \$5 million; 2008 completions, \$1 million.

Interagency projects: Total commitments, \$30 million; total expenditures, \$9 million; total completions, \$4 million; 2008 commitments, \$17 million; 2008 expenditures, \$3 million; 2008 completion, \$1 million.

MTA Police: Total commitments, \$12 million.

Unassigned commuter rail project benefited both LIRR and MNR in the 1982-91 Capital Program: Total commitment, \$92 million; total expenditures, \$92 million; total completions, \$90 million.

Notes: Because of rounding, totals may not add exactly. Commitments may be more than receipts since bonds are sold as cash is needed.

# Performance

## Ridership

MTA ridership grew at all transit agencies in 2008 while bridge and tunnel crossings fell as drivers reacted to a deepening recession ahead of public transportation users.

Transit ridership was 2.71 billion in 2008, a 3.36 percent increase from 2.62 billion in 2007. Bridge and tunnel crossings were 295.7 million, down 2.85 percent from 304.4 million in 2007. Both the recession and a summer in which gasoline prices topped \$4 a gallon contributed to the drop in crossings.

Transit ridership grew during 2008, despite a nationwide recession and a fare increase that took effect in March.

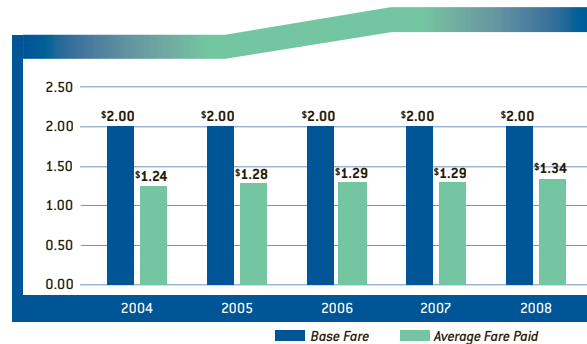
At MTA New York City Transit, ridership on both the subway and MTA Staten Island Railway increased. Subway ridership – now at a level not achieved since 1950 – reached 1.62 billion, up 3.93 percent from a year ago, and Staten Island Railway ridership grew 6.07 percent to 4.38 million.

Market share (defined as the number of rides taken with each type of fare card or cash) of the 30-Day Unlimited Ride MetroCard reached 31.8 percent, the highest since the introduction of unlimited ride cards in 1998. The 14-Day MetroCard had a 1.8 percent market share from its introduction in March through year-end, appealing to customers who had previously purchased weekly cards.

Following the change in Pay-Per-Ride bonuses, higher prices for existing Unlimited Ride MetroCard, and the introduction of a 14-Day Unlimited Ride MetroCard, the average fare paid for a non-student subway or bus ride on New York City Transit rose to \$1.34 for the period after March 2, when the changes were effective. In 2007 the average fare paid was \$1.29.



Average Fare Paid for a Ride on New York City Transit



Notes: 2005 figure represents fare paid for a ride during the portion of the year that higher 7-Day and 30-Day MetroCard fares were in effect (February 27 through December 31). 2008 figure represents fare paid for a ride during the portion of the year that the 15% Pay-Per-Ride bonus, higher 7-Day, 30-Day, and 1-Day MetroCard prices, and new 14-Day MetroCard were in effect (March 2 through December 31).



With ridership reaching 87.4 million, MTA Long Island Rail Road experienced its highest ridership since 1949, growing by 1.46 percent over 2007. Despite the recession, the railroad experienced growth in commutation ridership, up 3.2 percent, while non-commutation ridership fell 1.0 percent.

MTA Metro-North Railroad ridership in 2008 was 83.6 million, up 4.27 percent and the highest in its history, with

## Ridership

	2007	2008	% change
<b>Total Mass Transit Ridership</b>	<b>2,619,582,126</b>	<b>2,707,510,210</b>	<b>3.36%</b>
<b>Subways</b>			
New York City Transit – Subway	1,562,515,065	1,623,881,369	3.93%
Staten Island Railway	4,129,328	4,379,855	6.07%
<b>Commuter Rail Lines</b>			
Long Island Rail Road	86,098,475	87,358,476	1.46%
Metro-North Railroad	80,133,867	83,555,587	4.27%
<b>Buses</b>			
New York City Transit – Bus	738,039,531	746,977,406	1.21%
Long Island Bus	32,172,150	32,707,611	1.66%
MTA Bus	110,269,609	121,028,149	9.76%
<b>Paratransit</b>			
Access-A-Ride (New York City)	5,871,941	7,243,550	23.36%
Able-Ride (Nassau County)	352,160	378,207	7.40%
<b>Bridges and Tunnels Vehicle Crossings</b>	<b>304,364,216</b>	<b>295,679,638</b>	<b>-2.85%</b>
<b>Average Weekday Mass Transit Ridership</b>	<b>8,481,723</b>	<b>8,739,680</b>	<b>3.04%</b>

increases on all lines. Weekend and intermediate ridership scored the largest gains, 6.0 percent and 5.7 percent respectively. Weekend ridership grew, in part, because 2008 was the first full year of restored weekend service on the Pascack Valley Line.

The three Metro-North operated services – Haverstraw/Ossining Ferry, Newburgh/Beacon Ferry, and Hudson Rail Link – delivered 665,945 rides in 2008, an increase of 8.2 percent over 2007. The Haverstraw/Ossining Ferry had a 5.9 percent increase, the Newburgh/Beacon Ferry 28.5 percent, and the Hudson Rail Link 4.3 percent.

MTA's bus operations also grew in 2008, with MTA Bus showing the largest percentage gains. New York City Transit bus ridership rose to 747.0 million, a gain of 1.21 percent; MTA Long Island Bus fixed-route ridership reached 32.7 million, up 1.66 percent; and MTA Bus ridership was 121.0 million, an increase of 9.8 percent. The large gains at MTA Bus were made as the revamped operation continued to tap the pent-up demand for service along its routes, with customers responding to the agency's new equipment and more reliable service.

### Performance Indicators

Both commuter railroads continued their impressive on-time performance. At LIRR, on-time performance was 95.1 percent, up from 94.1 percent in 2007, an improvement of a full percentage point. At MNR, East-of-Hudson on-time performance was 97.5 percent, the fourth year in a row that the railroad has topped 97 percent in this critical performance measure. For its West-of-Hudson lines, on-time performance was a record 96.0 percent, up from 94.7 percent in 2007.

New York City Transit revised its on-time performance measures for subway service in 2008. To measure the customer's experience of service, Transit uses wait assessment, which compares the time between trains with the schedule. In 2008, Transit began measuring wait assessment from 6 a.m. to midnight, rather than just during the day, as had been done in prior years.

In addition, Transit is measuring absolute on-time performance (which tracks the number of trains arriving at destination terminals within five minutes of their scheduled times) and controllable on-time performance (which excludes trains that are late due to incidents beyond the control of NYCT, including sick passengers, police or fire activity, vandalism, opening of movable bridges, and loss of outside electrical power). Full-year results will be available for 2009.

Railroad mean distance between failures (MDBF), the distance cars travel before a breakdown causes a delay, continued to improve. MDBF on the LIRR rose to 132,203 miles, up 22.6 percent from 107,825 miles in 2007, reflecting the continued impact of the new M-7 cars, which are averaging over 365,000 miles between breakdowns. MDBF is up more than 150 percent since 2005.

MDBF at Metro-North was 104,865 miles in 2008, compared to 110,391 miles in 2007, down by 5 percent (but up more than 50 percent when compared with 2005).

The difference in these results between the two commuter rail operations is due to fleet composition. MNR trains – especially those on the New Haven Line – are on

average older than those of the LIRR. Working with the Connecticut Department of Transportation and Kawasaki, MNR has contracted for 300 new M-8 cars that will allow it to retire the oldest cars on the New Haven Line.

On the subway system, the mean distance between failures (MDBF) decreased during 2008 to 134,795 miles from 149,646 miles. The largest proportion of the fall-off occurred in older cars. As the R32, R38, R40, and R42 cars are retired and replaced by the R160 subway cars (which had a 2008 MDBF of more than 323,000 miles) the new equipment will have a positive impact on the fleet performance. At Staten Island Railway MDBF fell to 158,532 miles from 242,005 miles in 2007, a decrease of 34.5 percent. This is due, in part, to the fact that because the railway has just 64 cars, a small increase in the number of failures can cause a large change in MDBF.

After a record 2007 for NYC Transit buses last year, MDBF dropped to 3,933 miles, down 4.3 percent from 4,109 miles. This is due, in part, to the increasing age of the fleet; currently 1,449 buses are past their useful life. Also, some depots, particularly those in Staten Island, operate with fleets larger than their original design capacity. Finally, there are ongoing mechanical problems with the Orion CNG fleet that are being addressed with the manufacturer.

At MTA Bus, MDBF rose a substantial 37.5 percent to 4,631 miles in 2008 from 3,369 miles in 2007. MDBF is up 95.5 percent over the past two years, primarily because the new buses added to the MTA Bus fleet over the past three years allowed the retirement of older buses well past their useful lives.

MDBF for Long Island Bus rose to 1,971 miles, up 2.6

percent from 1,789 miles a year ago. The agency achieved this gain through the continued adoption of best practices from the other MTA bus agencies as well as the expansion in 2008 of NYCT bus maintenance training to LI Bus.

For its bus operations, NYC Transit began measuring wait assessment for travel between 7 a.m. and midnight in 2008. Wait assessment was 82.9 percent for the year and 82.2 percent when recomputed for 2007 based on the 7 a.m.-to-midnight time period. AM and PM peak bus pullouts and trips completed remained above 99 percent at all three bus operations.

### Paratransit Operations

Paratransit boardings grew significantly for Access-A-Ride in New York City, with rides totaling 7.24 million in 2008, up 23.36 percent from 5.87 million in 2007.

Boardings for Able-Ride in Nassau County also increased, expanding to 378,207, a 7.40 percent increase from 2007.

### Crossings

Traffic was down at all bridge and tunnel facilities in 2008 as the nationwide recession spread and gasoline prices skyrocketed in the summer. Even as gas prices returned to more traditional levels, growing unemployment continued to affect regional traffic.

An analysis of figures from 2007 showed the decline beginning during the last two months of 2007. Because it began with cash customers, who make up just 20 percent of drivers, the drop was masked until it became more widespread in 2008.



## Customer Satisfaction

MTA agencies continued to receive positive responses from customers regarding their services. For New York City Transit, subway and bus customer satisfaction bounced back in 2008 after falling the year before due to announced fare increases. The increase adopted in 2008 was significantly lower than originally planned.

Systemwide, personal security ratings increased for subway cars and stations, rail cars, and buses in New York City and Nassau County. Ratings for MTA Bridges and Tunnels were up in 2008, including satisfaction at the Verrazano-Narrows Bridge, which was adversely affected in 2007 ratings by a major roadway construction project.

### New York City Transit – Subway

Overall	6.3	6.0	<b>6.4</b>
Cost	6.3	6.1	6.1
Value	6.8	6.3	6.5
On time	6.7	6.3	6.5
Station environment	5.7	5.8	5.7
Safe/secure in cars	6.3	6.2	<b>6.6</b>
Police in station	5.6	5.6	5.6
	2006	2007	2008

### Long Island Rail Road

Overall	6.9	7.3	7.3
Cost	6.2	6.7	6.4
On time	7.1	7.4	7.6
Personal security	7.0	7.3	<b>7.9</b>
Comfort	7.0	7.4	7.5
	2006	2007	2008

### Metro-North Railroad

Overall	7.2	7.5	<b>7.8</b>
Cost	6.7	7.0	7.1
On time	7.7	8.1	<b>8.1</b>
Personal security	7.6	7.8	8.2
Comfort	6.7	7.3	7.4
	2006	2007	2008

### New York City Transit – Local Bus

Overall	5.9	5.9	<b>6.2</b>
Cost	6.5	6.3	6.3
Value	6.6	6.3	6.4
On time	5.7	5.3	5.7
Safe/secure on bus	7.4	6.8	<b>7.2</b>
	2006	2007	2008

### Long Island Bus

Overall	7.2	7.2	7.3
Cost	7.2	7.2	7.2
Value	7.7	7.6	7.6
On time	7.2	7.2	7.1
Safe/secure on bus	8.1	7.9	7.8
	2006	2007	2008

### MTA Bus\*

Local Service – Queens			
Overall	n/a	6.2	6.3
Cost	n/a	n/a	6.0
Value	n/a	n/a	6.4
On time	n/a	6.4	6.6
Safe/secure on bus	n/a	7.8	7.8
Express Service – Queens			
Overall	n/a	7.4	7.2
Cost	n/a	n/a	6.0
Value	n/a	n/a	6.8
On time	n/a	6.8	7.1
Safe/secure on bus	n/a	8.5	8.9
Express Service – Bronx			
Overall	n/a	7.1	7.1
Cost	n/a	n/a	6.1
Value	n/a	n/a	6.9
On time	n/a	6.6	6.7
Safe/secure on bus	n/a	9.0	8.8
Express Service – Brooklyn			
Overall	n/a	n/a	6.6
Cost	n/a	n/a	5.1
Value	n/a	n/a	6.1
On time	n/a	n/a	7.0
Safe/secure on bus	n/a	n/a	8.9
	2006	2007	2008

### Bridges and Tunnels

Overall	7.1	6.7	7.2
Cost/value	5.5	5.6	<b>5.7</b>
Efficiency of Crossing	6.9	6.5	7.1
Safety & Security	7.8	7.2	<b>8.0</b>
Road Conditions	7.1	6.8	7.1
E-ZPass Performance	8.3	8.2	<b>8.4</b>
	2006	2007	2008

Note: All surveys are on a scale of 0 to 10. Figures that represent "statistically significant" changes for 2008 are in bold type.

\* In 2008, the survey for the first time included express bus service in Brooklyn that is provided by MTA Bus and expanded the categories for all MTA Bus operations to include cost and value.



*Strategic Priority: Creating an organizational culture that values, engages, and supports employees as they work to provide high quality service and that fosters professional career growth.*

The MTA is embracing the recommendations of its 2007 Blue Ribbon Panel on Workforce Development to foster a work environment that reflects and rewards the core values of mutual respect, teamwork, and quality customer service. The MTA will augment existing programs and create new ways to engage, recognize, and develop its workforce with programs that equip employees at all levels to meet current and future challenges in realizing the MTA's mission and vision. Training and development planning processes that make labor-management relations more respectful and collaborative will be pursued.

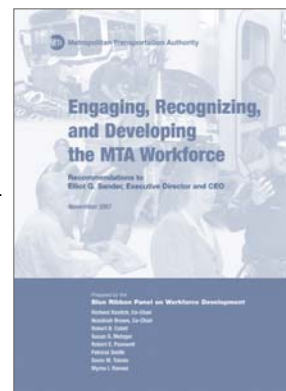
### **Training and Professional Growth**

Over a million classroom hours of technical instruction were provided to MTA New York City Transit employees in 2008, offering new employee orientations, train-the-trainer programs, conflict dispute resolution training, front-line employee engagement in problem solving, employee newsletters, respectful workplace development, and additional opportunities for dialogue with NYCT's executive team.

The first New Employee Orientation Program was implemented in 2008 to communicate organizational values and vision; 820 employees completed the orientation last year. A new program for all subway technical skills trainers emphasizes how trainers can communicate MTA's values and the priority

of creating a respectful workplace for employees. Managers, supervisors, hourly, and professional employees at the Coney Island Overhaul and East New York shops participated in "Respectful Workplace" workshops; employee recommendations, including facility improvements and other actions to improve the work environment, were implemented as a result.

A Labor-Management Safety Stand Down Program was developed to ensure that employees know the rules, regulations, and procedural changes set forth by the 2008 Track Safety Task Force. Approximately 9,000 employees received track safety and flagging training over a six-week period. The Track Safety Refresher class, Track Flagging Refresher class, and Security Awareness Training were established in 2008, and a system for regu-





larly cycling employees through these programs throughout their careers was established. Training for cleaners and road car inspectors was expanded to increase the safety training received by all employees entering these titles.

A new Signal Maintenance Skill Refresher was implemented to develop the knowledge and practical skills required to properly and accurately maintain, adjust, and troubleshoot electrical and mechanical problems on specific signals equipment; 775 signal employees were trained.

In 2008, using elements of MTA Metro-North Railroad's curriculum, MTA Long Island Rail Road revised its Assistant Conductor and Locomotive Engineer Training programs. The training periods were reduced by intensifying the in-house training curriculum, enabling the LIRR to fill vacancies more quickly and with better qualified applicants, potentially reducing the training program's attrition rate.

MNR provided customer service training to its entire staff of ticket sellers, both in Grand Central Terminal and at all outlying ticket offices. Intra-agency contacts were also initiated and developed to foster the sharing of ideas and technology. Additional programs designed and delivered during 2008 included front-line customer service training modules for Operations Services Department personnel, Human Resources staff, Grand Central Terminal Department service attendants, and internal Customer Service Department employees. New entry-interview and performance evaluation programs were instituted to enable trainers to tailor and deliver appropriate instruction to employees with differing degrees of knowledge and experience, thereby creating more consistency in maintaining high performance standards.

As part of the consolidation of the MTA's bus operations, MTA Long Island Bus, MTA Bus, and NYCT buses are consolidating training programs and building coordination across former company boundaries, providing significant program and curriculum enhancements and increased training opportunities.

### **Management Development, Succession Planning**

Transit's Capital Program Management professional forums met monthly in 2008 to share best practices and knowledge across program areas and disciplines. Project Leadership, a development program for first-level management in Transit's Department of Subways, debuted in

2008. Monthly sessions and ongoing projects develop technical, professional, and interpersonal competencies.

At MTA Headquarters a new mandated management development program called LEAD (Leadership Education and Development) was implemented for both first-line managers of people and projects. In 2008, over 70 managers participated in this program receiving the knowledge and skills necessary to effectively manage people and projects.

The LIRR introduced on-site graduate and undergraduate degree programs and joint labor-management training programs, increased employee participation in the tuition assistance program, and implemented the MTA Headquarters' Talent Acquisition (e-recruit) System.

To support succession planning and the development of potential future leaders, 48 executives from across the MTA participated in the Executive Leadership Institute (ELI); one executive was selected to attend the APTA Leadership Program, and an MTA HQ employee participated in highly selective Women's Transportation Seminar International Leadership Program Center leadership training. To attract promising talent MNR developed the Associates Program to hire engineers and other candidates directly out of college for hard-to-fill management positions.

MNR's management development program assists employees by offering courses that provide the training



they require for their jobs and the development of skills necessary for self-enhancement or to increase job opportunities. Last year, 240 management employees participated in these courses. Thirteen employees participated in MNR's Foreman-in-Training program, which selects the best candidates for foreman from the craft ranks. The railroad's Deputy Chief of Operations Services was selected by the American Public Transportation Association to participate in its rigorous national leadership program.

A Deputy General Manager Program was established at the MTA bus agencies to provide mentoring and succession planning for potential Division General Managers; one participant was promoted to General Manager.

MTA Bridges and Tunnels launched the four-month Leadership Forum in the spring, providing 11 middle managers applying for senior-level positions biweekly training seminars that develop skills in leadership, organizational vision, and communication/relationship-building. A second part to this successful program was added to enable participants themselves to work on projects as a team. A new Leadership Forum class will be conducted in 2009.

Bridges and Tunnels' new formal mentoring program offered all interested managerial employees the opportunity to be mentored by more senior-level managers. This cross-departmental effort matched the person requesting to be mentored with a manager from a different department. Almost all Bridges and Tunnels' departments were represented. Eleven mentoring pairs worked together weekly and the entire group will meet for at least two sessions during the nine-month program.

### **Engagement, Communication, Labor/Management Collaboration**

Using MTA's DELI (Dialogue, Engage, Lead, Innovate) luncheon model, a Transit DELI series was instituted in 2008. These luncheons encourage dialogue between employees from all levels of the organization and senior staff. Two luncheons were held with guest speakers NYCT President Howard Roberts, Jr. and Vice President of Workforce Development, Thomas Webb. President Roberts also met with Department of Subways managers for seven Q&A sessions in 2008, sharing his vision for NYCT and answering questions raised by the group.

In addition to the ongoing publication of NYC Transit's *At Your Service* and Capital Project Management's electronic employee-focused newsletter, two new newsletters,



NYC Transit's Coney Island shop.

*Developing Forces* and the *Administration Gazette*, were created to expand employee communication.

Strong union-management relations are being fostered at Transit. Workforce Development and TWU Local 100 initiated a labor-management process improvement team at the Coney Island Overhaul Shop in 2008, involving union leaders, management, and hourly employees. This team will serve as a model for program expansion and culture transition in 2009 and beyond. Another labor-management committee facilitated by Workforce Development began redesigning pharmacy benefits for represented workers by shifting the cost away from employees and back to pharmacy benefit management companies through transparent pricing models. For the first time, management and TWU Local 100 jointly participated in the RFP process.

Substantial improvements to subway employee facilities were completed in 2008 at Times Square, 14th Street & 8th Avenue, 207th Maintenance Shop, 240th Maintenance Shop, and Euclid Avenue.

NYCT recognition programs for outstanding individual and team achievements included recognition efforts for 8,613 employees reaching various milestone years of service, 358 employees who assisted in the development of the Select Bus Service project, 120 employees who developed an apprenticeship program at the Coney Island Maintenance Shop, 48 Volunteer Chaplains, 43 employees on the 7 subway line who achieved perfect attendance, and 27 employees who performed heroic acts in the face of danger.

NYCT's Employee Suggestion Program, which provides all employees with an opportunity to present suggestions that improve operations, employee morale, customer service, and/or security was redesigned and 30 suggestions were approved, yielding cost savings of \$753,000 and the recognition of 39 employees who contributed ideas.

The NYCT Bus Employee Facility Rehabilitation Program provided quality-of-life improvements at work locations, completing 65 projects in 2008.

LIRR held its first annual Employee Recognition Day in which LIRR and its unions joined in acknowledging more than 5,800 employees for reaching a major annual service milestone. The railroad also held a series of meetings between its senior staff and employees, and broadened the use of intranet and newsletters.

Annual Excellence in Construction Performance (ECP) Awards were established to recognize the success of agency employees and contractors in delivering superior construction projects on time and within budget.

The union that represents Metro-North's engineers and conductors accepted Metro-North's invitation to participate in two days of grievance mediation training sponsored by the National Mediation Board, an invitation MNR extended to all union leaders representing its employees. This voluntary, non-binding process instructs the participants in the concept and use of interest-based resolution techniques. At completion of the training, the National Mediation Board mediator facilitated the review and discussion of Metro-North's attendance policy; as a result, the railroad modified four elements of the policy on a test basis.

Bridges and Tunnels worked collaboratively with all unions representing uniformed personnel by seeking early review and consensus for all procedures affecting department personnel before their issuance. The unions worked with management to co-sponsor a newly invigorated Employee Suggestion Program.

The agency worked with its maintenance employees' union to permit those employees to perform work such as roadway sweeping, installation of variable message signs, and rehabilitation and relocation of E-ZPass electrical distribution systems when cost-effective compared to hiring outside contractors. Bridges and Tunnels also worked with its union representing Bridge and Tunnel Officers to pro-

cure and distribute bullet-resistant vests to all of its Peace Officers.

Every bridge and tunnel has a "kitchen" area in the employee lunch room and the Work Life Program's Healthy Eating, Healthy Minds seminar brought useful information about incorporating healthy eating into the lifestyles of employees. Health and wellness tips are also provided in *Crossings*, the employee newsletter, on the agency's Infonet, and on employee pay stubs.

An interdepartmental team did an extreme makeover of the Island Café, the only source of food available for 300 employees on Randall's Island. Maintenance workers along with engineering, health and safety, and administrative staff completed renovations and upgrades at minimal cost in time for a new Café operator that offers much better variety and healthier choices than the previous operator.

To make it easier for employees to receive important benefits information, the Human Resources Road Show takes HR experts into the field where they visited all nine facilities to answer questions and give out materials about medical, retirement, 401k, and other benefits; Previously field employees and HR staff usually had only phone contact.

Bridges and Tunnels worked with its unions representing its maintenance employees to sponsor study programs that resulted in larger numbers of employees passing Civil Service examinations.



The ECP Awards recognized teams that made a noteworthy impact on MTA projects. Above are Best in Class winners for in-house projects of less than \$25 million: Raymond Kenny, Walter Whaley, John Kettell, Patrick Clermont, Frank Olsen-Tank; Andrew Draghi, and Brian Finn, cited for the Freeport Station, LIRR, waiting room renovation.



*Strategic Priority: Eliminating similar and overlapping duties; making procedures more consistent; integrating the operations of our two regional railroads and three bus agencies; integrating the back office functions of our seven operating agencies to create value and reduce redundancy.*

### Consolidated Regional Bus Operations

In May, management was consolidated for MTA New York City Transit bus operations, MTA Bus Company, and MTA Long Island Bus, as well as for Transit and Long Island Bus paratransit operations. Unified management and standardization are bringing increased efficiency, cost savings, and better customer service.

A single executive oversees all three operations; under him, a single head in each functional area oversees all three companies. There is now one head of regional bus operations, one chief transportation officer, one chief maintenance officer, and so on. Depots have been organized into eight divisions by geography, not by company.

With a single policy-making organization, coordination of management and operations has increased. A regional bus merger team is reviewing all facilities to identify best practices for operational or organizational efficiency, technology, and facilities (including sustainability) that all three operations can implement. The team's work will continue in 2009.

Standardization of bus maintenance practices, serv-

ice manuals, and replacement parts will enable personnel across all three agencies to maintain buses more efficiently, so that buses can be returned to service more quickly. Information systems (maintenance management, payroll, connectivity) are also being standardized, including MTA Bus and MTA Long Island Bus depots that did not previously have any automated systems in place.

Road operations units for NYCT, MTA Bus, and Long Island Bus have been consolidated under a single management team that divides responsibility by geographic area instead of by company, creating a more responsive organization that can pool resources in an emergency and oversee service quality on a borough-wide basis. This will also enable the MTA to implement uniform accident investigation and reporting procedures.

A unified command center for NYCT and MTA Bus, along with increased coordination with the LI Bus command center, enables better management of responses to critical events and emergencies such as subway outages, flooding, and planned or unplanned bus shuttles. Centralized leadership will enable better coordination of equipment and personnel.

The Chief Transportation Officer is now responsible for managing all labor relations functions and contract negotiations as well as maximizing the ability to institute uniform work rules, discipline, and arbitration practices. Approximately \$1.96 million was saved through fundamental changes in the way the department conducts business, including union negotiations, overtime reductions, and consolidated NYCT operator picks.

A centralized process and office for all customer complaints, and other inquiries has been established to ensure consistent and prompt collection, recording, investigation, and response to customer inquiries. The existing Bus Customer Relations computer and telephone network (already in place at NYC Transit Department of Buses) is being used to handle the increased volume of information for the three agencies. The MTA Bus Travel Information Center has also merged with NYCT's call center.

Effective and consistent training (including new operator, maintenance, and refresher training) is being expanded. Centralization of the Bus Operator Training programs for NYCT, MTA Bus, and LI Bus at the NYCT Zerega Avenue Training Center in the Bronx has been completed. All bus operators now receive the same level and quality of training. Requalification classes have also been combined. Maintenance and transportation training is being consolidated. Previously, Long Island Bus did not have a formalized maintenance training program, so the consolidation has made valuable maintenance training newly available to its employees.

Parts, fuel, and fluids from scrapped buses are being salvaged for use in place of purchasing new or rebuilt parts. A comprehensive standardized program for recycling parts from retired buses has been implemented across all three companies. By the end of 2008, approximately \$2 million worth of material had been recovered and made available for use. Consolidated bus procurement and inspection enables sharing of common resources for bus specifications, contracting, and inspection. Consolidating other contracts across the companies maximizes scale economies and cost-effectiveness.

Warranty management, defect tracking, and claims submittal to manufacturers is being centralized to enable earlier detection of fleet defects and increased financial recovery from manufacturers. Faster detection and handling of defect patterns across all three companies will improve reliability.

Combining the fleet and facility resources of NYC Transit and MTA Bus facilitates deployment of buses where they are needed, maximizing peak bus availability to serve growing demand. Sharing bus parking space (NYCT's Quill Depot, and soon the 100th St. Depot) for MTA Bus layovers reduces trips with no customers. Consolidating MTA Bus and LI Bus revenue collection and processing with NYC Transit streamlines the system and

eliminates duplication of services.

### **Business Service Center**

Each of the MTA's six operating agencies performs its own back-office functions, frequently encompassing similar and overlapping duties. The Business Service Center (BSC) will bring greater integration of these functions to benefit all the agencies and the MTA as a whole.

The MTA performed two studies – with Booz Allen in 2003 and with Accenture in 2005 – that reviewed similar processes at all agencies and concluded that the BSC would have a major savings impact – \$30 to \$40 million a year when it is up and running at a steady state. The consultants recommended that the MTA move forward with a Business Service Center. Integrating back-office functions involves four broad steps:

- Implementing one PeopleSoft system for financial and Human Resources/Payroll for all agencies.
- Consolidating all Financial/HR/Payroll transactional-type processes into one new company.
- Performing process reviews in order to improve processes where possible.
- Creating one command chart of accounts for financial transactions making it easier to store and retrieve historical data.

The MTA Business Service Center was born in February 2008 with the appointment of Sebastian DeSimone as President. Currently the BSC has 32 IT PeopleSoft experts who continue to support MNR's PeopleSoft systems. They also work closely with MTA



Headquarters' IT staff while assisting them with supporting their PeopleSoft systems. This IT staff will implement the new PeopleSoft system that will be used by all agencies. The BSC is developing additional staff of approximately 100 positions by July 2009.

The BSC is now positioned to undertake a process that will lead to full implementation and operation in January 2012. It is scheduled to move to 3 World Financial Center in February 2009, a location that can accommodate 230 people: 100 staff members, 100 consultants who will assist with the system implementation and company development, and 20 to 30 other agency staff who will be working with the BSC during system implementation as subject matter experts.

### Subway Line General Managers

With more than 28,000 employees, MTA New York City Transit's Department of Subways is larger than most corporations. Many individual NYC Transit subway lines carry more passengers than other major metropolitan subway systems do in their entirety. Maintaining flexibility, accountability, and an environment conducive to innovation in so large an organization is a challenge, especially because the department had been organized according to function into six "stovepipes" so that employees considered their own group's goals first, and no single person, except for the senior vice president heading the 28,000-person organization, was responsible for bringing the groups together to deliver service.

Putting lines under individual general managers who run them almost as independent companies proved to be a solution that brought greater efficiency, responsibility, and customer satisfaction. In 2008, after a 10-month pilot on the 7 and L lines, NYC Transit expanded its Line General Manager program to all of the A Division (the 1, 2, 3, 4, 5, 6, and 7 lines) to move the power of the organization away from functional divisions to simpler, more integrated groups closer to the customer, more responsive to employees, and accountable for the service they provide. The 7 and L line pilots showed that on a variety of measures, the pilot lines outperformed the other lines even though operating personnel remained in their divisions and reported to the lines in a matrix fashion. In the full implementation of the program, approximately 19,000 employees will move from the central divisions into the lines themselves.

A special training program implemented in the fall of 2008 provides the new General Managers with a comprehensive overview of the many technical facets and disciplines within the Department of Subways and develops the professional and leadership competencies necessary for the job.

The Line General Managers will be evaluated under criteria including safety, customer service, employee morale, as well as performance on service indicators such as on-time performance and mean distance between failures. Customers will rate the lines directly through the Rider Report Card.



Most subway operations personnel will be assigned to the Line General Managers, but each group will have a central maintenance-of-way office that serves all of the lines in the group. Similarly, various administrative functions, such as timekeeping and labor relations, are most efficiently deployed centrally; an Office of Operations Support, reporting to the Chief of Staff, will conduct these activities for all of the groups.

By streamlining reporting relationships and eliminating silos, the Line General Manager program is expected to result in a savings of 70 positions, primarily in the managerial and supervisory ranks, and \$7.3 million.

### Commuter Rail Initiatives

MTA Long Island Rail Road and MTA Metro-North Railroad formed a task force in 2008 to identify opportunities to expand joint procurements beyond the hundreds of joint or multi-agency contracts the agencies use – either within the MTA family or with other state agencies or railroads outside the MTA – that could result in increased economies of scale when the railroads’ purchasing requirements are combined.

By the end of the year, LIRR and Metro-North sought joint procurements for multi-year sole-source purchase agreements with the original equipment manufacturers (OEMs) of the various systems contained in the railroads’ electric and diesel fleets, a not-to-exceed amount of \$256.7 million (\$174.8 million – LIRR; \$81.9 million – MNR). Suppliers in the OEM group include Wabco, Merak, Bach Simpson, Vapor, Sepsa, Bombardier, and Knorr.

Additionally, a \$398,000 joint MNR/LIRR contract with ARINC for software and hardware maintenance of the SCADA system used to control traction power equipment (MNR \$254,000 two years; LIRR \$144,000 one year) was submitted in 2008 and approved by the Board in January 2009.

In April, Metro-North joined the LIRR’s existing contract with Nortel Networks to provide a new Interactive Voice Response system and automatic call distributor for the LIRR’s 24-hour Travel Information Center. The systems will be the same: LIRR’s and Metro-North’s Travel Information Centers will offer common greetings to customers, and, for the first time, the two railroads will be using the same voice talent, prompts, and other interface items. Discounts negotiated by the LIRR will now be available to MNR.

To develop a unified maintenance plan and equalize standards for bridges and viaducts, the Chief Engineers of both railroads are working together on specifications for a training program for bridge inspectors. There is also an Inter-Agency Chief Engineers Working Group that meets regularly to discuss construction practices, procurement policies, and other items of mutual concern.

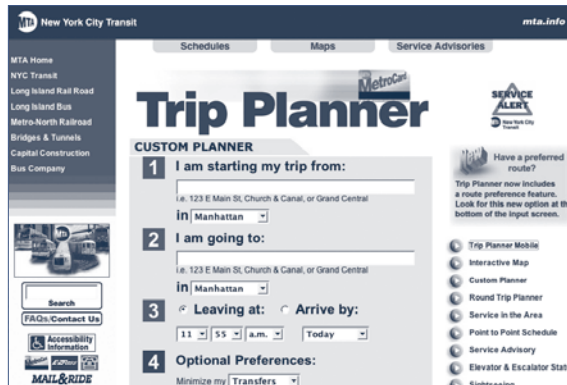




**Strategic Priority: Aggressively identifying and implementing customer service improvements.**

## Enhancing the Transit Experience

Trip Planner, the desktop and mobile on-line travel itinerary service, has become customers' preferred option to obtain MTA New York City Transit travel information. There were 3.5 million visits to Trip Planner in 2008, almost double the calls to the Travel Information Center. A map graphical interface using Microsoft Virtual Earth was introduced last year along with a "walking-time" feature that provides customers with their total travel time and a "preferred route" option that enables knowledgeable customers to specify which route they wish to take.



Another planning tool, Google Transit, a feature of the Google Maps online mapping service, provides point-to-point public transit trip planning that includes transit services provided by all MTA agencies throughout the MTA service territory as well as other regional connecting services participating in the initiative, such as New Jersey Transit, the Port Authority's AirTrain, and Staten Island Ferry.

Since August customers who call our travel line can choose the voice recognition application to plan their travel itineraries. In December, over 12,000 customers used Voice Trip Planner successfully.

Using the Rider Report Card customers grade 21 specific areas of service on their subway and bus lines with an A (Excellent) through an F (Unsatisfactory). Introduced in 2007, the Report Card was extended to express and local bus riders in 2008, and by June 30, surveys of bus customers in all five boroughs were completed. The Rider Report Card was also implemented for customer input on the MTA website last year.

MTA Long Island Rail Road and MTA Metro-North Railroad are enabling commuters to check their emails and surf the internet when waiting for trains. In the Penn Station ticketed waiting room, up to 250 users at once can turn on their laptops and get wireless access to the Internet. The Station Master's Office in Grand Central Terminal was also made a WiFi "hot spot" for free wireless internet access.



Nearly 15,000 items are turned into the LIRR's Lost & Found office every year. In 2008, the LIRR introduced new Web-based Lost & Found procedures, based on a system designed and in use by MNR, to recover and return as many items as possible. Customers enter their inquiry for a lost item directly into the L&F system via the internet. An email is sent automatically to the customer if there is a potential match. Both commuter railroads' Lost & Found operations are accessible on the web.

MNR established a car rental program with Enterprise Rent-A-Car, enabling customers to complete their trip by renting a car at 23 participating stations in all six counties in the railroad's territory in NY State. Since the partnership began in April, usage has grown to more than 100 rentals a month.

Metro-North renewed contracts with taxi providers for its Guaranteed Ride Home Program, ensuring that UniTicket customers who use connecting services to and from their stations have a cab ride home when connecting bus or ferry service is not available.

A terminal subway car-cleaning pilot program achieved a higher level of cleanliness and litter-free and graffiti-free cars on the 7 and L lines. Installation of a mylar/glass combination designed to maintain scratch-free windows on the L and 1 lines successfully maintained car appearance and scratch-free windows. Last year 1,013 new glass and mylar car sets were installed on R44 through R68A fleets, and the program is continuing in 2009.

NYC Transit's Bus Quality Control program, which began in 2007 with 844 buses, maintains vehicles in a "like-new condition" through strict interior and exterior appearance standards and zero tolerance for graffiti, scratch, and body damage. The program began in 2007 with 844 buses. Last year, 174 more buses were added to the program, for a total of 1,018 buses. As a result of the program, ratings improved in the Bus Passenger Environment Survey categories of litter conditions, exterior dirt, cleanliness of interiors, no damaged panels, and no exterior graffiti on buses.

NYC Transit Access-A-Ride and LI Bus Able-Ride introduced a standard eligibility determination process and administration system, as well as an electronic workflow system to reduce paratransit eligibility determination time, reducing the overall eligibility determination processing time to an average of 14 days.

## More Service

The MTA responds to ridership growth and changing customer travel patterns with schedule and routing changes.

To serve growing ridership, NYC Transit implemented subway schedule and service changes in 2008, including additional service on the 1, 3, 4, 6, 7, W, S (42nd Street) routes; expanded hours of operation on the B, M, W routes; and revised 3 service that includes 24/7 operation to the 145th Street and Harlem-148th Street stations. Staten Island Railway introduced a popular early departure "Get-a-Way" schedule for select holidays when express service begins two hours earlier on the business day before the holiday.

Select Bus Service (SBS), launched on the Bx12 route on the Fordham Road/Pelham Parkway corridor, is New York City Transit's innovative bus rapid transit service. Designed to reduce travel time and increase the level of comfort for customers, SBS incorporates high-visibility stations, lanes exclusively for buses, high capacity vehicles, a faster fare collection system for faster boarding, and traffic signal priority for buses at traffic lights. Early results include up to 20 percent travel time savings over the former Bx12 Limited. By October 2008 ridership was up over 10 percent since Bx12 SBS service began in June.



Many bus routes and schedules were adjusted to tailor service to customer travel patterns. MTA Bus increased the frequency of the Q53 at all times and of the B103 on weekdays to accommodate ridership growth. A number of lines were extended: the Q8 from East New York-Euclid Avenue Station to Gateway Plaza Mall in Spring Creek, the Q45 from Juniper Valley-Eliot Avenue to the Shops at Atlas Mall in Glendale, the Q21 from Ozone Park-Liberty Avenue to the Queens Center Mall in Elmhurst, as part of the continued improvement and rationalization of service in the Cross Bay Boulevard/Woodhaven Boulevard corridor. For NYCT the following lines were extended: the B61 and B77 to IKEA in Red Hook and X16 to Castleton Avenue improve line supervision and reliability. Weekday limited-stop service was introduced on the B38 and Q36.

NYCT Paratransit service increased the number of carriers under contract to provide service to address the constantly increasing (24 percent last year alone) customer demand.

LIRR added additional westbound stops at the St. Albans Station during the morning peak and new eastbound stops during the evening peak. The 5:25 p.m. train from Penn Station now stops at Forest Hills and at Kew Gardens. On the Hempstead Branch, a new reverse-peak train departs Penn Station on weekday mornings at 6:47 a.m., stopping at Jamaica, Queens Village, Bellerose, Floral Park, Stewart Manor, Nassau Blvd., Garden City, and Hempstead, and providing students at Adelphi University with a car-free way to get to their 8 a.m. classes. On the Far Rockaway Branch, in response to customer requests, the LIRR added a new Friday-only train operating between



mid-November and early March to provide additional before-sundown service.

LIRR offers special package tickets to encourage travel by public transportation to popular customer destinations. These include round-trip rail fare to/from Deer Park Station, free shuttle van service to/from the LIRR Deer Park Station and a voucher for a free coupon book with discount savings at Tanger Outlets at The Arches. Service commenced on October 23, 2008. Another package, initiated in December 2008, includes a train ticket and voucher for one-way shuttle van service between the LIRR's Ronkonkoma station and Long Island MacArthur Airport.

The Long Island Rail Road helps subsidize MTA Long Island Bus for two shuttle bus services between LIRR railroad stations and neighboring work site locations to increase mass transit ridership on Long Island and help alleviate roadway congestion by providing direct access/connectivity between LIRR train stations and major employment centers. The Woodbury Shuttle operates between the Hicksville Station and the Crossways and Gateways Corporate Parks in Woodbury; the Farmingdale Shuttle operates between the Farmingdale Station and worksites along the Route 110 corridor. These two shuttles typically carry about 100,000 customers on an annual basis.

Metro-North Railroad met customer needs with schedule enhancements targeting growth markets, adding additional morning peak and weeknight off-peak trains on the Hudson Line, additional Lower and Upper Hudson Line weekend service, new morning and evening



peak mid-Harlem Line service, a new off-peak late-night train on the Upper Harlem Line weekdays and Saturday, additional New Haven Line evening reverse-peak service from Stamford, additional morning peak service and weekend service on the Waterbury Branch, additional weekday off-peak service on the Danbury Branch, and special Holiday timetables for Thanksgiving, Christmas, and New Year's to accommodate holiday ridership.

In April, Metro-North added 67 trains each week to its schedule, increasing service frequency, adding capacity, and in some cases shortening travel times. This increased the number of trains Metro-North operates to 4,439 trains a week, a 35 percent increase since 1983, when the railroad was created. West-of-Hudson, a new evening weekend inbound (to Penn Station-NY/Hoboken) train was added to the Pascack Valley Line, making limited stops in New Jersey. A dozen trains now operate in each direction on the line every day of the weekend. Customers requested additional seating capacity for growing ridership, so Metro-North added three cars to six Port Jervis Line trains, three in the morning peak and three in the evening peak. These longer trains have reduced the loading factor – how much of a train is occupied at initial boarding – on all peak trains to below 80 percent.

Increasing access to commuter trains and alleviating constrained parking are targets of various MNR initiatives. MNR teamed up with the NY State Department of Transportation and Ulster and Dutchess counties to create the Ulster-Poughkeepsie LINK, a shuttle service that will operate seven days a week, meeting 25 trains each week-

day and 10 trains each weekend day at Poughkeepsie Station. The railroad executed a new three-year contract with Kelly Transit for summer weekend bus service connecting Wassaic Station on the Harlem Line with Great Barrington, Massachusetts with stops in Millerton, Copake, and Hillsdale in Dutchess County. For the year 2008, weekend rail/bus service to the Berkshires ran from June 20, 2008 through September 1, 2008. The railroad also executed a five-year plan to purchase two new buses per year for the Hudson Rail Link. The first two buses were delivered in December 2008, and will accommodate new ridership demand and add to the existing bus fleet, maintaining a high quality reliable bus service.

The Haverstraw-Ossining and Newburgh-Beacon Ferry Services provide Rockland and Orange county residents with access to Metro-North's Hudson Line train service; Metro-North and the New York State Department of Transportation developed a funding plan to continue their operation for the next two years. As part of this funding plan, State Senators Thomas P. Morahan and William J. Larkin, Jr. secured \$658,000 and \$600,000 respectively, to ensure the continuation of the ferries. Additional state and federal funds were also secured that, in addition to an estimated \$300,000 in fare revenues, will cover the \$7.1 million cost of operating the ferries through December 31, 2010. (Ferry ridership totaled 134,543 for the Haverstraw-Ossining Ferry and 116,404 for the Newburgh-Beacon Ferry in 2008.) The railroad also exercised a two-year option on the NY Waterway contract to continue ferry services and developed plans and acquired funding, with



the assistance of State Assemblywoman Sandra Galef, to replace the Ossining floating dock.

An evening rush hour (4 to 7 p.m.) Brooklyn-bound third lane through the Brooklyn-Battery Tunnel, initially added on a temporary basis to reduce delays due to the Verrazano Narrows Bridge reconstruction, remained in place after the project was completed, improving the commute for 13,600 customers on 413 NYC Transit and MTA express buses. Similarly, a high-occupancy vehicle (HOV) lane converted from a westbound buses-only lane on the Staten Island Expressway west of the toll plaza during the construction was left in place by New York State Department of Transportation after the work was completed.



Electronic signage on the 7 line allows customers to distinguish local and express trains.

### Better Communications

Electronic signage was installed on half of the 7 line subway cars to distinguish between express and local trains; the balance was completed in January 2009. In a separate effort, installation of conduits and cable for public address/customer information signs (PA/CIS) was begun at five stations on the Astoria Line in the fourth quarter of 2008 and will be extended to the remaining 38 stations that currently do not have public address capability as designs are completed. The new system uses existing network infrastructure and will provide full public announcement capabilities from a central location, such as the Rail Control Center. Transit's paratransit automatic call distribution system (ACD), which directs and monitors all incoming and outgoing customer calls, was

upgraded to include a call-back system and to increase customer access to the call centers. The call-back system allows messages – reminders of scheduled appointments at assessment centers, changes in subscription service on holidays, and other information – to be sent to customers, and the Integrated Voice Response system allows for more interaction with customers.

LIRR's Public Information Office (PIO) was expanded last summer to provide customers, the press, and the public with consistent, accurate, and helpful information 24 hours a day. Located in the Movement Bureau – the nerve center of LIRR train operations – and modeled in part on a similar office at the FDNY, the PIO is staffed with employees from both the Transportation and Public Affairs departments. The PIO generates updates on service disruptions that are sent to customers as e-mail and text messages, posted on the LIRR website as service alerts, posted on the Penn Station Message Boards, and (new in 2008) the Jamaica Station Message Boards. The PIO staff provides round-the-clock updates to traffic reporting services as well as major media outlets, including TV, radio, wire services and newspapers. Staff in the PIO also keeps conductors, assistant conductors, and collectors informed with more than 1,000 cell phones issued to LIRR conductors in 2008. Crew members now receive text messages and voice communications from the PIO about the latest train conditions. The train crew can then share that information with customers.

MNR installed real-time information technology at the Harlem 125th Street Station in 2008. This automated information system gives customers up-to-the-minute train data, including their train's departure time, station stops, track assignment, and operating status. Metro-North plans to install the system at other outlying stations, and stations to be included in the further rollout will be prioritized based on ridership density and station configuration. The technology was successfully implemented and tested at the White Plains Station in 2007 and went live there in mid-2008. As was the case at the White Plains Station, the Harlem 125th Street Station is undergoing a structured testing process that must be completed before the system can go live.

During 2008, Bridges and Tunnels installed seven new Variable Message Signs (VMS) which provide information about traffic and weather conditions – including accidents, Amber Alerts, regional events, and weather-related restrictions, as well as travel times and delays – and so

improve customer safety and service. Four VMS were installed at the Brooklyn Battery Tunnel, one at the Verrazano Narrows Bridge, and two at the Queens Mid-Town Tunnel, as part of an ongoing VMS sign replacement and modernization program. The new and the existing signs are integrated into a centralized traffic management system for better control. There are now a total of 62 VMS on Bridges and Tunnels facilities.

The agency also expanded its E-ZPass readers program between two points at its Henry Hudson, Throgs Neck, and Bronx-Whitestone bridges, and at the Queens Midtown and Brooklyn-Battery tunnels. The program uses scrambled E-ZPass data (ensuring customer privacy) to measure travel time; the data is provided to the TRANSCOM Regional System which provides traffic information at [www.trips123.com](http://www.trips123.com).



The number of EasyPay Xpress MetroCard subscribers grew significantly in 2008.

### More Payment Flexibility

The EasyPay Xpress MetroCard (EPX), a pay-per-ride card, makes it easier for riders because they no longer have to concern themselves with whether or not the card they have has value on it, and they don't have to stand on line at a station booth or MetroCard Vending Machine to purchase or replenish their card. The card is linked to a debit, credit, or transit benefit card and automatically replenishes itself, is balance-protected, and lasts for two years. EPX customers can also check their balance on line and view detailed statement and ridership information on line as well. In 2008 11,986 new customers joined the program, for a total of 14,697 active account holders. In 2008 EPX customers added \$6.8 million dollars to their accounts.

Metro-North replaced the old paper "duplex" ticket blanks long used for on-board ticket sales with hand-held ticket machines to modernize and simplify on-board ticket sales, improving customer service as well as the rail-

road's operating and financial efficiency. A conductor selects from a menu the departure and arrival stations, and the machine calculates the fare and issues a receipt using a wireless printer. The hand-held device can also store ticket sales data, simplifying record-keeping for conductors, and produces a database of actual zone-to-zone ticket sales by ticket type, time, and train number. Conductors can download daily sales information and save time by eliminating manual record keeping, reducing mathematical errors, and eliminating data entry.

Two of the biggest toll collection challenges facing MTA Bridges and Tunnels today are how to keep increasing its E-ZPass market share and how to reconfigure its toll plazas to even further reduce traffic congestion. Market research focus groups conducted the previous year found that the 12-year-old application was too long and a barrier to signing up for many people. A simplified one-page E-ZPass application was developed and is being distributed in the cash lanes on a rotating basis at the crossings. An extremely successful pilot program to make E-ZPass-On-the-Go, a prepaid, preloaded E-ZPass tag and account kit, available at retail 130 retail locations, began in April; by the end of 2008 almost 15 percent of new accounts were being opened through E-ZPass-on-the-Go. The program will be expanded in 2009.



Hand-held ticket machines simplify on-board sales at Metro-North.



### Flood Mitigation

Following a major rainstorm in August 2007 that crippled the transportation network during the morning rush hour, the MTA began a comprehensive program that has improved overall customer communications, especially during service delays, and has taken steps to mitigate the severe flooding that disrupted service.

In December, the MTA launched a comprehensive email/text messaging system to alert customers to service delays. Using the MTA website, customers can register to receive alerts about any combination of subway lines, rail lines, bus routes, bridges, or tunnels, customizing their selections to receive messages 24/7 or only during particular time periods. More than 150,000 customers signed up for the program by year-end.

To prevent flooding at a number of locations, New York City Transit began installing raised subway tunnel ventilation grates to prevent storm water runoff from pouring over the existing sidewalk grates and entering the subway system. Working with innovative designers, the New York City's Arts Commission, Arts for Transit, and the Departments of Transportation, Parks and Recreation, and Environmental Protection, Transit began installing street furniture at the frequently flooded locations listed in the 2007 Flood Report. The multi-purpose furniture provides seating or bike-rack space while raising the sidewalk grating to a height not likely to be flooded. In 2008, Transit installed street furniture at the priority locations along Hillside Avenue and Northern Boulevard in Queens and in lower Manhattan and the Upper West Side.

### Arts For Transit

Arts for Transit commissions permanent public art for subway and commuter rail stations that are being constructed or rehabilitated. Integrated into station architecture, the work enlivens customers' travel experience, bringing color, visual interest, and a sense of place to the station environment. Last year 17 new projects were commissioned, 11 at NYC Transit and four at Metro-North stations. Arts for Transit completed 10 permanent art projects, three at LIRR stations and 7 at subway stations, and its Freeman Street subway station project received a major national award for excellence in public art in 2008.

Three projects illustrate ways Arts for Transit projects transform stations while referencing the place and community in which they are located. At LIRR's Broadway Station on the Port Washington Branch, artist Jean Shin's Celadon Remnants, ingeniously reuses discarded pottery fragments donated by celadon factories in South Korea and is an homage to an Asian art form, a perfect expression of its Flushing area location. In the Times Square Subway complex, 70 mosaic figures in varying celebratory poses compose Jane Dickson's Revelers. In the new South Ferry subway station, Doug and Mike Starn's See It Split, See It Change fills the space with a variety of work, integrated into the architecture, in fused glass with imagery that alludes to Battery Park above, a stone mosaic map is based on historic maps, and a stainless steel fence uses a leaf and branch pattern.

### New York Transit Museum

The Museum celebrated Metro North's 25th anniversary with A Railroad Reborn, tracing Metro North's transformation from a neglected subsidiary of Conrail into an efficient, modern commuter railroad with 97.5 percent on-time performance. Tools of the Trade and What's New showcased electrical, communications, and safety equipment, station ornamentation, railroad memorabilia, and models, most of them new acquisitions. The 15th Annual Bus Festival partnered with Atlantic Antic, Brooklyn's largest street festival, drawing over 7,300 visitors in one day. Artifacts and poignant photography of Robert F. Kennedy as New York's senator were added to the Museum's exhibit on the Triborough Bridge in honor of its renaming. A record 160,000 people in 75 days visited the Holiday Train Show at Grand Central Terminal, which introduced new Lionel models of Transit's R 27 and Metro North's M7.



*Celadon Remnants*, by Jean Shin, turns pottery fragments into art.

School group visits to the Museum were up 29 percent, to 1,160 groups. A “Fare Game” workshop based on computing revenue at various fare levels complemented the Show Me the Money exhibition and honed children’s math skills. Adults enjoyed over 30 tours of MTA facilities, including a new series with MTA Arts for Transit. Kids’ birthday parties jumped from 61 to 88, and revenue from

facility rental nearly doubled in 2008, as the Museum became the location for scenes in the remake of “The Taking of Pelham 1 2 3.”

Paid attendance was up 6 percent, retail sales 3 percent, and overall income 4 percent, demonstrating the Museum’s vitality as a cultural institution and steward of the MTA’s history.



Metro-North Railroad celebrated its 25th anniversary.

## Projects and Planning

*Strategic Priority: Responding to the priorities of regional stakeholders to expand the system to serve a growing regional population and maintain the current network in optimal condition.*

In 2008, the MTA completed more than \$3.3 billion in Capital Program projects, 76 percent of its goal for the year. New commitments funded projects valued at \$3.9 billion, just 58 percent of goal. Certain completions and commitments were shifted to 2009, in part to take advantage of restructured bidding practices that splits contracts into smaller components and allow more companies to bid.

While there has been a fall-off in construction in the New York region, accompanied by a drop in costs, the recession is having little impact on the cost of MTA projects. Most of the decline in new project starts has been in the high-rise construction market as office and apartment buildings have been put on hold. MTA's largest construction projects are the new tunnels and other underground construction for East Side Access, the Second Avenue Subway, the 7 Line Extension, and the limited number of contractors that specialize in this type of work have kept prices fairly constant.

Among the most significant projects deferred to 2009 were the soft-ground tunneling in Queens and the 50th Street vent plants for East Side Access (which are being rebid), the Second Avenue Subway structural and utility relocation at the 96th Street station, the remaining underground work at the Fulton Street Transit Center, upgrading the Flushing Line signals to communications-based train control (CBTC), Phase II of the Culver Line viaduct and interlockings, and an upgrade for Transit's radio system. Other projects originally planned for award in 2008 were deferred to 2010, including the first phase of the 207th Street Shop rehabilitation and signal modernization at 71st Avenue and Union Turnpike. Project completions set for 2008 but pushed to 2009 included the next phase of Transit's data network installation (Synchronous Optical Network (SONET) and IRT Asynchronous Transfer Mode [ATM] system), a joint NYCT/MTA Bus purchase order for 41 coach buses for express service, completion of Atlantic Terminal, and the opening of the new South Ferry Terminal.

### Mega-Projects

In response to challenging market conditions MTA



Worker prepares the tunnel boring machine for continued work on East Side Access project.

Capital Construction revised the contract packaging plans for three of its five mega-projects: East Side Access, Second Avenue Subway, and Fulton Street Transit Center. The objectives of the changes were to reduce the size and complexity of the contract packages to increase the likelihood of competition by making the work accessible to a larger pool of contractors. Less complex contracts limit the number of disciplines involved in any one work scope so that bidders with the right expertise are in a stronger position to bid competitively. Specialty work such as historic restoration can be a source of risk for which bidders often incorporate premiums into their bids.

Capital Construction made significant progress on excavation work on its three tunneling projects, East Side



Access, Second Avenue Subway and 7 Line Extension.

Two tunnel boring machines (TBMs) completed the full length of the first runs under Park Avenue for East Side Access, including a tunnel reaching south of Grand Central Terminal where the LIRR terminal will have tail tracks. Once the work was completed, the TBMs were dismantled and brought back uptown to begin their next runs. Ultimately the machines will be used to construct a track system that splits the two mainline tracks into eight terminal tracks at the new LIRR terminal under Grand Central Terminal.

Construction of the Second Avenue Subway TBM launch box began in 2008 and will continue in 2009. Much of the work has involved the temporary or permanent relocation of utilities between 92nd and 95th Streets. In the complex, layered environment of New York City, there are often unexpected utilities and other underground conditions that make the construction process more challenging. Part of the structure of the launch box is created from multi-story rebar cages that are placed along the perimeter. Once the box is completed, traffic decking will allow street traffic to continue during the TBM operation. Preparatory work for the construction of access shafts at 69th and 72nd Streets also began, and the MTA worked to minimize disruptions to pedestrians, businesses, and local traffic.

The 7 Line Extension, which will extend service to Manhattan's Far West Side and the Javits Convention Center, made progress at several work sites. Excavation began for a TBM box at 11th Avenue between 25th and 26th Streets and for the new station at 34th Street. At Times Square, excavation of tail tracks where the new line will connect with the existing right of way, and underpinning of the existing Eighth Avenue Subway, under which the new line will pass, have also begun.

A new Capital Construction initiative will combine the procurement of elevators and escalators for multiple locations, including those to be installed as part of East Side Access and the Second Avenue Subway.

With the increased number of contract packages, Capital Construction is carefully managing procurement and construction schedules in order to coordinate the timing of, and interface between, contracts.

The new South Ferry Terminal on the 1 line neared completion in 2008, and systems testing and integration began in preparation for the station opening.\*

## Rail Projects

The two most visible components of the MTA's rail systems are rolling stock and stations; New York City Transit, Long Island Rail Road, and Metro-North Railroad all made substantial progress in these areas in 2008.

New York City Transit accepted 536 R160 rail cars, 90 more than planned (\$986.2 million). Transit also exercised Option II of its contract to order an additional 382 R160 cars at a cost of \$843.1 million. Deliveries will begin in the second half of 2009. Most will replace older cars that have exceeded their useful life while 90 will increase the fleet size.

The LIRR and MNR took the first steps in the development of specifications for their next generation of jointly procured rail cars by developing the specifications for the M-9 car. The goal is to include in the new cars technologies, amenities, and improvements in reliability and maintainability developed since the M-7.

For its New Haven Line, which uses catenary (overhead) power supplies rather than third rail, MNR is working with the Connecticut Department of Transportation (CDOT) on a jointly funded \$760.0 million project to develop new M-8 rail cars. The cars, which will supplement and replace the M-2, underwent design reviews and inspections throughout 2008, and deliveries will begin in 2010. At the same time, the railroad and CDOT continue their M-2 car remanufacture program, budgeted at \$104.3 million.

MNR and CDOT have also purchased twelve multi-purpose shuttle/switcher locomotives, 11 of which have been delivered. The total project will cost \$27.2 million. MNR is also overhauling 104 end-door coaches (64 owned by the railroad, 40 by CDOT) for East-of-Hudson service; 33 cars are already in service and the project will be completed in 2010, at a total cost of \$61.8 million. In addition, the railroad's fleet of 138 M-3 cars are being rehabilitated to extend their useful life (\$25.9 million), with 30 cars completed by year-end 2008.

Transit completed work at nine stations during the year.

The Myrtle-Wyckoff station complex rehabilitation (\$78.8 million) brought the Myrtle Avenue Station on the Canarsie line and the Wyckoff Avenue Station on the Myrtle Avenue line to a state of good repair. Work included the construction of a control building, installation of three

\* The station opened on March 16, 2009.

ADA elevators, and new employee facilities. The station house provides an improved customer-friendly environment with 24-hour street-level access, full ADA accessibility, and a significantly improved intermodal transfer between the two stations and area buses.

Major station elements at the landmark Wall Street station on the Lexington Avenue 4, 5 lines were rehabilitated in 2008, including street stairways, historical canopies and rails, historic mosaics, a restored historic station booth, and new flooring. The project, which totaled \$38.7 million and was completed 14 months ahead of schedule, also reconstructed existing operation rooms, refurbished token booths, rehabilitated platform stairs, replaced lighting, reconstructed platform edges with new rubbing boards and ADA warning strips, and repaired and painted corroded steel throughout the station.

ADA accessibility was extended to Church Avenue on the F line in Brooklyn with three new ADA compliant elevators and additional ADA upgrades in a project that cost \$23.6 million; to Kew Gardens-Union Turnpike on the E, F



lines, where three elevators were installed and other changes, including platform modifications in order to reduce gaps between the platform edge and car doorsill, new platform edge warning strips, and new ADA compliant handrails were completed; and to 135th Street on the 2, 3 lines, where two elevators were installed and other accessibility improvements were made (\$17.9 million).

Other station work included replacement of five escalators at the Jamaica-Van Wyck station of the E line to provide increased reliability and availability to customers (\$18.2 million) and replacement of 12 escalators serving the 34th Street-Herald Square B, D, F, V lines. At Roosevelt Island, eight replacement escalators save energy by incorporating Sleep Mode, a feature that prompts escalators to slow down when not in use and speed up when a rider approaches. The \$21.2 million project for the F line station was completed one month early.

During 2008 New York City Transit awarded contracts for the rehabilitation of seven B and Q stations in Brooklyn (\$283.8 million) and the Bleecker Street station, which will include a new passenger link between the B, D, F, V platforms and the northbound 6 as well as complete ADA access to the complex (\$133.2 million). Currently transfers are available only with southbound 6 service, and the station is not accessible to wheelchairs.

At the Long Island Rail Road, Rosedale Station rehabilitation was completed at a cost of \$8.5 million. The station was made ADA accessible with a new elevator, and work included the installation of a new ten-car station platform, refurbishment of the platform level waiting room and ticket office, a new rest room, platform lighting, and public address system. In addition, platform canopies, stairs, and the pedestrian tunnel were refurbished.

At Grand Central Terminal, MNR completed the restoration of Vanderbilt Hall, including the floors and windows (\$4.4 million). Major station rehabilitation projects were completed at Dobbs Ferry, Hastings-on-Hudson, which included new platforms, canopies, overpasses with elevators, and at Irvington, which included a new platform and canopy and the rehabilitation of the pedestrian underpass. As part of a continuing rehabilitation of the historic Poughkeepsie Station, MNR began work on a new roof for the facility (\$8.8 million).

A new station being built at Yankee Stadium (a \$92 million project, with \$39 million funded by New York City) will open in spring 2009. The station – which will have two

island platforms serving four tracks – will include a mezzanine above the platforms and a new pedestrian overpass to provide access from the stadium and neighborhood to the station and to parking, ferry facilities, and new parkland on the west side of the railroad right-of-way.

Design improvements for stations at Croton-Harmon, Peekskill, Port Chester, and Rye were completed in 2008; construction at Port Chester and Rye will begin in 2009.

Restoring and maintaining the infrastructure that allows for efficient rail operations is a primary component of the MTA Capital Program, accounting for more than half of the funds spent on the core program. Infrastructure spending on hardware – and software – is bringing the network into the 21st century.

Transit continued to move forward on its advanced data transfer network, completing the current phase of the SONET and Asynchronous Transfer Mode data network (\$201.1 million). The network will form the backbone of a systemwide communications and data link that will allow improved communications to customers as they travel.

Transit completed the \$224.3 million project to provide Automatic Train Supervision (ATS) for the entire "A" Division. ATS provides real-time train location and status information to operating personnel for decision making, and in the future, to station public address systems and customer information screens.

In-house forces began installation of conduits and cable at five stations on the N and W lines in Astoria for a public address/customer information system (PA/CIS), and the work will expand as designs are completed for the remaining 38 stations.

Transit substantially completed its \$82.6 million signals rehabilitation at the Queensboro Plaza interlocking on the Flushing Line in Queens. The upgrade will result in reduced maintenance costs and improved operational reliability.

The agency also substantially completed a \$72.2 million project to rehabilitate the Bergen Street interlocking on the F, G lines in Brooklyn. The new solid state interlocking (SSI) replaces equipment originally installed in the 1930's, including signals, stop machines, switch machines, cables, and other necessary equipment.

Vent plants at Lafayette Avenue in Brooklyn were replaced, a project that included new fans that meet the latest vent plant design criteria, including more effective

smoke removal – critical to safety because they speed the evacuation of smoke from tunnels. Originally serving only the Fulton line, these new fans are more efficient and will be able to serve the Fulton Street (A, C), Crosstown (G), and Eastern Parkway (3, 4) lines.

To rehabilitate the signal system for the 7 line interlocking from south of Hunters Point to south of 82nd Street, \$41.6 million in signal equipment has been purchased and is being installed by in-house forces.

To help maintain the electrical system that operates the subway system, Transit completed a \$34.7 million project to construct circuit breaker houses at five locations throughout the subway system, including new enclosures, circuit breakers, cables, conduits, connections, control terminal boxes, and terminal blocks. The art deco-style Greenwich substation was brought to a state of good repair by the replacement of outmoded electrical equipment with new solid-state rectifiers, switchgear, and a power transformer as well as façade repairs that preserved the historic character of the building in a project costing \$28.9 million. In addition, two substation rehabilitation projects were completed – Green Street, Brooklyn (\$20.7 million) and 70th Avenue, Queens (\$22 million). The projects replaced equipment prone to frequent failure with new solid-state rectifiers, switchgear, and power transformers.

At Long Island Rail Road, completions included the reconfiguration of the Babylon yard (\$12.2 million) and the annual track program (\$51.5 million).

A crucial signal infrastructure modernization project was completed in 2008 – the Queens Interlocking Switch and Signal Improvements project. This \$60.4 million dollar project transformed this busy train interlocking near the Queens-Nassau County border by reconfiguring the tracks and installing high-speed crossover switches. Queens Interlocking's outdated signal infrastructure, which was installed in 1925, was replaced with state-of-the art microprocessor technology and provides customers with a smoother ride, fewer maintenance-related track outages, and greater service reliability.

LIRR also completed the modernization effort at Wood Interlocking, which is located near Woodside Station in Queens and serves the Main Line and Port Washington Branches. The improvements – a key element of the East Side Access project to bring LIRR trains into a new terminal beneath Grand Central Terminal – included a new track

configuration and the installation of new high-speed switches, signal instrument houses, and signal bridges.

LIRR commitments included projects to maintain its track and viaduct infrastructure, including rehabilitation of direct fixation track on the Babylon Branch; improved drainage control, track stability, and retaining walls; rehabilitation of the Atlantic Avenue viaduct, the 2008 track program, and work at its maintenance of way repair facility (\$201.1 million). The railroad also began projects to upgrade its diesel locomotive shop at Morris Park (\$6.9 million), and to begin phase 2 of the fit-out of the Jamaica Control Center building (\$12.0 million).

A contract for the Morris Park Locomotive Shop provides for the design of a new Morris Park Repair and Overhaul Locomotive Shop to replace an aging facility. A new heavy equipment shop will accommodate component change-out, heavy repairs, life cycle maintenance, and locomotive overhauls as well as providing an enclosed storage facility and an employee facility with new locker rooms, lunchroom, and office space.

As part of its in-house track program (\$51.5 million), LIRR rehabilitated 23 grade crossings across Nassau, Suffolk, and Queens counties. In addition, the railroad replaced 12 switches, resurfaced 95 miles of track, and replaced 35,800 wood ties.

The railroad remains committed to its plan to build a third track along part of the Main Line in order to increase service and operating flexibility, but has announced that its funding priorities for capital construction needs are East Side Access and maintaining its state-of-good-repair program.

In Central Islip, the railroad broke ground for a new MTA Police facility that will improve communications and investigations and allow a quicker response to emergencies in Suffolk County. The two-story, 12,000-square foot building – to be constructed at a cost of \$11.5 million – will house the MTA Police District One Patrol Force.

Metro-North completed the carwash facility at Highbridge Yard (\$14.9 million) and work on the Grand Central Terminal Train Shed (\$18.0 million). Infrastructure projects included the 2008 track program (\$12.5 million), rehabilitation of a rock slope to prevent blockages that could delay service (\$5.0 million), and interim repairs as well as a survey and project design to address leaks at Grand Central Terminal (\$5.7 million). The railroad also installed new express ticket vending machines (\$6.2 million).



Metro-North's Highbridge Yard.

In a project funded by Amtrak and supervised by Metro-North, the Shell Interlocking near the New Rochelle Station of the New Haven Line was reconfigured. The existing interlocking was reconfigured, with the catenary system and switches simplified, and a new interlocking was installed west of Pelham Station. The project allows greater speeds and reliability for Amtrak train service and improves MNR's reliability and operating flexibility.

The railroad completed two bridge rehabilitation projects. The superstructures were replaced and substructures rehabilitated at Hudson Line bridges over Fishkill Creek (\$9.2 million), and at Bridge Street in Irvington (\$3.9 million).

In 2008, MNR committed funds for track and turnout projects, including the 2008 track program and the West-of-Hudson track program (\$27.0 million) and replacement of the Central Train Control systems (\$5.0 million).

### Bus Projects

Major capital improvements for bus operations in New York City are funded through the MTA Capital Program, while those of Long Island Bus are the responsibility of Nassau County. All of the planning for projects, however, has been coordinated through the new regional bus operation, which allows for economies of scale and shared expertise.

NYCT received 121 new standard hybrid buses in 2008. These buses replaced older models that had reached the end of their useful life. A total of 239 paratransit buses (176 NYCT; 63 LI Bus) were delivered. Because it is less expensive to deliver paratransit services by using a voucher system for car services under contract, rather than the traditional minibus service, Transit also pur-

chased 117 paratransit sedans to be used for customers who do not require wheelchair accommodations.

In a joint purchase, NYCT and MTA Bus ordered 41 over-the-road express buses, with 19 for NYCT (\$12 million) and 22 for MTA Bus (\$14 million) to be delivered in 2009. Transit also ordered 90 new technology hybrid-electric buses (\$54 million). The buses are electrically powered, with batteries charged by a small diesel-fueled turbine-driven generator.

MTA Bus committed \$3.0 million for new service vehicles in order to improve on-the-road service and support response time.

In January NYCT completed its \$263.1 million construction of the new Grand Avenue Shop and Depot. The facility has four diesel fuel pumps, four bus washers, four state-of-the-art bus painting booths, two bridge cranes, and 2,000 linear feet of crane monorail with 24 cranes on the system. The various work shops, motor repair, engine rebuild, transmission shop and body component area give the Central Maintenance Facility the capability to perform maintenance on all buses in the NYCT fleet.

The Mother Clara Hale Depot was closed for demolition and reconstruction, and the Amsterdam Depot opened to support operations while the work is completed. The new building will be constructed using “green” principles and technologies and will be built to U.S. Green Building Council LEED (Leadership in Energy and Environmental Design) Certification status.

To improve maintenance, an on-board diagnostic system is being used at the Castleton, Yukon, Flatbush, and Manhattanville Depots for new hybrid buses. The system has the potential to support real-time customer service features, including automated bus stop announcements (currently being piloted) and real-time customer information.

To support its paratransit operations, LI Bus renovated its facility at Stewart Avenue, bringing all maintenance and parking facilities to a single location, which will allow for improved service. The facility is set to begin operations during the first quarter of 2009.

### **Bridges and Tunnels Projects**

Project completions for Bridges and Tunnels included the replacement and rehabilitation of exhaust and supply fans at the Queens Midtown Tunnel (\$32.6 million);

improvements to the Operations Center at Randall's Island and other facilities (\$16.1 million).

An integrated security system was completed at two critical facilities, providing them card access, intrusion protection and detection, including alarms, monitoring equipment, CCTV, and digital recording equipment, door locks, barriers, fencing, sensors, and lighting.

Bridges and Tunnels updated the tunnel control and monitoring systems including ventilation, traffic signal control, and power at the Brooklyn-Battery Tunnel (\$12.3 million).

At the Verrazano-Narrows Bridge, major deck and roadway work on the westbound lower level and the Brooklyn elevated approach span decks was completed and all lower level eastbound and westbound lanes were reopened.

As part of the deck replacement of the Wards and Randall's Island viaducts at the Robert F. Kennedy bridge, the Queens to Manhattan ramp was widened and the on-grade roadway on Ward's Island was rebuilt. As a result, the four traffic lanes in each direction were completely reopened in November. Final work on the project, which includes new roadway lighting, will be completed by summer 2009.

Bridges and Tunnels made significant commitments for a number of new projects in 2008.

At the Throgs Neck Bridge, the agency will replace the concrete deck to provide a smoother ride (\$69.3 million). Two projects address approach roads on the Bronx-Whitestone Bridge. The elevated and on-grade Bronx approach roadways and lower garage will be rehabilitated (\$195.3 million) and phase II design for the rehabilitation of the Queens Approach roadways (\$5.8 million) will begin. At the Verrazano-Narrows Bridge, the agency contracted for the relocation of utilities in preparation for rehabilitation work on the upper level decks on the suspended spans of the (\$36.8 million) and for structural steel repairs (\$13.1 million). In addition, in a joint project with the New York City Department of Transportation, Bridges and Tunnels has begun planning the removal of the bridge's westbound toll plaza. The project will include reconfiguring nearby exits and entrances and regrading the transition area between the Staten Island Expressway and the bridge entrance to allow cars to travel safely through the area without having to slow down.

*Strategic Priority: To operate the MTA efficiently, even during times of fiscal austerity, to meet the needs of a growing ridership, and to work with stakeholders to put in place secure, stable, and predictable revenue sources.*

### Revenue and Budget

The worldwide economic downturn, which began in late 2007, had a significant impact on MTA finances in 2008, especially in real estate-related taxes, which were down more than 40 percent from the prior year. Other dedicated taxes were also down sharply.

By midyear, the MTA agencies had implemented gap closing measures to help control their expenses. It also began a process of identifying Additional Actions for Budget Balance (AABBs) that were adopted by the board in December and will result in savings of approximately \$400 million per year when fully annualized in 2010.

As required by law, the MTA completed the year with its budget in balance, due primarily to surpluses built up during the strongest years of the New York City real estate market, 2004-07, and had a closing cash balance of \$269 million that will be carried over to support 2009.

Increases in fares and tolls early in the year increased total revenue. Ridership grew during the year,

raising fare revenue by 6 percent; toll revenue was up 2 percent despite a 3 percent decline in crossings as drivers made fewer trips, both because of the economic downturn and a summer that saw gasoline prices top \$4 a gallon, but this was offset by toll increases that went into effect in March.

The budget forecasts for 2009 projected continued revenue shortfalls, and at year-end the MTA board adopted what it termed a “draconian” budget for 2009 that included proposed fare and toll increases that would raise fare and toll revenue yield by approximately 23 percent and implement significant service cuts (included in the AABBs), all of which would be necessary to close an expected gap of approximately \$1.2 billion. The increase would mark only the second time in its history that the MTA raised fares in consecutive years.

At the same time, the MTA announced its strong support for a series of recommendations issued by the Commission on Metropolitan Transportation Authority Financing appointed by New York State Governor David A. Paterson and headed by Richard Ravitch, former MTA chairman. The creation of the Commission was an important step in helping the MTA achieve its strategic goal of putting the MTA on a stable financial footing (see sidebar).

Under the adopted 2009 budget, service cuts were set for the spring; subway and bus fares would increase



Grand Central Terminal.

### The Ravitch Commission Recommendations

In the summer of 2008, New York State Governor David A. Paterson appointed a 14-member panel – led by former MTA Chairman Richard Ravitch – to study the long-term financing needs of the MTA and to return with recommendations that would provide steadier income streams to fund transit operations.

The Commission held seven formal meetings and numerous smaller group discussions; conducted public hearings in New York, Nassau, and Westchester counties; consulted with elected officials from across the region as well as transportation policy and financial experts; and received numerous briefings from senior MTA management and state budget officials. In its report the Commission concluded that the MTA required support for both its operating and capital needs in order to continue to serve as an economic engine for the region and state.

In crafting its recommendations, the Commission sought to distribute the cost increases among all groups who benefit from MTA services: riders and vehicles using MTA services, businesses in the MTA service region, and motorists (who benefit from traffic reduction when others opt to use mass transit).

The Commission proposed a new regional mobility tax on all payrolls in the 12 New York State counties

comprising the MTA Commuter District and the imposition of tolls on the currently free East and Harlem River Bridges. In addition, it recommended that the MTA lower its planned fare and toll increases to an average of 8 percent.\*

The mobility tax, the Commission declared, is “the fairest feasible way to spread the burden of financing the capital needs of our regional transit services to those businesses and organizations that most directly benefit from it.”

The Commission recommended tolls on the currently free bridges, because it “believes that it is fair and appropriate for motorists to share in this burden as the very existence of the region’s extensive transit network limits demand on overcrowded highways and thus provides capacity to motorists who have elected not to use transit.”

\* In May 2009 the New York State Legislature approved a mobility tax on payrolls on all businesses in the MTA Commuter District, and increased certain motor-vehicle-related fees and imposed a 50-cent surcharge on taxi rides in the District. The MTA modified its fare and toll increase proposals, adjusting them to increase fare and toll yield by approximately 10 percent and cancelled planned service changes. The fare increases were scheduled to begin in June 2009 and the toll increase in July 2009.

at the end of May, commuter rail fares on June 1, and tolls on July 11. However, if the State legislature approved the Ravitch Commission recommendations, the service changes would be largely unnecessary and fares and tolls would rise in order to increase revenue by approximately 8 percent.

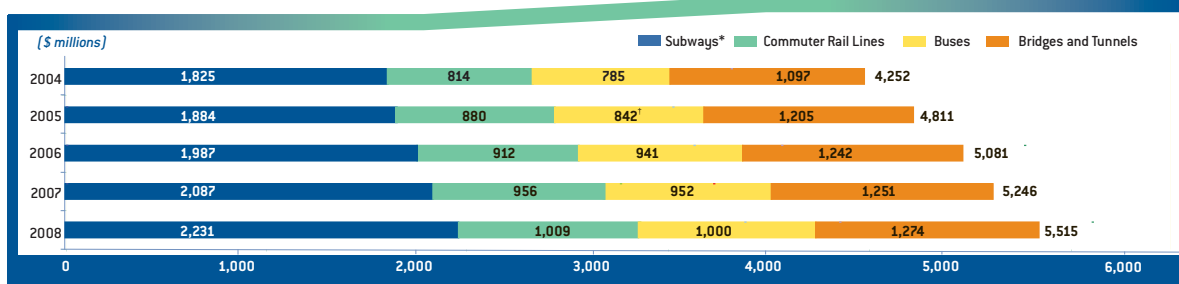
The MTA generates more than half of its operating budget from fares and tolls, higher than other major transit system in the country. Through 2007, it benefited from real estate-related tax receipts that reached record levels before the downturn began.

With the fare and toll increases in place, the MTA in February 2009 projected a cash balance of \$49 million at year-end 2009. The MTA’s current financial plan also

includes a possible fare increase in 2011. These budget projections are made based on prudent estimates of revenues, subsidies, and expenses and are considered to result in manageable deficits.

MTA operating expenses (before non-cash liabilities) are forecast at \$9.6 billion in 2009. They are composed of controllable and uncontrollable expenses. MTA has continued its commitment to reducing controllable expenses and the gap-closing internal actions proposed in previous financial plans remain in place, including a 1.5 percent annual reduction made in 2008. However, approximately 30 percent are expenses largely out of the direct control of MTA management and include costs for health and welfare benefits, pensions, paratransit, and energy, which have risen far more quickly than other expenses. Debt

Fare and Toll Revenue



\* Includes Staten Island Railway.  
 † Includes partial-year results for MTA Bus.

service costs continue to increase as a percentage of the operating deficit, although actual debt service in 2009 will be reduced by \$283 million due to a cash defeasance transaction completed in 2007.

The MTA must also continue to invest in its Capital Program to ensure that core services remain strong while it builds new infrastructure to meet the growing needs of the region. The State Legislature’s funding decisions also drive the Capital Program, and the MTA is continuing to focus on both operational and capital needs.

**Finance and Bonding**

MTA issues bonds to provide funding for approved capital projects under four principal credits: MTA Transportation Revenue Bonds, MTA Dedicated Tax Fund Bonds, MTA Bridges and Tunnels General Revenue Bonds and MTA Bridges and Tunnels Subordinate Revenue Bonds. MTA’s strong credit ratings remained stable throughout 2008, with ratings of A or higher by Moody’s, Standard & Poor’s and Fitch.

The capital markets saw tremendous volatility throughout 2008. As a result of the broad credit crunch and downgrades of several bond insurers, MTA’s Auction Rate Securities (ARS) experienced “failed” auctions or relatively high reset rates, and some of MTA’s insured Variable Rate Demand Obligations (VDROs) also reset at higher

than expected levels. In response, the MTA implemented a set of actions to manage the portfolio in a fiscally responsible manner during the current challenging credit market situation. Actions included refundings and conversions to eliminate downgraded bond insurers.

The MTA issued 13 series of bonds in 2008 to provide \$1.16 billion in new money for existing, approved capital projects, refunded \$3.29 billion in Auction Rate Securities and Variable Rate Demand Obligations, and restructured \$742 million of bonds to remove bond insurance and replace the liquidity facilities with letters of credit. The MTA also issued \$750 million of Commercial Paper Transportation Revenue Bond Anticipation Notes, Series CP-1.

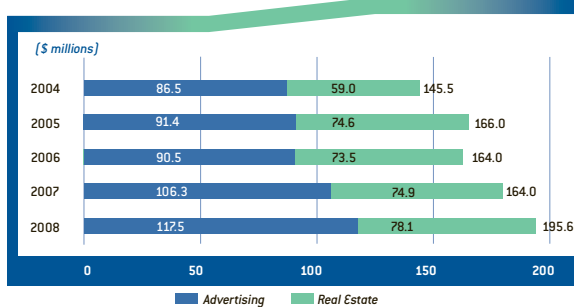
**Real Estate, In-System Advertising, and External Programs**

Two large projects, each to be built over MTA rail yard properties, continued to move forward in 2008, although neither deal has been finalized and the economic downturn has slowed both projects.

The MTA conditionally designated the joint venture of Related Companies and Goldman Sachs as the developer for the mixed-use development over the LIRR rail yard on the Far West Side of Manhattan. The expiration date of the conditional designation has been extended through January 2010. In Brooklyn, the development company Forest City Ratner continues its planning for a multi-use project to be built in part over the Vanderbilt Yard of the Long Island Rail Road, adjacent to its Flatbush Avenue-Atlantic Terminal Station. Negotiations between the MTA and the developer are continuing.

Income from real estate, which is generated primarily from independent vendors doing business on MTA property, rose 4.27 percent, to \$78.1 million in 2008 from \$73.5 million in 2007.

Real Estate and Advertising Revenue





MTA Debt Outstanding by Type\*

	As of 12/31/2007	Percent of portfolio	As of 12/31/2008	Percent of portfolio
Fixed Rate	\$14,681,495,000	64%	\$17,302,535,000	72%
Term	—	0%	739,760,000	3%
Commercial Paper	750,000,000	3%	668,000,000	3%
Variable Rate Demand Obligations	5,057,175,000	22%	4,559,550,000	19%
ARS	2,419,050,000	11%	866,025,000	3%
<b>Total</b>	<b>\$22,907,720,000</b>		<b>\$24,135,870,000</b>	

\* Excludes State Service Contracts.

Advertising revenue also increased, up 10.5 percent, to \$117.5 million in 2008 from \$106.3 million in 2007.

In 2008, NYC Transit executed 13 promotional campaigns with a variety of partners, including the Bronx Zoo, Chase, City Parks Foundation, and the Radio City Christmas Spectacular. Gross revenue totaled \$1.2 million and net revenue reached \$765,000, up from \$485,000 in 2007.

LIRR generated \$1.9 million through tickets sales for promotional packages and programs, up 20 percent from 2007. These packages and programs include One-Day Getaways (Manhattan & Long Island), Beach & Fire Island packages, Event packages (Broadway, Radio City/MSG, Entertainment, Expos), Belmont Park, Sports (Islanders, Mets, St. Johns), Group travel (schools, seniors, youth groups), Tanger Deer Park Outlets, MacArthur Airport, and Hamptons Reserve service.

For travelers headed to Long Island MacArthur Airport, LIRR developed a new discount ticket package that takes customers to the airline terminal with a special package that includes rail ticket and van transportation between the airport and Ronkonkoma Station.

Metro-North advanced several revenue generating initiatives under the Titan Worldwide ten-year advertising contract. New media forms introduced in 2008 include interior Bar Car wraps, new advertising frames in Grand Central North and the Roosevelt Passageway, and back lit ad displays in the east spine at 48th Street and Park Avenue and new advertising frames and a pilot program using a video monitor for advertisements and customer information in Grand Central. Revenue from this program reached \$11.0 million in 2008.

Metro-North expanded its getaway promotions program to include six new packages to bring the total number offerings to 39. The program generated 82,048 rides

and \$336,092 in net revenue, a 5 percent increase over 2007.

In 2008, the MTA earned \$365,000 in royalties on \$3.75 million in sales of licensed products, up 34 percent from 2007. The MTA's portfolio includes more than 400 officially licensed products. Notable license agreements in 2008 included such brands as New Era Cap Company, the largest worldwide manufacturer of caps and provider to most professional sports leagues. Revenues from the MTA Brand Licensing Program support the New York Transit Museum.



Limited edition subway-themed chair by world renowned artist Boris Bally.



***Strategic Priority: Ensuring network security with aggressive strategies that address potential threats to the network in a post-9/11 environment; ensuring the safety and security of customers and employees.***

### **Security**

Making and keeping the MTA system of subways, railroads, buses, bridges, and tunnels safe remains a key priority, and in 2008 a number of steps continued to advance this process.

Since 2002, Capital Construction has worked on a

number of projects to harden the transportation system, and in 2008 worked with MTA Bridges and Tunnels to commit more than \$90 million for bridge hardening.

Under the aegis of Capital Construction, an Integrated Electronic Security System (IESS) – a centrally-monitored electronic access control, intrusion detection, and CCTV that is integrated with the MTA Police Department – is being installed across the network at locations of MTA New York City Transit, MTA Long Island Rail Road, MTA Metro-North Railroad, and MTA Bridges and Tunnels.

As part of preparedness planning, MTA's rail agencies – working with the NYC Department of Health & Mental Hygiene, and Lawrence Livermore National Laboratory – began mapping systemwide background radiation levels to enable the MTA to more quickly determine remediation targets for system restoration in the event of an incident.

In addition, the MTA awarded a contract to develop a template for responding to and managing a chemical, biological, or radiation incident that will recommend methods for decontaminating infrastructure (including tunnels), and purchased a support vehicle for use in hazardous materials incidents.

To ensure effective use of resources, NYC Transit conducted a threat and vulnerability assessment of train yards, bus depots and other facilities. With the assessment completed, the agency was able to identify security weaknesses and recommend countermeasures – people, hard engineering and/or technology.

Transit performed security drills and facilities inspections to improve readiness and security performance, and work on a CCTV system and customer assistance intercoms (CAI) at SIR stations is ongoing, with completion anticipated in 2010.

LIRR participated in seven emergency response full scale and table-top exercises in 2008, coordinating activities with MTA Police and its Interagency Counter-Terrorism Task Force (ICTF), as well as local emergency response fire, police and EMS units.

In 2008, to enhance security, CCTV cameras were installed at five LIRR stations: Country Life Press, Garden City, Stewart Manor, Nassau Boulevard, and Farmingdale. The work also included installation of ancillary monitoring equipment, 16-channel digital multiplexing recorders, and system power supplies.

Clear trash containers have replaced old style con-

tainers at Jamaica Station and other locations, with a complete systemwide rollout expected take about two years. In addition, special blast-resistant trash containers will be used at Penn Station, Flatbush Avenue, and Jamaica.

The LIRR installed high security fencing and self-locking gates at eight of its major yards.

Metro-North installed digital CCTV systems at New Rochelle and Croton Harmon stations; at the New Haven shop and yard, two manned access control points were brought into service.

The railroad conducted its annual Emergency Disaster Simulation at Grand Central, working with MTA Police, and the New York City Fire and Police Departments, and conducted an emergency preparedness exercise with Yonkers at Glenwood Station. The railroad also participated in local community drills systemwide.

With the consolidation of operations of MTA's three bus operations, security initiatives have been extended to all operations.

At New York City Transit bus operations, MTA Bus, and Long Island Bus, work to harden depots and other facilities continued with the installation of security booths, lighting upgrades, fencing, alarm systems, communications systems, traffic control gates, and internal and external security cameras.

Threat vulnerability and risk assessments and Security and Emergency Preparedness Plans (SEPPs) have been completed at MTA Bus and LI Bus, and their employees are now covered by first-line-of-defense training and are participating in quarterly red-letter drills to increase operator awareness and preparedness.

MTA agencies are also working with the U.S. Department of Transportation on a regional security and emergency operations project to improve communications and resource sharing among transportation, emergency response, and other agencies.

### Anti-Crime Measures

On Monday, December 1, Brooklyn bus operator Edwin Thomas was killed in the line of duty during a customer dispute. Following the incident, the New York City Police Department deployed additional patrol units, while New York City Transit provided buses on the route with security cameras. The Bus Operator Action Committee (BOAC), which comprises bus operators, union delegates,

and management made additional recommendations that are being pursued, including: the installation of bus operator partitions (vendor mockups are under review, and the current plan is to retrofit 85 buses for the B46 route by mid-2009); analysis and evaluation of fare evasion data and the targeting of specific routes for additional enforcement; larger notices on buses to make customers aware that assaulting a bus operator is a felony offense; and enhanced on-board fare policy announcements.

Bus operations management is also working closely with New York City, Nassau County, and Westchester County district attorneys in the prosecution of bus operator assaults.

On the subways, which are patrolled by the NYPD, the overall crime rate (reported felony offenses) dropped 2.9 percent from 2007. At LIRR, MNR, and the Staten Island Railway, all of which are patrolled by the MTA Police Department, reported felony offenses were up slightly. On the LIRR the rise was attributable to an increase in grand larceny offenses, on MNR to increases in burglaries and robberies, and on SIR to robberies. However, the total number of reported crimes in 2008 increased by just seven in each of the rail agency counts.

New York City Transit's anti-graffiti vandalism initiative made progress in 2008 with a 54.7% reduction in subway car graffiti vandalism in subway yards. This reduction was accomplished through the use of portable wireless closed-circuit intrusion detection technology and a system of refined statistical analysis on prior incidents.



Transit also provided enforcement for Select Bus Service to ensure that it operates efficiently and that passengers are paying for rides before boarding – a critical element in the speeding up of bus service. After allowing a grace period in which non-paying passengers received warnings, Transit stepped up enforcement and issued hundreds of tickets to riders who had not paid fares.

LIRR implemented a three-pronged effort to remove homeless encampments that were causing security concerns along the Bay Ridge freight branch. Although the branch is operated and maintained by a private freight operator under contract with the railroad, the LIRR addressed community concerns about the right-of-way by reviewing security protocols with the New York and Atlantic Railway, installing fencing to limit access to tracks and assigning additional MTA Police patrols to work in conjunction with the MTA's Homeless Outreach program.

### Customer Safety

Following incidents at the Atlantic Avenue grade crossings in East Rockaway and at Stewart Avenue in Bethpage, the LIRR increased its police and safety presence at these crossings to bolster safety awareness. Additional MTA Police patrols were assigned to the crossings to step up enforcement of vehicle and traffic safety laws and LIRR System Safety personnel held Operation Lifesaver education days at the crossings. Operation Lifesaver is a non-profit international public information, education, engineering and enforcement program dedicated to reducing crashes, injuries, and fatalities at highway-rail grade crossings.

The LIRR continued its comprehensive “Be TrainSmart” safety campaign into 2008, focusing on a new safety element every two months, covering train

doors, grade crossings, train boarding, and escalator/stair use, and revisited the theme of platform gap safety. The program received advertising awards from the Best of Long Island in 2008. In addition, well-known media celebrities continued to record station public address announcements to remind customers to watch the gap and to exercise cell phone courtesy while on-board trains. Osi Umenyiora from the New York Giants, NBC's Al Roker, Tom Kaminsky of WCBS radio, actor Alec Baldwin, and sportswriter Mike Lupica recorded announcements for 2008.

The railroad has added wider threshold plates to 97 M-7 rail cars to ensure that targeted gaps between platforms and cars are less than 10 inches wide. With its current schedule of 14 cars per week, the project will be completed in December 2009.

Metro-North introduced a new “Put Your Best Foot Forward” campaign to focus customer attention on slip, trip, and fall hazards, which included new Grand Central Terminal announcements and printed materials in the shape of a foot. The railroad also paid special attention to eliminating hazards through its station state-of-good-repair program.

Access-A-Ride worked with MTA Risk Management to promote customer and driver safety. First, to facilitate development of safety action plans each Access-A-Ride (AAR) carrier's operation is being benchmarked against best safety practices in the industry. Second, a test of after-market speed controllers was initiated. The controllers, which were installed on 120 AAR vehicles, allow the fleet manager to program the maximum vehicle road speed for the fleet without affecting maximum engine output. Test results are expected in June 2009.

#### Customer Injury Rate\*

Per million customers						
New York City Transit						
Subway	3.15	3.13	3.01	3.27	3.16	
Bus	1.53	1.49	1.67	1.37	1.47	
Long Island Rail Road	5.08	4.77	5.34	6.68	6.11	
Long Island Bus	1.72	1.32	1.12	1.00	1.43	
Metro-North Railroad	4.23	3.00	3.04	3.43	3.13	
Bridges and Tunnels†	1.20	1.20	1.13	1.13	0.95	
MTA Bus	—	—	2.18	2.37	2.23	
	2004	2005	2006	2007	2008	

\* Some figures are amended from prior years based on additional information from operating agencies.

† Vehicle accidents with injury per 1 million vehicle crossings.

#### Lost-time and Restricted-duty Injury Rate\*

Per 200,000 work hours					
New York City Transit†	2.85	2.95	2.65	2.68	2.39
Long Island Rail Road	2.74	3.40	2.78	2.35	2.05
Long Island Bus§	2.40	4.04	3.05	4.85	2.70
Metro-North Railroad	3.51	2.49	2.08	2.08	1.20
Bridges and Tunnels§	2.20	2.70	2.80	2.50	2.90
MTA Bus†	—	—	7.33	6.71	6.70
	2004	2005	2006	2007	2008

\* Some figures are amended from prior years based on additional information from operating agencies.

† NYC Transit and MTA Bus measure lost-time and restricted-duty injury rates on an equivalent “per 100 employees” basis.

§ Figures for Long Island Bus and Bridges and Tunnels reflect lost-time injuries only.

## Employee Safety

Following the death of two track workers in 2007, NYCT began working closely with the Transport Workers' Union to review and enhance workplace safety and training through a Joint Track Safety Task Force. Monthly meetings continued through 2008, and Safety Stand Downs were conducted for track personnel and train operators to reinforce the Task Force recommendations.

Revised training programs included respiratory protection, track safety, hearing conservation, flagging, personal protective equipment, confined spaces safety, and lockout/tagout (related to the release of hazardous energy or the startup of equipment).

Refresher classes in track safety and track flagging were introduced in 2008, along with security awareness training. Subway employees will participate in these throughout their careers at NYCT.

The electrical and infrastructure divisions replaced incandescent track flagging lanterns with light-emitting diode (LED) models, providing greater illumination and longer battery and bulb life. The track division will replace their inventory of flagging lanterns in 2009.

To understand accidents better, Transit created a "near miss" audit program that examines accidents that almost, but did not, happen and would have gone unreported. It is a significant tool in combating unsafe work practices and reducing the risk of employee accidents.

During 2008, Metro-North improved the effectiveness of key components of its Priority One safety program by introducing a new team approach to safety audits and a job safety briefing program. The initiatives involved all supervisors making personal contact with each of their employees and discussing what responsibilities each has to ensure a safe work environment. Supervisors in most major operations areas participated in Safety Program Review sessions that stressed their importance to the overall mission of providing employees with a safe and healthy work environment.

Location Safety Officers (long in place at NYCT) were assigned to cover all MTA Bus and Long Island Bus depots, long a practice at NYCT. The LSOs provide a contact person for managers and staff to raise issues of safety, security, and quality of life.

At MTA Bridges and Tunnels, quarterly meetings are held to review performance by facility and identify safety



improvement strategies including physical modifications and directed enforcement efforts, truck safety checks, ongoing and targeted speed and weight enforcement, and safety messages on variable message signs.

During 2008, the agency installed new Variable Message Signs (VMS) to improve customer safety and service by providing information about traffic and weather conditions. Part of an ongoing replacement and modernization program, four of the signs were installed at the Brooklyn Battery Tunnel, one at the Verrazano-Narrows Bridge and two at the Queens Midtown Tunnel.

The addition of these various signs increases safety by providing a way for the facilities to communicate important information to travelers, including accidents, Amber Alerts, regional events, and weather-related restrictions. In this way, customer service is improved when the signs are used to provide valuable information such as travel times and delays.

*Strategic Priority: Developing and implementing policies and innovative projects designed to reduce and manage the MTA's ecological footprint in all of its dimensions – greenhouse gases, water, waste, and other resource use – and to ensure that the management of the MTA's footprint creates healthier, more productive environments for MTA customers and employees while lowering the life-cycle costs of MTA assets.*

From September 2007 through December 2008, the Blue Ribbon Commission on Sustainability and the MTA, developed nearly 100 recommendations for greening the MTA's infrastructure and the MTA's 5,000-square-mile region, including New York City, the lower Hudson Valley, Long Island, and southern Connecticut. The Commission identified promising technologies, strategies, and goals to make the daily operations and capital projects of each agency more sustainable in the use of energy, water, and other resources. A synopsis of the recommendations in the final report was released on January 8, 2009. Its recommendations will enable MTA agencies to reduce and manage their ecological footprint and do their part to meet the global goal of cutting greenhouse gases 80 percent by 2050. All MTA agencies, in projects large and small, of broad scope or pinpointed, are participating in implementing the Commission's recommendations.

The high mode-share of rapid transit in the MTA service area makes the New York metropolitan region one of the lowest per-capita greenhouse gas (GHG) emitting regions in the country: the average New York City resident's carbon footprint is about a quarter of the average American's.

While many understand the pivotal role that transit networks like the MTA play in reducing a region's carbon footprint, the Commissioners recommended that the MTA, along with other transit agencies in North America, take appropriate steps to quantify, verify, and, over time, monetize their contribution to avoiding the emission of CO<sub>2</sub>. With this in mind, the MTA became a founding member of the Climate Registry in May because the MTA knew it would need independent, third-party verification of its CO<sub>2</sub> footprint as Congress and the White House move closer to deciding whether the nation will create a carbon tax or a cap-and-trade system to reduce GHGs emitted by the United States. The Commission also relied on the econo-

mist David Lewis to quantify the economic development benefits of greening the MTA and its region in terms of additional jobs, income, economic output, and the economic upside of cutting the region's dependence on foreign oil.

## Transit-Oriented Development

Transit-oriented development (TOD) is a forward-looking effort to cluster mixed-use development around a transit hub to provide maximum sustainability benefits for communities and business by encouraging use of public transportation and thereby reducing vehicle miles traveled and demand for parking.

MTA Long Island Rail Road and the Town of Hempstead are working together to redevelop a 10-acre area near LIRR's West Hempstead Station with a mix of residential development, retail, commuter parking, and open space. LIRR will contribute a 0.97-acre parcel that will bring the housing density within the Town's limits. Trammell Crow Residential is in contract to purchase the Courtesy Hotel to build an upscale four-story, 150-unit rental apartment building with two levels of underground parking, a landscaped courtyard, clubhouse, and pool.

The town of Bay Shore has created a mixed-use environment of newly reoccupied stores and affordable housing complexes in a TOD surrounding the LIRR's station. In conjunction with this renaissance, the LIRR is installing a new pedestrian overpass, closing the existing underpass, making renovations to the south-side shelter building, and replacing lighting under the north-side canopy. The renovation of the station building's waiting room will make



the bathrooms and entrance ADA-compliant by project completion in early 2010.

The Town/Village of Harrison and MTA Metro-North Railroad hosted a public open house to discuss a proposed downtown revitalization and TOD project at Harrison Station. This joint effort involves redevelopment of the commuter parking lots and major improvements to station access and parking capacity. The proposal includes potential residential, retail, and municipal uses, pedestrian plazas, and a parking garage as well as streetscape improvements. This is the second TOD project co-sponsored by Metro-North. In 2007, a TOD process was launched at the Beacon train station when MNR issued a Request for Expressions of Interest.

### **Building Green**

MTA Capital Construction, with the operating agencies, drafted Green Construction Specifications and continued to incorporate sustainable designs and construction practices in all its projects, including energy-saving measures such as stations designed for maximum daylighting, aluminum third rails (which have less electrical resistance than steel), demand-controlled escalators, LED lighting in the tunnels, efficient lighting technologies in station areas, and Energy Star equipment.

Under the MTA's Environmental Performance Commitments – which formally incorporate green building practices into the construction process – contractors have been recycling 85 percent of their construction waste, finding beneficial re-uses of tunnel spoils, and making an effort to meet material conservation goals outlined in contract specifications. Construction equipment operates with ultra-low-sulfur diesel fuel and diesel engines are retrofitted with the best available technology to reduce emissions. The demolition contract of the future Fulton Street Transit Center used green practices to comply with the Leadership in Energy and Environmental Design (LEED) certification requirements.

The success of the New Corona Rail Maintenance Shop, MTA NYC Transit's first LEED-certified building, spurred Transit to commit to making the Mother Clara Hale Bus Depot a LEED project. Transit is providing lessons learned to LIRR for LIRR's Morris Park Diesel Locomotive Shop/Employee Facility LEED project, and through internal training and new hiring, Transit increased the number of LEED-Accredited Professionals on Capital Project

Management staff by six, making a total of seven LEED APs in CPM.

The new Mother Clara Hale Bus Depot in Harlem and the Church Avenue Interlocking Relay Room projects are both slated for U.S. Green Building Council LEED Certification status. The first Community Design Charrette (collaborative design session) for this project was held to support sustainable communities in New York City. The dialogue with the community is continuing through a dedicated webpage, community meetings, and other venues.

Transit also replaced 17 roofs to increase building life and decrease maintenance and energy costs. Potential alternatives developed in a study commissioned to analyze on-site energy generation (solar photovoltaic cells and wind turbines) using the new green roof project at MTA Bus's Far Rockaway bus depot are being reviewed and recommendations will be finalized.

### **Fuel Management**

Transit upgraded the boiler burners and controls at Coney Island Subway Yard to burn the significantly cleaner #2 heating oil rather than #6 oil and benefit from the increased efficiency of newer burners and controls plus remote monitoring capability. The burners at Pelham, Maspeth, and Jerome, which previously burned #4 heating oil, were also upgraded to #2 oil.

Biodiesel fuel can cut greenhouse-gas emissions as well as ordinary pollutants (particularly soot) by replacing petroleum diesel fuel. An evaluation of the use of biodiesel fuel in buses was successfully completed at the West Farms and College Point depots. By the end of 2008, eight NYCT Bus and MTA Bus depots were using 5 percent (B5) biodiesel transportation fuel.

An Eco-Driving Program, implemented as part of new bus operator and annual refresher training, included techniques to help improve fuel economy. The bus agencies continue purchasing hybrid diesel-electric buses; 121 were delivered in 2008, for a total of 945 in the MTA-wide fleet. All buses purchased are clean-air: hybrid diesel-electric, CNG, or clean-air diesel.

All MTA Bridges and Tunnels fueling sites were switched to B20 (a blend of 20 percent biodiesel and 80 percent ultra-low-sulfur diesel fuel) in April 2008. B20 will be used in all diesel-powered vehicles; it can be stored and dispensed in exactly the same way as petroleum diesel fuel with no diesel vehicle modifications. Several



Green lighting uses less energy.

vehicles were replaced as part of the 2008 Fleet Procurement Plan with alternative fuel E-85 and hybrid models. Bridges and Tunnels continues to exceed the Governor's executive order mandating replacement of light-duty vehicles with vehicles that operate on alternative fuels.

The eleven original boilers in Bridges and Tunnels' Fleet Operations garage were replaced with two new high-efficiency units that will provide more heat and cost less to operate.

### Managing Waste

Each year, NYCT disposes of about 100,000 tons of unwanted material in a safe, cost-effective, and environmentally responsible manner. In 2007, its overall recycling rate was 63 percent (58,350 tons of material out of the 91,952 tons of unwanted material generated from NYCT operations), its previous best recycling rate. In 2008, Transit's overall recycling rate was even better, increasing to about 71 percent (77,949 tons of material out of 109,297). Stickers advising the riding public of MTA efforts to recycle all of the passenger-generated trash were placed on the trashcans throughout the subway system. A paper recycler rather than a trash hauler is being used to dispose of recyclable materials, eliminating the need to pay for this service.

Transit's second artificial reef project used retired B Division (lettered lines) subway cars as artificial reef material on federally permitted ocean reef sites in New Jersey, Delaware, Maryland, Virginia, South Carolina, and Georgia. Recycling subway cars as artificial reefs is ener-

gy-neutral and environmentally friendly. Since January 2008, 697 subway cars have been used to create rich marine habitats along the coastal waters of the Atlantic States Marine Fisheries Region.

All of NYCT's obsolete electronic equipment is recycled by licensed, NYSDEC-approved contractors in an environmentally appropriate manner. All computer-related components are disassembled, ensuring that no security sensitive or proprietary information is compromised. This program has been extended to MTA Headquarters, MTA Bridges & Tunnels, MTA Capital Construction, MTA Bus, and the commuter railroads.

Transit installed electronic monitoring devices in three compactors that automatically signal the contractor to pick up when waste volume reaches an optimum capacity, reducing pick-ups from the previously used pre-arranged schedule. A cost analysis indicates that disposal costs can be reduced by as much as \$18 per ton by using electronic monitoring in all NYCT compactors. Over the course of a year, this initiative is expected to save \$158,000 with an 18-month pay back on the cost of installation.

Mandating that contracts incorporate a waste management specification and increasing employee awareness and improving contractors' reporting have increased the recycling of construction and demolition debris in the past three years in all Transit construction projects that include demolition activities. All Transit purchase requisitions for goods and services related to material disposal are now centrally reviewed to ensure that NYCT's procurements take advantage of economies of scale, are not duplicating services, and facilitate interchangeability throughout the disposal system.

The agencies also made strides in handling of water and other liquids. Transit's filtration system for the 207th Street Shop air conditioner condenser, which allows the A/C wash water to be disposed of in the sewer instead of as non-hazardous waste, began operating in the latter part of 2008. MTA Metro-North Railroad's new eco-friendly Highbridge Car Appearance Facility in the Bronx washes train cars using 200 gallons of reclaimed "dirty water" and just 80 gallons of fresh water per minute. The facility uses a closed water system that reclaims 100 percent of wash water (gray water) after it is recycled through a series of recovery skimmers and settling tanks. The only fresh water used during the entire wash cycle is for the final rinse.



The MTA's bus agencies reduced the generation of waste antifreeze by 50 percent with improved maintenance practices and a better coolant filter technology.

Bridges and Tunnels implemented a "three-bin" recycling program to help reduce mixed waste and better document the volume of recyclable waste generated at each facility.

### Green Initiatives

The bus agencies completed a pilot of nitrogen-inflated tires at the Spring Creek, Flatbush, Fresh Pond, Jackie Gleason, and Ulmer Park depots for about 18 percent of the MTA-wide fleet to determine whether nitrogen aids retention of optimal tire pressure, improves fuel economy, and prolongs tire life. A pilot is underway at the East New York depot as well.

A new coordinated compliance program ensures that NYCT procures and uses cleaning products that minimize the potential impacts to human health and the environment. Most of Transit's facility and janitorial cleaning products are being replaced with products from the current list of OGS-approved cleaning products and the Green Seal and Environmental Choice preferred list. Bridges and Tunnels crews began using new environmentally friendly "green" cleaning products that are automatically diluted to the proper concentrations through a specially designed dispensing unit.

Transit's paper reduction program focuses on programming copiers and printers to print on both sides, using e-mail instead of hard copies, and limiting the printing of non-operational information and notices. Over 725 photocopiers were re-programmed to print on both sides of the paper when multiple sheets are used. Paper usage decreased by 2.8 percent, from 370,676 to 360,405 reams from August, when the program began, to the end of the year.

### Energy Efficiency

The Smart Fleets Task Force, composed of senior rail and subway car designers from all three rail agencies, identified opportunities to reduce traction power consumption, ranging from reducing the weight of the car bodies to enhanced harvesting of regenerative braking power. Use of light-weight composite flooring for rail and subway cars is under implementation. Other, more structural, recommendations are being actively studied for implementation.

All incandescent bulbs – over 65,000 of them – in the signal fixtures of the subway system have been replaced with longer-lasting and energy-efficient LED lights that use 6,000 fewer mega-watt hours of electricity annually and produce fewer CO<sub>2</sub> emissions and less waste.

In Grand Central Terminal, Metro-North converted the bare incandescent light bulbs to environmentally sustainable compact fluorescent lamps (CFLs) that closely mimic the shape of the old incandescent bulbs. The 1,700 CFLs installed throughout the public areas of the terminal should save more than \$100,000 a year on utility bills and more than 100,000 kilowatt hours in electricity. And because these bulbs last up to 10 times longer than incandescent bulbs, the railroad will save thousands of dollars on replacement costs.

Metro-North began work with the New York Power Authority (NYPA) to install high-efficiency energy-saving overhead light fixtures in its largest material distribution building in Harmon Yard. This should yield an annual energy saving of 178,000 kilowatt hours and \$16,000 a year. Metro-North and NYPA are also working together in Harmon on the purchase of "green" rechargeable electric forklifts.

At Bridges and Tunnels lighting crews installed the first new LED fixtures at the Verrazano-Narrows Bridge, replacing the current mercury vapor fixtures on the necklace lighting cables. This reduced the electrical power required by the necklace lighting by 73 percent annually and resulted in longer lasting light and lower maintenance cost. Replacement of the remaining fixtures will be completed by mid-2009.

Fluorescent light fixtures were replaced in the six stairways of the Robert F. Kennedy Bridge Bronx and Manhattan service buildings with high-efficiency bi-level units under the MTA's Energy Conservation agreement with NYPA.

Bridges and Tunnels held the first peak load management (PLM) event of 2008 in June. This conservation program involves voluntary reduction of power via generators during peak demands on the regional power system. All generators covered under the PLM program were run as required by NYPA.



**Metropolitan Transportation Authority**

New York City Transit  
Long Island Rail Road  
Long Island Bus  
Metro-North Railroad  
Bridges and Tunnels  
Capital Construction  
Bus Company



## The largest mass transit system in North America,

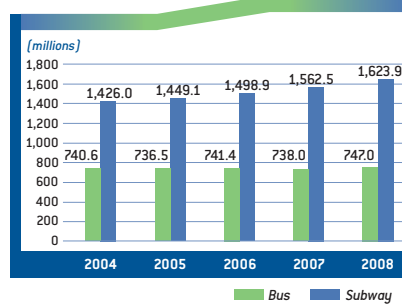
New York City Transit provides subway, rail, bus, and paratransit services to the growing population of New York City's five boroughs, suburban commuters, and millions of tourists. The system's 26 subway lines and nearly all of its 243 bus routes operate 24 hours a day, seven days a week.



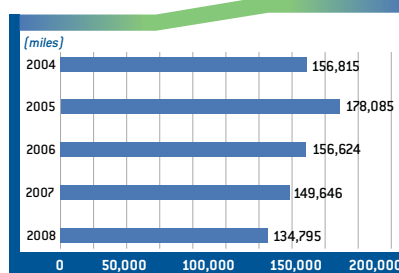
## 2008 Statistics

Ridership	2.4 billion
Average weekday ridership	7.6 million
Number of employees	49,009

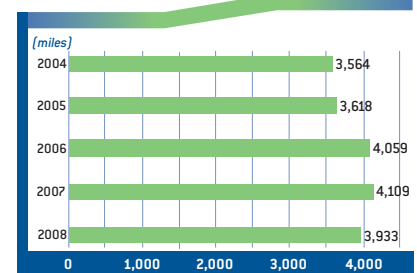
### Annual Ridership



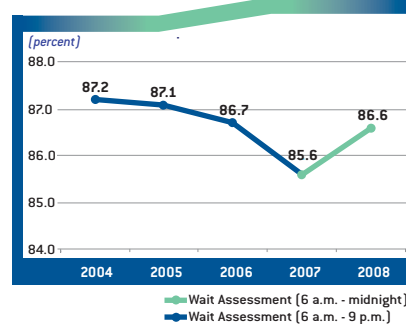
### Mean Distance Between Failures — Subways



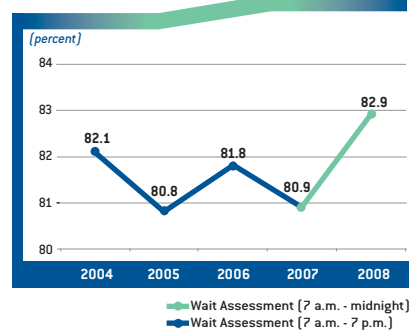
### Mean Distance Between Failures — Buses



### Subway Wait Assessment



### Bus Wait Assessment



## Measuring on-time performance gains

Although NYC Transit tracks on-time performance to bus and subway terminals, in order to measure the customer experience the agency also uses Wait Assessment measures. Recognizing that most riders do not travel to terminal points; traveling instead to and from the city's central business districts, Transit monitors how long customers wait for a subway or bus to arrive by comparing the intervals between trains to the scheduled intervals (allowing an additional two minutes between subways and four between buses). For example, if a train is due every four minutes at a station, if customers must wait longer than six minutes trains are considered late. Until 2008, Transit tracked Wait Assessment only during daytime hours (6 a.m. to 9 p.m. on subways, 7 a.m. to 7 p.m. on buses). In 2008, the time periods were modified to track travel between 6 a.m. and midnight for subways and between 7 a.m. and midnight for buses. (Figures for 2007 and 2008 reflect the new time periods.)



## Long Island Rail Road is the largest commuter railroad in America.

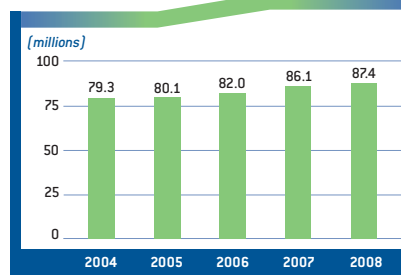
Its 11 lines extend from three major New York City terminals – Penn Station, Flatbush Avenue, and Hunterspoint Avenue – through a major transfer hub at Jamaica to the easternmost tip of Long Island. Along these extensive routes, passengers have access to service at 124 stations over 319 route miles.



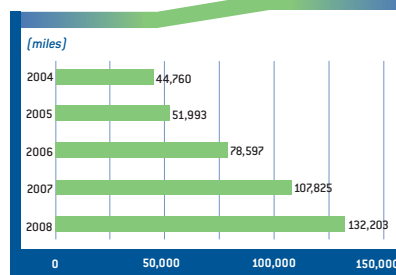
### 2008 Statistics

Ridership	87.4 million
Average weekday ridership	302,583
Number of employees	6,806

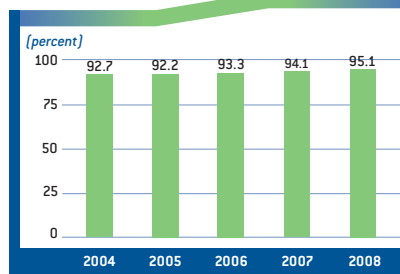
Annual Ridership



Mean Distance Between Failures



On-time Performance\*



\* Arrivals within 5 minutes, 59 seconds of schedule

## Record on-time performance

In 2008, Long Island Rail Road improved its on-time performance by a full percentage point, or 2,500 fewer late trains over the course of the year. On-time performance improved in all categories, with the largest gain of 3 percent during the PM peak. Getting that many more trains to their terminals on time is an agency-wide effort. It requires rail cars that are well maintained and don't break down during their runs; track that is inspected frequently for cracks so that minor problems don't escalate into major repair issues; power supplies that continue uninterrupted; signals, crossing gates, and switches, that operate with a minimum of breakdowns; and unwavering attention to hundreds of other details at the Movement Bureau, which manages all aspects of train operations 24/7, and at stations, towers, yards, shops, and offices. Customers have responded positively in the railroad's own Customer Satisfaction survey, where the rating for on-time performance reached 90 percent. The railroad's on-board service categories garnered record-high approval ratings, including courtesy of crew (95 percent), onboard safety (94 percent), overall comfort of trip (93 percent), and train interior maintenance (93 percent).



### Long Island Bus operates fixed-route and paratransit bus services

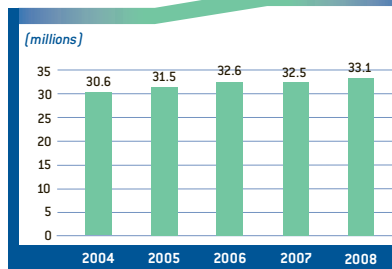
throughout Nassau County, providing links to 96 communities, 48 Long Island Rail Road stations, five New York City Transit subway stations, and numerous other destinations on Long Island and in the borough of Queens.



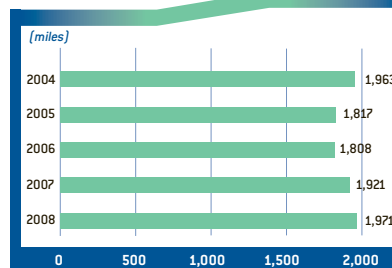
### 2008 Statistics

Ridership	33.1 million
Average weekday ridership	110,037
Number of employees	1,117

### Annual Ridership



### Mean Distance Between Failures\*



\* In 2008, LI Bus changed the method used to calculate mean distance between failures in order to conform with the method used by New York City Transit and MTA Bus. The agency also recalculated its 2007 figure to provide a basis for comparison. Data for prior years is not available; figures from 2004-2006 continue to represent the older formula.

## Keeping Older Buses Reliable

As bus fleets age, keeping buses on the road to carry passengers becomes more challenging. Long Island Bus, which last purchased new buses in 2004, has worked hard to maintain its mean distance between failures at a consistent level. MDBF is a key performance measure that tracks the agency's ability to provide uninterrupted service to customers.



## Metro-North Railroad serves seven counties

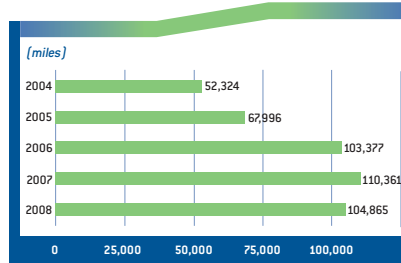
in New York State and two counties in Connecticut with 120 stations across 383 route miles. Its East-of-Hudson lines – Hudson, Harlem, and New Haven – operate out of Grand Central Terminal and its West-of-Hudson lines – Port Jervis and Pascack Valley – operate through New Jersey with a connection at Secaucus for service into Penn Station.



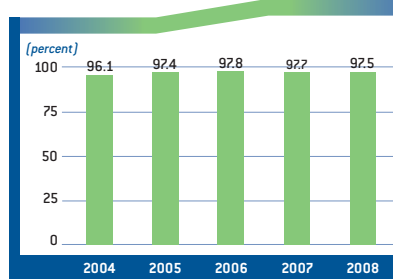
### 2008 Statistics

Ridership	83.6 million
Average weekday ridership	287,119
Number of employees	5,917

#### Mean Distance Between Failures

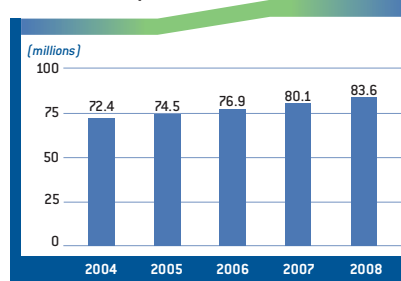


#### On-time Performance\*



\* Arrivals within 5 minutes, 59 seconds of schedule.

#### Annual Ridership



## Impressive ridership gains

Metro-North ridership was up more than 4 percent in 2008. The rail service, which regularly serves more than 85 percent of commuters from New York City’s northern suburbs (the remainder travel by car, bus, or ferry). The success of Metro-North’s service-oriented philosophy is reflected in the railroad’s 2008 Customer Satisfaction rating of 94 percent among peak and off-peak customers, up from a 93 percent rating in 2007 and the fourth consecutive year of improvement. Half of the customers surveyed declared themselves “very satisfied” with Metro-North overall, a 4 percent increase over the previous year. Driving customer satisfaction is the railroad’s strong on-time performance, which has not fallen below 96 percent for at least the past decade, acquisition of new rolling stock and maintenance and rehabilitation programs that have increased the number of rail cars in service, improved customer communications, and expanded service.



## Bridges and Tunnels operates seven bridges and two tunnels,

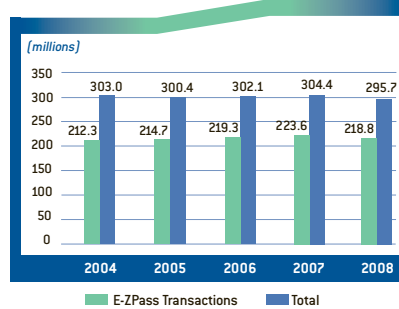
serving more than 825,000 vehicles carrying more than a million people each day in the New York metropolitan area. The largest among the nation's bridge and tunnel toll authorities in terms of traffic volume, the agency provides surplus toll revenues that help support MTA transit and commuter rail services.



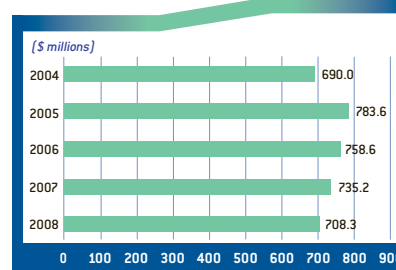
### 2008 Statistics

Crossings	295.7 million
Average weekday crossings	833,134
Number of employees	1,775

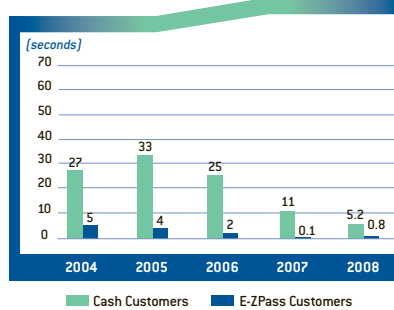
### Annual Crossings



### Support to Mass Transit



### Queue Waiting Time During Peak Hours\*



\* Measures median waiting time, which is the most accurate depiction of customer experience.

## No more waiting

The past decade has seen the nearly impossible happen: the virtual end of lines at the toll booths operated by Bridges and Tunnels. With more than 75 percent of drivers using E-ZPass, lines at the toll booths have nearly disappeared, not only for E-ZPass holders, whose wait time is now measured in tenths of a second, but for cash customers as well. In 1999, for example, the average wait for a cash paying customer was nearly two minutes, which meant during rush hours waits could be even longer.

### Capital Construction is the MTA's construction management company

for expansion projects and system-wide security projects. Construction is underway on five major projects – East Side Access, Second Avenue Subway, 7 Line Extension, Fulton Street Transit Center, and South Ferry Terminal – with total costs projected at more than \$14 billion.



#### 2008 Statistics

Number of employees 129

#### Mega-Projects Status

East Side Access – Tunnel boring machines (TBMs) digging under Park Avenue

Second Avenue Subway – Began construction of TBM launch box, relocating utilities under Second Avenue between 92nd and 95th streets

7 Line Extension – Constructed TBM launch box at 11th Avenue and 25th Street and began work at other sites

#### Expansion Projects Progress, 2000 – 2008\*

(\$ millions)

	Commitments	Expenditures	Completions
East Side Access†	2,747.77	1,432.15	234.92
Second Avenue Subway	985.64	573.73	232.24
7 Line Extension	1,411.60	506.24	43.60
Fulton Transit Center	624.25	517.86	289.24
South Ferry Terminal	488.63	467.27	9.00

#### Expansion Projects Progress, 2008\*

(\$ millions)

	Commitments	Expenditures	Completions††
East Side Access†	157.69	275.36	34.71
Second Avenue Subway	13.20	144.06	—
7 Line Extension	31.00	393.07	—
Fulton Transit Center	96.48	71.91	188.54
South Ferry Terminal	17.50	96.21	—

\*Excludes MTA security-related projects.

†East Side Access figures include amounts attributable to the 1995-1999 Capital Program.

††Project completion amounts are registered when a project is declared "substantially completed" as defined by contract.

## Moving projects forward

All MTA mega-projects are under construction – with activity at both street level and underground. A significant milestone was reached in 2008 when the tunnel boring machines digging under Park Avenue reached the cavern that will be transformed into a new Long Island Rail Road terminal below Grand Central Terminal, creating direct commuter rail service from eastern Queens and Long Island to Manhattan's East Side central business district. The machines were then backed up to begin additional excavation that will ultimately complete a network of crossovers and tunnels that lead to the new eight-track terminal station and four tail tracks.



### MTA Bus was created in September 2004

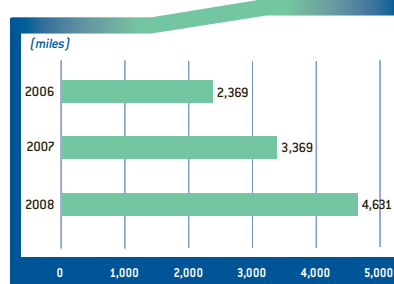
to assume the operations of seven bus companies that had franchises granted by the New York City Department of Transportation. The agency has 46 local routes in the Bronx, Brooklyn, and Queens, and 35 express bus routes between Manhattan and the Bronx, Brooklyn, and Queens, covering 893 route miles. Its fleet of more than 1,350 buses is the 10th largest in the United States and Canada.



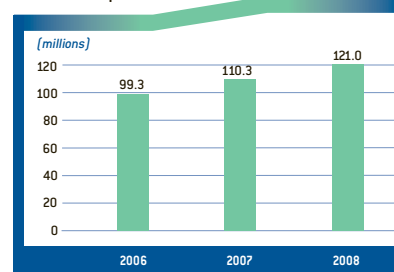
### 2008 Statistics

Ridership	121.0 million
Average weekday ridership	398,261
Number of employees	3,322

Mean Distance Between Failures



Annual Ridership



## Growing ridership

In just three years of providing substantial service, MTA ridership has experienced significant growth. In 2008 MTA Bus ridership grew 9.76 percent, more than twice the growth rate of any other MTA agency, and in the past two years ridership has grown 21.9 percent. Key factors are service reliability, including improved bus maintenance and the replacement of a significant portion of the oldest buses in the fleet, and improved schedules.



Comprehensive Annual

# FINANCIAL REPORT

for the years ended December 31, 2008 and 2007

Metropolitan Transportation Authority,  
a component unit of the State of New York

Prepared by Department of Budgets and Financial Management

# Table of Contents

## **Introductory Section**

- 2 Letter of Transmittal
- 6 Certificate of Achievement for Excellence in Financial Reporting
- 7 MTA Organizational Structure

## **Financial Section**

- 11 Independent Auditors' Report
  - 12 Management's Discussion and Analysis
  - 28 Consolidated Balance Sheets
  - 30 Consolidated Statements of Revenues, Expenses and Changes in Net Assets
  - 32 Consolidated Statements of Cash Flows
  - 34 Notes to Consolidated Financial Statements
  - 85 Required Supplementary Information: Schedule of Pension Funding Progress
  - 86 Supplementary Information: Schedule of Funding Progress for the MTA Postemployment Benefit Plan
  - 87 Supplementary Information: Schedule of Financial Plan to Financial Statements Reconciliation
  - 88 Supplementary Information: Consolidated Reconciliation between Financial Plan and Financial Statements
  - 89 Supplementary Information: Consolidated Subsidy Accrual Reconciliation between Financial Plan and Financial Statements

## **Statistical Section**

- 92 Statistical Tables and Charts
  - 92 Financial Trends
  - 94 Revenue Capacity
  - 96 Debt Capacity
  - 97 Demographic and Economic Information
  - 98 Operations
  - 102 2008 Operating Statistics
- 104 MTA Board and Agencies



# Introductory Section



347 Madison Avenue  
New York, NY 10017-3739  
212 878-7238 Tel

**Gary J. Dellaverson**  
Chief Financial Officer



## Metropolitan Transportation Authority

State of New York

April 22, 2009

Chairman and Members of the Board  
Metropolitan Transportation Authority

I hereby submit the Comprehensive Annual Financial Report ("CAFR") of the Metropolitan Transportation Authority ("MTA," the "Authority") prepared by the Comptroller's Office for the year ended December 31, 2008. Responsibility for both the accuracy of the enclosed data and the completeness and fairness of the presentation, including all disclosures, rests with the MTA. I believe that the data as presented are accurate in all material respects and that the information is presented in a manner designed to set forth fairly the financial position and results of operations of the MTA in accordance with generally accepted accounting principles. To the best of my knowledge, all disclosures necessary to enable the reader to gain an understanding of the MTA's financial affairs have been included. Additional information is contained in the Management's Discussion and Analysis beginning on page 12.

### **The Reporting Entity**

The MTA is the largest public transportation provider in the Western Hemisphere. Its agencies serve 14.8 million people spread over 5,000 square miles from New York City through Long Island, southeastern New York State, and Connecticut. MTA agencies move more than 2.6 billion rail and bus customers a year.

A public benefit corporation chartered by the New York State Legislature in 1965, the MTA is

governed by a 17-member Board.\* Members are nominated by the Governor, with four recommended by New York City's mayor and one each by the county executives of Nassau, Suffolk, Westchester, Dutchess, Orange, Rockland, and Putnam counties. (Members representing the last four counties cast one collective vote.) The Board also has six rotating non-voting seats, three held by members of the Permanent Citizens Advisory Committee ("PCAC"), which serves as a voice for users of MTA transit and commuter facilities, and three held by representatives of organized labor. All Board members are confirmed by the New York State Senate.

The following table shows the legal and popular names:

<i>Legal Name:</i>	<i>Popular Name:</i>
New York City Transit Authority	MTA New York City Transit
Staten Island Rapid Transit Operating Authority	MTA Staten Island Railway
The Long Island Rail Road Company	MTA Long Island Rail Road
Metropolitan Suburban Bus Authority	MTA Long Island Bus
Metro-North Commuter Railroad Company	MTA Metro-North Railroad
Triborough Bridge and Tunnel Authority	MTA Bridges and Tunnels
MTA Capital Construction Company	MTA Capital Construction
MTA Bus Company	MTA Bus

For financial reporting purposes, the above agencies are blended with MTA headquarters (MTAHQ) for the combined financial statements because the oversight boards of each agency consist of the same members.

**Accounting and Budgetary Control**

Management of the MTA is responsible for establishing and maintaining an internal control structure to ensure that the assets of the MTA are protected from loss, theft, or misuse and ensure that adequate accounting data are compiled to allow for the preparation of financial statements in conformity with generally accepted accounting principles. Because the cost

\* The current board (as of April 28, 2009) includes 17 voting and 6 non-voting members.

of internal control should not exceed anticipated benefits, the objective of the controls is to provide reasonable, rather than absolute, assurance that the financial statements are free of any material misstatements.

*Basis of Accounting* The MTA prepares its financial statements using the accrual basis of accounting. The activities of the MTA are similar to those of proprietary funds of local jurisdictions and are therefore reported in conformity with governmental accounting and financial reporting principles issued by the Governmental Accounting Standards Board (“GASB”).

*Budgetary Controls* The MTA maintains budgetary procedures in order to ensure compliance with the annual operating budgets approved by the MTA’s Board. It is the responsibility of each office to administer its operation in such a manner as to ensure that the use of funds is consistent with the goals and programs authorized by the Board and that approved levels are not exceeded.

*Cash Management* The MTA’s investment policies comply with the New York State Comptroller’s guidelines. These policies permit investments in, among others, obligations of the U.S. Treasury and its agencies and instrumentalities, and repurchase agreements secured by such obligations.

### **Independent Audit**

The accounting firm of Deloitte & Touche LLP performed the annual audit of the financial records of the MTA in accordance with generally accepted auditing standards. The report of the independent auditors on the financial statements of the MTA is included in the Financial Section of this CAFR.

### **Awards**

The Government Finance Officers Association (“GFOA”) awarded a Certificate of Achievement for Excellence in Financial Reporting to the MTA for its 2007 annual report. This was the 12th consecutive year the MTA received this award. In order to be eligible for a Certificate of Achievement, the MTA published an easily readable and efficiently organized comprehensive annual financial report. This report satisfied both generally accepted

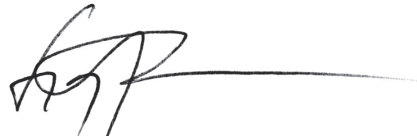


accounting principles and applicable legal requirements. A Certificate of Achievement is valid for a period of one year only. We believe that our current comprehensive annual financial report continues to meet the Certificate of Achievement Program's requirements and we are submitting it to the GFOA to determine its eligibility for another certificate.

**Acknowledgments**

The preparation of the comprehensive annual financial report on a timely basis was made possible by the dedicated service of the director of Financial Management and the entire staff of the Comptroller's Office. Each member of the office has our sincere appreciation for the contributions made in the preparation of this report.

Sincerely,

A handwritten signature in black ink, appearing to read 'GJD', followed by a long horizontal line extending to the right.

Gary J. Dellaverson  
Chief Financial Officer

# Certificate of Achievement for Excellence in Financial Reporting

Presented to

## Metropolitan Transportation Authority, New York

For its Comprehensive Annual  
Financial Report  
for the Fiscal Year Ended  
December 31, 2007

A Certificate of Achievement for Excellence in Financial Reporting is presented by the Government Finance Officers Association of the United States and Canada to government units and public employee retirement systems whose comprehensive annual financial reports (CAFRs) achieve the highest standards in government accounting and financial reporting.

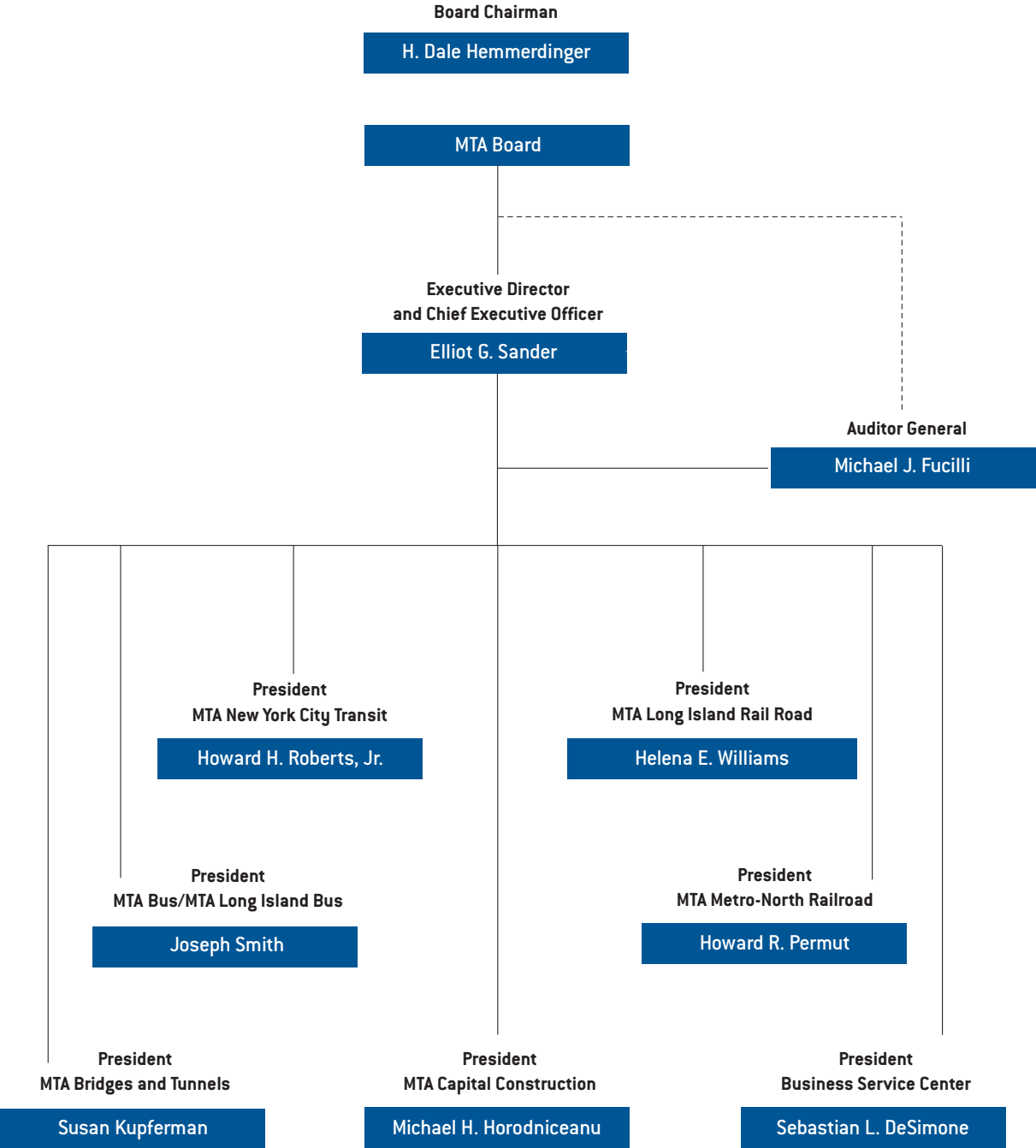


A handwritten signature in black ink, appearing to read "K. L. Rut".

President

A handwritten signature in black ink, appearing to read "Jeffrey R. Emsw".

Executive Director







**Financial Section**





# Deloitte.

Deloitte & Touche LLP  
Two World Financial Center  
New York, NY 10281-1414  
USA

Tel: +1 212 436 2000  
Fax: +1 212 436 5000  
www.deloitte.com

To the Members of the Board of  
Metropolitan Transportation Authority

We have audited the accompanying consolidated balance sheets of the Metropolitan Transportation Authority (the "MTA"), a component unit of the State of New York, as of December 31, 2008 and 2007, and the consolidated statements of revenues, expenses and changes in net assets, and consolidated cash flows for the years then ended. These consolidated financial statements are the responsibility of the MTA's management. Our responsibility is to express an opinion on these consolidated financial statements based on our audits. We did not audit the financial statements of the New York City Transit Authority ("MTA New York City Transit"), Staten Island Rapid Transit Operating Authority ("MTA Staten Island Railway"), and the Metropolitan Suburban Bus Authority ("MTA Long Island Bus"), which represent 56 percent and 56 percent, and 40 percent and 42 percent, of the assets and revenues of the MTA, respectively, as of and for the years ended December 31, 2008 and 2007. Those financial statements were audited by other auditors whose reports thereon have been furnished to us, and our opinion, insofar as it relates to the amounts included for MTA New York City Transit, MTA Staten Island Railway and MTA Long Island Bus, is based solely on the reports of the other auditors.

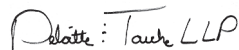
We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement. An audit includes 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 MTA'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 respective consolidated financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall consolidated financial statement presentation. We believe that our audits and the reports of other auditors provide a reasonable basis for our opinion.

In our opinion, based on our audits and the reports of other auditors, such consolidated financial statements present fairly, in all material respects, the financial position of the MTA, as of December 31, 2008 and 2007, and the results of its operations and its cash flows for the years then ended in conformity with accounting principles generally accepted in the United States of America.

As described in Note 2 to the consolidated financial statements, in 2008, the MTA adopted Governmental Accounting Standards Board Statement ("GASB") No. 49, *Accounting and Financial Reporting for Pollution Remediation Obligation*.

The Management's Discussion and Analysis on pages 12 through 27, the Schedule of Pension Funding Progress on page 85, and the Schedule of Funding Progress for the MTA Postemployment Benefit Plan on page 86 are not a required part of the basic consolidated financial statements, but are supplementary information required by the Governmental Accounting Standards Board. This supplementary information is the responsibility of the MTA's management. We and the other auditors have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of the supplementary information. However, we did not audit the information and express no opinion on it.

Our audits were conducted for the purpose of forming an opinion on the MTA's consolidated basic financial statements. The introductory section, statistical section, schedule of financial plan to financial statements reconciliation, schedule of consolidated reconciliation between financial plan and financial statements, and schedule of consolidated subsidy accrual reconciliation between financial plan and financial statements are presented for purposes of additional analysis and are not a required part of the basic consolidated financial statements. This supplementary information is the responsibility of the MTA's management. The introductory section, statistical section, schedule of financial plan to financial statements reconciliation, schedule of consolidated reconciliation between financial plan and financial statements, and schedule of consolidated subsidy accrual reconciliation between financial plan and financial statements have not been subjected to the auditing procedures applied in the audits of the basic consolidated financial statements and, accordingly, we express no opinion on them.



April 22, 2009

Member of  
Deloitte Touche Tohmatsu

## 1—Overview of the Financial Statements

### Introduction

This report consists of four parts: Management's Discussion and Analysis ("MD&A"), Consolidated Financial Statements, Notes to the Consolidated Financial Statements, and Supplementary Information.

### **Consolidated Financial Statements** include:

Consolidated Balance Sheets, which provide information about the nature and amounts of investments in resources (assets) and the obligations to Metropolitan Transportation Authority and its consolidated subsidiaries and affiliates (the "MTA Group") creditors (liabilities), with the difference between the two reported as net assets.

Consolidated Statements of Revenues, Expenses, and Changes in Net Assets, which provide information about the MTA's changes in net assets for the period then ended and accounts for all of the period's revenues and expenses, measures the success of the MTA Group's operations during the period, and can be used to determine how the MTA has funded its costs.

The Consolidated Statements of Cash Flows, which provide information about the MTA Group's cash receipts, cash payments and net changes in cash resulting from operations, noncapital financing, capital and related financing, and investing activities.

**Notes to the Consolidated Financial Statements** provide information that is essential to understanding the consolidated financial statements, such as the MTA Group's accounting methods and policies, details of cash and investments, employee benefits, long-term debt, lease transactions, future commitments and contingencies of the MTA Group, and information about other events or developing situations that could materially affect the MTA Group's financial position.

**Required Supplementary Information** provides information concerning the MTA Group's progress in funding its obligation to provide pension benefits and postemployment benefits to its employees.

**Management's Discussion and Analysis** provides a narrative overview and analysis of the financial activities of the MTA Group for the years ended December 31, 2008 and 2007. This management discussion and analysis is intended to serve as an introduction to the MTA Group's consolidated financial statements. It provides an assessment of how the MTA Group's position has improved or deteriorated and identifies the factors that, in management's view, significantly affected the MTA Group's overall financial position. It may contain opinions, assumptions, or conclusions by the MTA Group's management that must be read in conjunction with, and should not be considered a replacement for, the consolidated financial statements.



## 2—Financial Reporting Entity

The Metropolitan Transportation Authority ("MTA") was established under the New York Public Authorities Law and is a public benefit corporation and a component unit of the State of New York whose mission is to continue, develop, and improve public transportation and to develop and implement a unified public transportation policy in the New York metropolitan area.

### MTA Related Groups

- Headquarters ("MTAHO") provides general oversight, planning and administration, including budget, cash management, finance, legal, real estate, treasury, risk management, and other functions to the related groups listed below.
- The Long Island Rail Road Company ("MTA Long Island Rail Road") provides passenger transportation between New York City and Long Island.
- Metro-North Commuter Railroad Company ("MTA Metro-North Railroad") provides passenger transportation between New York City and the suburban communities in Westchester, Dutchess, Putnam, Orange, and Rockland counties in New York State and New Haven and Fairfield counties in Connecticut.
- Staten Island Rapid Transit Operating Authority ("MTA Staten Island Railway") provides passenger rail transportation on Staten Island.
- Metropolitan Suburban Bus Authority ("MTA Long Island Bus") provides public bus service in Nassau and Queens counties.
- First Mutual Transportation Assurance Company ("FMTAC") operates as a captive insurance company to provide insurance coverage for property and primary liability.
- New York City Transit Authority ("MTA New York City Transit") and its subsidiary, the Manhattan and Bronx Surface Transit Operating Authority ("MaBSTOA") provide subway and public bus service within the five boroughs of New York City.
- Triborough Bridge and Tunnel Authority ("MTA Bridges and Tunnels") operates seven toll bridges, two tunnels, and the Battery Parking Garage.
- MTA Capital Construction Company ("MTA Capital Construction") provides oversight for the planning, design, and construction of current and future major MTA system expansion projects.
- MTA Bus Company ("MTA Bus") operates certain bus routes in areas previously served by private bus operators pursuant to franchises granted by the City of New York.

# Management's Discussion and Analysis

Years Ended December 31, 2008 and 2007

(\$ in millions)

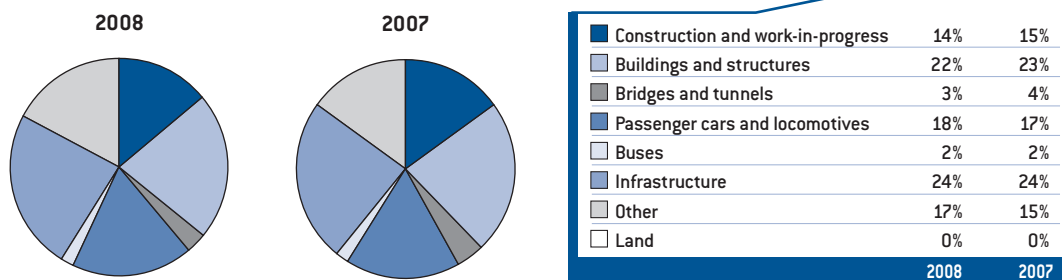
## 3—Condensed Financial Information

The following sections discuss the significant changes in the MTA Group's financial position for the year ended December 31, 2008. An analysis of major economic factors and industry trends that have contributed to these changes is provided. It should be noted that for purposes of the MD&A, the information contained within the summaries of the consolidated financial statements and the various exhibits presented were derived from the MTA Group's consolidated financial statements. All dollar amounts (except where otherwise expressly noted) are in millions.

### Total Assets, Distinguished Between Capital Assets, Net and Other Assets

	2008	2007	2006
Capital assets, net (see Note 6)	\$43,323	\$40,611	\$38,307
Other assets	10,134	11,158	11,778
<b>Total assets</b>	<b>\$53,457</b>	<b>\$51,769</b>	<b>\$50,085</b>

### Capital Assets, Net



### December 31, 2008 versus December 31, 2007

- Net capital assets increased at December 31, 2008 by \$2,712. The largest increase, \$1,560, occurred in other capital assets (which includes work trains, service vehicles, passenger stations and other equipment, excluding passenger cars and locomotives and buses), cars and locomotives, \$1,185; infrastructure, \$1,075; passenger buildings and structures, \$476; bridges and tunnels, \$83; acquisition of buses increased by \$67; construction in progress, \$35; and the acquisition of land increased by \$6. These increases were partially offset by additional accumulated depreciation of \$1,775. Some of the more significant projects contributing to the increase included:

#### MTA Long Island Rail Road

- Rehabilitation of the East River Tunnel, safety and substation improvements, ventilation projects and mainline corridor improvements.
- Improvements to MTA Long Island Rail Road's infrastructure road assets providing replacement of various tracks and branches at a cost of \$52.4 and upgrades to Queens interlocking which included the replacement of a relay-based signal system, reconfiguration of crossovers and modification of replacement of signal bridges for an additional cost of \$58.9.
- Upgrading of shops and yards such as Babylon, Long Island City and Richmond Hills.
- Continued work on signals and communication assets, with a number of projects nearing completion, such as the fiber optic network and various microprocessor signal projects.
- Rehabilitation of passenger stations, including the Atlantic Terminal Complex, Broadway, Seaford and Valley Stream with a total cost of \$28.
- Work on security projects, including hardening of Penn Station, Jamaica, and the 63rd Street Tunnel with an additional cost of \$26.3.

#### MTA New York City Transit

- Design and installation of a pilot Communications Based Train Control system on the Canarsie Line.
- Station rehabilitation at various locations on various lines, and the Fulton Street Transit Center for a total cost of \$963.
- Placement into service of 536 R160 subway cars and 113 buses during 2008 for a total cost of \$1,070.

Years Ended December 31, 2008 and 2007

(\$ in millions)

- Rehabilitation of line structures and subway tunnels.
- Design and construction of a new depot at the Grand Avenue Facility.

#### MTA Metro-North Railroad

- Parking and access improvement at Cortlandt.
- Hudson Line Station improvements in Cortlandt, Poughkeepsie, Ossining, Philipse Manor and Scarborough.
- Installation of chemical, biological, and radiological early detection equipment in Grand Central Terminal.
- On-going Yankee Stadium station construction.
- System-wide track replacement, train shed repairs and bridges rehabilitation.

#### MTA Bridges and Tunnels

- Rehabilitation of abutments, retaining walls and the replacement of the deck of the Throgs Neck Bridge.
- Rehabilitation of the electrical system on suspension spans at the Verrazano-Narrows Bridge, the lower deck replacement at the Henry Hudson Bridge, the replacement of all fans at the Queens Midtown Tunnel and rehabilitation of the roadway and drainage system at the Brooklyn Battery Tunnel.
- Replacement of all exhaust fans at the Queens Midtown Tunnel.
- Other assets had a net decrease of \$1,024. The items contributing to this change include, but are not limited to:
  - Increase in cash by \$76 primarily due to an increase of \$36 by MTAHQ related to increases in operating and capital cash funds available. Also affecting the cash position were increases of \$35 and \$10 by FMTAC and LI Bus respectively. The decline of \$5 by MTA Bridges and Tunnels offset the above increases.
  - Decrease in current and noncurrent investments and investments held under capital leases of \$778. The net decline of \$631 in investments was due to the usage of bond proceeds for capital and operating expenditures and the redemption of bonds (See Note 3 and 7). The net decline in leases of \$147 resulted from capital leases debt service payments and the termination of the QTE-1 lease with a termination loss of \$14.6 (See Note 8).
  - Increase in Capital Project receivable from Federal and State Government by \$100 due to an increase of Federal and State Grants requisitions in the amount of \$68, Nassau County of \$18 and a CDOT receivable of \$14 for M8 cars.
  - MRT Receivable decreased by \$23 due to a decline in revenues to be collected. This reflects the decline of the real estate market in New York City and the seven other counties within the MTA Group's service area.
  - Other subsidy receivable decreased by \$63. The decrease was due to the collection of receipts by the MTA New York City Transit from NYC for paratransit expenses.
  - Due from NYC declined by \$38 due to a more efficient collection method.
  - Increase in material and supplies \$33. The increase is to insure availability of parts and supplies for emergency needs.
  - Decrease in advances to defined benefit pension by \$100 was due to amortization of prepaid expenses and an unfunded liability.
  - Decrease of prepaid expense and other current assets by \$125. This resulted from a decrease at MTA New York City Transit in the amount of \$102, MTAHQ in the amount of \$32, offset by an increase of \$9 at LIRR. The MTA New York City Transit decrease was due to amortization of pension prepayment incurred in 2007, while the MTAHQ decrease was due to the amortization of insurance premiums paid in prior years. The increase at MTA Long Island Rail Road resulted from higher insurance premiums incurred in 2008.
- Decrease in other noncurrent assets of \$6. This was due primarily to a decrease of unrequisitioned funds for MTA New York City Transit and MTA Bus capital expenditures.

#### December 31, 2007 versus December 31, 2006

- Net capital assets increased at December 31, 2007 by \$2,304. The largest increase, \$1,035, occurred in other capital assets (which includes work trains, service vehicles, passenger stations, and other equipment, excluding passenger cars and locomotives and buses); infrastructure, \$860; construction in progress, \$700; passenger cars and locomotives, \$658; and buildings and structures, \$362. These increases were partially offset by additional accumulated depreciation of \$1,637. Some of the more significant projects contributing to the increase included:

## Management's Discussion and Analysis

Years Ended December 31, 2008 and 2007

(\$ in millions)

- Rehabilitation of the East River tunnel, including safety improvements and ventilation projects.
- Projects upgrading shops and yards and a new automated materials handling system in the Hillside Complex of MTA Long Island Rail Road.
- Milestone costs for construction, testing, and quality assurance of new electric passenger cars.
- MTA Long Island Rail Road signals and communication assets have continued to grow with a number of projects nearing completion, such as the fiber optic network and various microprocessor signal projects.
- Passenger station rehabilitations continue, including the Atlantic Terminal Phase II and Broadway station.
- MTA Long Island Rail Road security projects, including hardening of Penn Station, Jamaica, and the 63rd Street tunnel.
- MTA Long Island Rail Road placed into service an additional 34 new M-7 electric cars during the year and retired 8 M-1 electric cars.
- Improvements to MTA Long Island Rail Road's infrastructure road-assets continued under the 2007 Track Program that provided the replacement of various track elements and branches.
- Design and installation of a pilot Communications Based Train Control system on Canarsie Line.
- MTA New York City Transit station rehabilitation at various locations on various lines, and the Fulton Street Transit Center.
- MTA New York City Transit placed the following in service during 2007, R160 subway cars (294) and passenger buses (150).
- Elevated line structural rehabilitation and subway tunnel rehabilitation.
- Design and construction of a new depot at the Grand Avenue facility.
- Installation of chemical, biological, and radiological early detection equipment in Grand Central Terminal.
- Replacement of the deck at the Robert F. Kennedy and Bronx-Whitestone Bridges, including span replacement on the Bronx-Whitestone Bridge and rehabilitation of the electrical and mechanical systems at the Robert F. Kennedy Bridge. Also, the rehabilitation of the lower level approaches and suspended deck at the Verrazano-Narrows Bridge and the lower deck replacement at the Henry Hudson Bridge.
- Other assets had a net decrease of \$620. The items contributing to this change include but are not limited to:
  - A net decrease in current and non-current investments and investments held under capital leases of \$1,232 due to use of funds for capital expenditures, debt service payments on bond lease obligations, and operating expense.
  - A decrease of \$59 in State and regional mass transit taxes receivable for NYS Petroleum Business Tax Funds accrued receivable being uncollected, not yet received due to timing differences between the recording of revenue and the collection of such funds.
  - Cash decreased by a net \$25 primarily due to a decrease of \$40 by MTAHQ related to reductions in operating and capital cash funds available. Also affecting the cash position is MTA New York City Transit's decrease of \$3, FMTAC's increase of \$14, MTA Long Island Rail Road's increase of \$4, MTA Bridges and Tunnels' increase of \$4, and MTA Metro-North Railroad's reduction in cash of \$4.
  - Amounts due from NYC increased by \$73. This amount is due primarily to MTA Bus's receivable.
  - Station maintenance, operation, and use assessments increased by \$3. This is due to the amount accrued in 2007 for the various counties which was based on the prior year's bill.
  - Other subsidies receivable decreased by \$27 due to a decrease of \$34 at MTA Bus for various advance payments and an increase at MTA New York City Transit of \$7 for the urban tax subsidy receivable.
  - Advances to defined benefit pension decreased \$259 as a result of \$325 transferred to non-current assets, \$32 being amortized in the current year, and \$2 miscellaneous adjustment. Offsetting these decreases is an \$100 prepayment to the defined benefit pension plan.
  - Material and supplies increased by \$64. This increase is attributable primarily to increases at MTA New York City Transit of \$20, MTA Long Island Rail Road of \$19, and MTA Metro-North Railroad of \$20. The increase is to insure availability of parts and supplies for emergency needs.
  - Prepaid expense and other current assets increased by \$144 due mainly to prepaid rent, NYSLERS (defined below) and insurance premiums
  - Other non-current assets increased by \$604. This was due primarily to un-requisitioned funds for NYCT capital expenditures and for defined benefits pension assets that will be amortized over a future period. The increase was offset by miscellaneous decreases by other agencies.

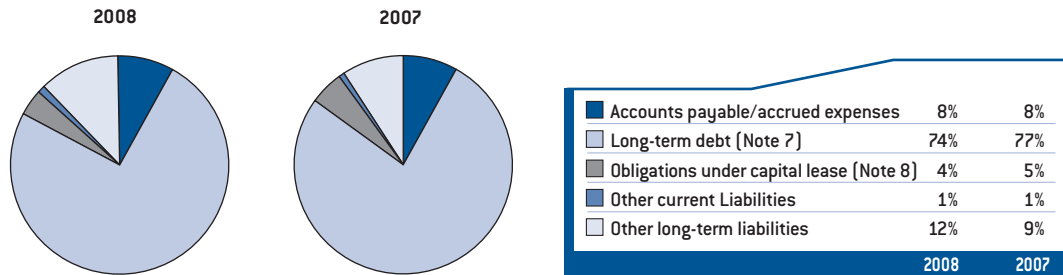
Years Ended December 31, 2008 and 2007

(\$ in millions)

## Total Liabilities, Distinguishing Between Long-Term Liabilities and Other Liabilities

	December 2008	December 2007	December 2006
Current liabilities	\$3,613	\$3,492	\$3,073
Long-term liabilities	31,510	28,980	27,649
<b>Total liabilities</b>	<b>\$35,123</b>	<b>\$32,472</b>	<b>\$30,722</b>

### Total Liabilities



### Significant Changes in Liabilities Include:

December 31, 2008 versus December 31, 2007

- Current liabilities increased by \$121. This net increase is due to an increase in accounts payable and accrued expenses in the amount of \$31, and an increase in other current liabilities by \$90.
  - Accounts payable and accrued expenses increase of \$31 was derived from:
    - An increase of \$50 in accounts payable due to timing differences on invoices submitted for payment.
    - A decrease of accrued expenses by \$19. This decrease included:
      - Increase on interest payable by \$17 due to issuance of new bonds in 2008 by MTA and MTA Bridges and Tunnels (see Note 7) and due to increases in interest rates on MTA and MTA Bridges and Tunnels variable rate bonds (see Note 7).
      - A reduction in salaries, wages and payroll taxes accrual by \$18. This was the result of the reversal of 2007 accrued liability in anticipation of 2008 payments in the amount of \$20 at LIRR; and \$7 at Metro North and \$11 at MTA Bridges and Tunnels and other agencies. This was offset by an increase of \$20 at MTA Bus for retroactive wage accruals done in 2008.
      - Vacation and sick benefit cost increased by \$32.
      - Current portion of retirement and death benefits increased by \$31.
      - An increase in current portion of estimated liabilities from injuries to persons (Note 8) in the amount of \$6.
      - A decrease in other accrued liabilities of \$87 mainly due to the fact that no payment was required to the New York State Highway fund. In 2007, \$20 was accrued. In addition, the MTAHQ capital and operating accrual decreased by \$44 while NYCTA declined by \$14 and FMTAC by \$30.
- Other current liabilities had a net increase of \$90. Major increases were derived from MTA New York City Transit, \$25; Bridges and Tunnels, \$12, and Metro North, \$1. MTA New York City Transit's increase of deferred revenue is mainly due to an increase in unredeemed fare cards and advance payments related to advertising revenue. There was also an increase of \$233 for obligations under capital leases while deferred revenues increased by \$38. The increase in the current portion of pollution remediation by \$19 was partly due to the implementation of GASB 49. These increases were offset by a reduction of \$200 in the current portion of long-term debt.
- Noncurrent liabilities increased by \$2,530. This net increase is primarily related to:

## Management's Discussion and Analysis

Years Ended December 31, 2008 and 2007

(\$ in millions)

- Increase of \$1,348 for other postemployment benefits other than pension ("OPEB"). The implementation of GASB 45 requires systemic accrual-based measurement and recognition of OPEB costs.
- Long-term debt increased by \$1,421 with an increase of \$1,399 and \$22 by MTA Bridges and Tunnels and MTAHQ respectively. Refer to Note 7 for additional information on Long-Term Debt.

The increase in MTA Bridges and Tunnels bonds is due primarily to the issuance of several series: Series 2008A&B in March of 2008 for \$1,075, Series 2008C in July of 2008 in the amount of \$629.9 and Series 2008D for \$491.1 in July of 2008. From those issuances, MTA Bridges and Tunnels redeemed in April and May of 2008 \$175 of Series 2004A1-2 Subordinate Bonds. During August and September of 2008 bonds were redeemed for a total of \$498.0 related to Series 2002 D1-3, Series 2002 G1-2 and Series 2004 A-3.

The small increase in long-term debt at MTA was derived from the issuance of new debt offset by the redemption of bonds. The following issuance took place:

- Transportation Revenue Bonds in February of 2008 Series A & B in the amount of \$1,000 and in October of 2008 Series C in the amount of \$550.
- Dedicated Tax Fund Bonds in June of 2008 Series A for \$352.9 and in August of 2008 Series B for \$348.2.

These amounts were offset by the redemption of the following bonds:

- Transportation Revenues Bonds in May of 2008 Series 2004 A 1-4 in the amount of \$472.2 and Series 2002G-2 in the amount of \$200.
- Dedicated Tax Fund Bonds in March of 2008 Series 2007 A 1-4 in the amount of \$430, in May of 2008 Series 2004D1-2 in the amount of \$135, in June of 2008 Series 2005 A in the amount of \$345 and in August of 2008 Series 2004B-3 and B-5 in the amount of \$200 and series 2004 D1 in the amount of \$145.
- Obligations under capital lease decreased by \$427 due to principal payments done in January and July of 2008. On May 2, 2008, the termination of a QTE-Fleet capital lease transaction, originated in 2002, decreased the capital lease obligation by \$200. For the termination of this lease MTA recognized a loss of \$14 though the economic benefit was originally \$40.5.
- Increase in pollution remediation projects costs, which are being recorded for the first time in 2008, resulting in a noncurrent liability of \$86.
- Decrease in other long term liabilities of \$25. This decrease is derived from New York City Transit in the amount of \$23, MTA Bridges and Tunnels by \$16; MTA Long Island Rail Road by \$46 and FMTAC for \$2. These decreases were partially offset by an increase in long term liability at MTAHQ in the amount of \$62.

### December 31, 2007 versus 2006

- Current liabilities increased by \$419. This net increase is due primarily to:
  - Accounts payable and accrued expenses having a net increase of \$365. This increase is primarily due to:
    - Account payable decreased by \$29 due primarily to acceleration of invoices submitted for payments.
    - \$49 reduction to salaries, wages, and payroll taxes due to payment of retroactive wages on labor contract settlements as well as an increase of headcount at MTA Bus and LIRR.
    - A \$44 increase on current portion of retirement and death benefits derived mainly from NYCT.
    - \$343 increase on other current liabilities. This was due to the increase of the MTAHQ capital and operating accrual for work done on station, track and signal rehabilitation and improvement projects. Also contributing to this increase were increases at FMTAC and MTA Bus.
  - The current portion of long-term debt increased \$53 related to the impact of debt service payments for State Service Contract Bonds, Certificate of Participation ("COPS") Bonds, and MTA Bridges and Tunnels General Revenue Bonds.
- Non-current liabilities increased by \$1,331. This net increase is primarily related to:
  - Increase of \$1,290 for other post-employment benefits other than pension (OPEB). This increase is due to the first-time implementation of GASB 45. This statement requires systematic accrual-based measurement and recognition of OPEB costs.

Years Ended December 31, 2008 and 2007

(\$ in millions)

- Long-term debt increased by \$971 due primarily to the issuance by MTA of Transportation Revenue Bond, Series 2007A in July of 2007 in the amount of \$425.6, Series 2007B in December of 2007 in the amount of \$415, Dedicated Tax Fund Bonds in November of 2007 in the amount of \$430 and MTA Bridges and Tunnels General Revenue Bonds issue in June 2007 in the amount of \$223. These increases were offset by a cash defeasance that took place in December 2007 for Transportation Revenue Bonds, DTF Bonds, and MTA Bridges and Tunnels General and Subordinate bonds for a total amount of \$296.8. Other variances are due to amortization of premium and discount of prior issuances.
- Obligations under capital lease decreased by \$989 due to principal payments in 2007 for various MTA leases

**Total Net Assets, Distinguishing Among Amounts Invested in Capital Assets, Net of Related Debt, Restricted Amounts, and Unrestricted Amounts**

	December 2008	December 2007	December 2006
Invested in capital assets, net of related debt	\$15,790	\$15,903	\$14,777
Restricted for debt service	972	996	1,011
Restricted for claims	96	92	84
Unrestricted	1,476	2,306	3,491
<b>Total</b>	<b>\$18,334</b>	<b>\$19,297</b>	<b>\$19,363</b>

*December 31, 2008 versus December 31, 2007*

At December 31, 2008, the total net assets decreased by \$963 from December 31, 2007. This decrease includes net non-operating revenues of \$2,978 and appropriations, grants, and other receipts externally restricted for capital projects of \$2,450 offset by operating losses of \$6,391.

The investment in capital assets, net of related debt, decreased by \$113. Funds restricted for debt service and claims decreased by \$20 and unrestricted net assets decreased by \$830.

*December 31, 2007 versus 2006*

At December 31, 2007, the total net assets decreased by \$66 from December 31, 2006. This decrease includes net non-operating revenues of \$3,735 and appropriations, grants, and other receipts externally restricted for capital projects of \$2,035 offset by operating losses of \$5,836.

The investment in capital assets, net of related debt increased by \$1,126. Though the MTA increased its fixed assets, it also issued new debt. Funds restricted for debt service and claims decreased by \$7 due to bond cash defeasance, and unrestricted decreased by \$1,185.

## Management's Discussion and Analysis

Years Ended December 31, 2008 and 2007

(\$ in millions)

### Condensed Statements of Revenues, Expenses and Changes in Net Assets

	December 31, 2008	December 31, 2007	December 31, 2006
<b>Operating Revenues</b>			
Passenger and tolls	\$5,515	\$5,246	\$5,081
Other	417	420	406
<b>Total operating revenues</b>	<b>5,932</b>	<b>5,666</b>	<b>5,487</b>
<b>Nonoperating Revenues</b>			
Grants, appropriations and taxes	3,949	4,504	4,119
Other	249	322	275
<b>Total nonoperating revenues</b>	<b>4,198</b>	<b>4,826</b>	<b>4,394</b>
<b>Total Revenues</b>	<b>10,130</b>	<b>10,492</b>	<b>9,881</b>
<b>Operating Expenses</b>			
Salaries and wages	4,560	4,339	4,123
Retirement and other employee benefits	1,876	1,690	1,623
Postemployment benefits other than pensions	1,656	1,575	—
Depreciation and amortization	1,791	1,689	1,606
Other expenses	2,440	2,209	1,978
<b>Total operating expense</b>	<b>12,323</b>	<b>11,502</b>	<b>9,330</b>
<b>Nonoperating Expense</b>			
Interest on long-term debt	1,209	1,054	1,039
Other nonoperating expense	11	37	40
<b>Total nonoperating expense</b>	<b>1,220</b>	<b>1,091</b>	<b>1,079</b>
<b>Total Expenses</b>	<b>13,543</b>	<b>12,593</b>	<b>10,409</b>
Appropriations, grants and other receipts externally restricted for capital projects	2,450	2,035	1,898
Change in net assets	(963)	(66)	1,370
Net assets, beginning of year	19,297	19,363	17,993
<b>Net assets, end of year</b>	<b>\$18,334</b>	<b>\$19,297</b>	<b>\$19,363</b>



Years Ended December 31, 2008 and 2007

(\$ in millions)

## Revenues and Expenses, by Major Source:

### *December 31, 2008 versus December 31, 2007*

- Total operating revenues for the year ended December 31, 2008 were \$266 higher than for the year ended December 31, 2007.
  - Fare and toll revenue increased by \$246 primarily due to an increase in ridership and a fare increase that took place in March 2008. Toll revenues increased by \$23 despite a traffic decrease mainly due to a toll increase that went into effect in March of 2008.
  - Other operating revenues decreased by \$3 derived mainly from a reduction of paratransit urban tax revenue and a decrease in City reimbursement of paratransit expenses.
- Total operating expenses for the year ended December 31, 2008 were higher than the year ended December 31, 2007 by \$821.
  - Labor costs, including retirement and other employee benefits, were higher by approximately \$488.
  - Salaries and wages increases of \$221 is primarily due to wage rate increases and headcount increases mostly for customer safety, maintenance programs, and operation of additional bus routes by MTA Bus.
  - Retirement and employee benefits increased by \$186 with a major increase in health and welfare by \$123, followed by pension expenses in the amount of \$47 and other fringe benefits in the amount of \$16. The increase in health and welfare arises mainly from increases in rates and headcount. Pension expenses increases are based on current actuarial valuations and are also due to an increase in headcount. Other fringe benefits increases are due primarily to increases in the workers' compensation reserve.
  - Postemployment benefits other than pensions increased by \$81. Current cost is based on actuarial calculations which include normal cost of retirees plus amortization and interest costs.
  - Non-labor operating costs were higher by \$333. Cost elements contributing to this increase were traction, propulsion power, and fuel for buses and trains of \$107 due to higher fuel costs. Depreciation costs increased \$102 due to additional capital assets placed into service. Paratransit service contractors increased \$66 due to increased trip volume. Maintenance and other operating contracts increased \$64 due to increases in heating fuel, facility power and maintenance costs. Pollution remediation projects increased by \$43. These costs were reported for the first time in 2008, as required by GASB 49. Other costs, professional services contracts and materials and supplies increased by \$30, while insurance and claims decreased by \$79.
- Total grants, appropriations, and taxes were lower by \$555 for the year ended December 31, 2008 compared with the year ended December 31, 2007. The major components of the decrease are tax-supported subsidies-NYC and local related to the mortgage recording tax and urban tax which declined by \$698. Tax supported subsidies-NYS offset the decrease with an increase of \$143.
- Suburban highway fund expenses decreased by \$20 since no payment was due for the year 2008.
- Interest Expense on long-term debt increased by \$155 due to the issuance of new bonds in 2008.
- Appropriations and grants increased by \$415. The increase was derived mainly from Federal funding, NY State Bond funding and FEMA, as well as fixed assets purchased with bond proceeds.

### *December 31, 2007 versus 2006*

- Total operating revenues for the year ended December 31, 2007 were \$179 higher than for the year ended December 31, 2006.
  - Fare and toll revenue increased by \$165. Passenger revenue increased by \$155 due to ridership and toll revenues increased by \$10 due to increased traffic and reduced E-Z pass fees.
- Total operating expenses for the year ended December 31, 2007 were higher than the year ended December 31, 2006 by \$2,172.
  - Labor costs, including retirement and other employee benefits, were higher by approximately \$283. This is primarily due to payroll and overtime increases of \$216 for wage rate increases and headcount increases mostly for customer safety, maintenance programs, and the MTA Bus Company's acquisition and operation of additional bus routes. Retirement and other employee benefits increased \$67 primarily for MTA New York City Transit pension expenses based on an actuarial valuation. Also, contributing to this increase are other fringe benefits costs for additional headcount.
  - Post-employment benefits other than pensions increased by \$1,575 due to the implementation of GASB 45 adopted in 2007.
  - Non-labor operating costs were higher by approximately \$314. Cost elements contributing to this increase were depreciation resulting in part from new capital assets being placed into service, \$83; traction and propulsion power and fuel expense increases of \$31 are

## Management's Discussion and Analysis

Years Ended December 31, 2008 and 2007

(\$ in millions)

due primarily to fuel price increases. Public liability claims expense increased \$71 primarily due to actuarial review of current claims data. Materials and supplies costs increased by \$70 due mainly to additional subway car body structure parts, bus electrical systems, heating/air conditioning equipment, and subway propulsion motors. Paratransit service contract costs increased \$49 primarily due to increased trip volume and a decrease in productivity based on a line assigned to new vendors.

- Total grants, appropriations, and taxes were higher by approximately \$385 for the year ended December 31, 2007 compared to the year ended December 31, 2006. The major components of the increase are tax-supported subsidies-NYS, \$237, and tax-supported subsidies-NYC and local, \$143.
  - The increase in tax-supported subsidies from New York State is due primarily to an increase of \$260 in Metropolitan Mass Transportation Operating Assistance, a decrease of \$12 from NYS for debt service payments, and a decrease of \$11 in Petroleum Business Tax.
  - The increase in tax-supported subsidies NYC and local is primarily due to an increase in the urban tax and other subsidies received by MTA New York City Transit of \$189 and MTA Bus of \$27; offset by a net decrease in the Mortgage Recording Taxes of \$73.

Years Ended December 31, 2008 and 2007

(\$ in millions)

#### 4—Overall Financial Position and Results of Operations and Important Economic Conditions

##### Economic Conditions

Metropolitan New York is the most transit-intensive region in the United States. A financially sound and reliable transportation system is critical to the region's economic well-being. The MTA's business consists of urban subway and bus systems, suburban rail and bus systems, and bridge and tunnel facilities, all of which are affected by many different economic forces. In order to achieve maximum efficiency and success in its operations, the MTA must identify economic trends and continually implement strategies to adapt to changing economic conditions.

Through December 2008, MTA system-wide utilization, including MTA Bus, was 3.3 percent higher (87.5 million more trips) than ridership through December 2007. At the same time, vehicle crossing levels at MTA Bridges and Tunnels facilities were 2.9 percent lower (8.9 million fewer crossings), having fallen in each month of the quarter despite falling gasoline prices.

Between the fourth quarter of 2007 and the fourth quarter of 2008, non-agricultural employment survey results indicate that New York City lost twenty six thousand jobs. A regional economic slowdown was further evinced by the Federal Reserve Bank's Coincident Economic Indicator, an index of broad economic activity. According to the CEI, the regional economy continued to contract in the fourth quarter of 2008. Compared with the fourth quarter of 2008, the CEI for New Jersey declined by 2%, New York State's fell by 3 percent, and the CEI for New York City remained virtually unchanged. It should be borne in mind that this comparison of CEIs at two points in time—the fourth quarter of 2008 compared with the same quarter of 2007—does not reveal how the economies fared in the intervening months. Beginning in March 2008, New York State and New Jersey each experienced ten straight months of declining economic activity. New York City's economy saw no significant growth through July, and began to contract thereafter, evidenced by five straight months of falling CEI's.

The stalling of the City's economy in the fourth quarter was accompanied by a greater increase in consumer prices than the increase for the average of all U.S. cities: the consumer price index (CPI-U) in the New York metropolitan area increased by 2.6 percent in the fourth quarter of 2008 relative to the fourth quarter of 2007, while the U.S. city average consumer price index increased by 1.6 percent. As the national economy slid deeper into recession, falling demand for goods and services restrained prices, and this was especially true for energy. After having risen in the second and third quarters of 2008 beyond even the heights reached in the aftermath of Hurricane Katrina, energy prices began to reverse, falling precipitously for five straight months. At the end of the fourth quarter, energy turned out to be 4.7 percent cheaper than in the fourth quarter of 2007. Meanwhile, consumer prices excluding energy were 3.5 percent higher. The New York Harbor spot price for conventional gasoline averaged \$1.38 per gallon in the fourth quarter, a pronounced decrease of 40.0 percent compared to the average spot price in the fourth quarter of 2007. Like energy prices overall, the price of gasoline had begun to fall in the third quarter, and gas prices declined in each of the last five months of 2008. High fuel prices, however, continued to influence travel mode choices, as suggested by greater than expected MTA system ridership levels.

The contraction of New York City's economy in the fourth quarter of 2008 mirrored what was happening to the national economy. Real Gross Domestic Product ("GDP") declined at an annual rate of 6.2 percent in the fourth quarter, following a 0.5 percent fall in the previous quarter. Facing the myriad challenges of this particularly pernicious downturn, the intention of the Federal Reserve Bank over the past 15 months was first to forestall an impending recession and, having failed that, to mitigate its consequences by loosening the tight credit conditions that resulted from the national mortgage crisis. Consequently, the Federal Reserve Bank's expansionary interventions since the third quarter of 2007 contrasted sharply with the measures it took to keep inflation under control as the economy emerged from the recession of 2001-2003. In the third quarter of 2007, the Federal Reserve Board elected to lower the Federal Funds Rate by a half point, from 5.25 to 4.75 percent, the first diminution since the end of June 2003. Confronting a deepening contraction in housing markets and mounting insecurity in financial markets, the bank further subjected the Federal Funds Rate to a series of downward adjustments throughout 2008: it was lowered by three-quarters of a point on January 22 and half a point on January 30; it was lowered again in March 2008 by another three-quarters of a point, in April by one quarter of a point, and twice again in October, each time by a half point. With inflationary concerns numbed by the decline in energy prices, the Federal Open Market Committee announced on December 16, 2008 that it would target a Federal Funds rate of between zero and one quarter percent. There obviously remains little scope for the Bank to lower the rate through further open market operations.

The influence of Federal Reserve monetary policy on the mortgage market is a matter of interest to the MTA, since variability of mortgage rates can affect the number of real estate transactions and can thereby impact receipts from the Mortgage Recording Tax and Urban Tax, two important sources of MTA revenue. In spite of the aggressiveness of the Federal Reserve Bank, its Beige Books - published in October and December - reported little that augured well for regional real estate markets. The December Beige Book described the ongoing deterioration of New York City's housing market, where there was a notable decline in transaction activity and an accumulation of new property listings; an increase in the availability of rental vacancies, with rents down between one and four percent; and a reported fall of between 15 and 20 percent in the price of co-ops and condos. The city's commercial real estate market also weakened noticeably, with high vacancy rates, slowing lease activity and a decline in both actual and asking rents compared with the previous year.

## Management's Discussion and Analysis

Years Ended December 31, 2008 and 2007

(\$ in millions)

The tidings of the Beige Books were in fact borne out by the continuation of sharply lower receipts of real estate taxes in the fourth quarter of 2008. Urban tax receipts through the fourth quarter fell by 40.7 percent compared with their 2007 level, while total MRT receipts fell by 40.5 percent. Both MRT-1 and MRT-2 receipts declined in the MTA region as a whole. Through December, revenues from MRT-1 dropped 42 percent and MRT-2 revenues fell by 43 percent. MRT-1 is paid on all mortgages, while MRT-2 is paid only on residential mortgages where the structure contains one to six individual dwelling units. The steady decline in both MRT-1 and MRT-2, which occurred in all four quarters of 2008, clearly indicates that regional real estate markets are suffering the most severe downturn in some time.

### Results of Operations

MTA Bridges and Tunnels' paid traffic totaled 295.6 million in 2008, which was 2.9 percent less than 2007's record level. Daily traffic was down 1.2 percent on average from January through April primarily due to high regional gas prices that ranged from \$3.16 to \$3.48 per gallon. From May through August, gas prices were near or above \$4.00 per gallon, and subsequently, traffic was down 4.0 percent on average. Although gas prices dropped significantly from September through the end of the year, recessionary economic conditions kept traffic levels down by 4.1 percent on average. Despite the lower traffic trends, toll revenues in 2008 reached \$1.274 billion, which was \$23.4 greater than in 2007. The higher revenues were generated from a toll increase implemented on March 16th, 2008, and from an additional day of collections in February 2008 due to the leap year. In addition, gas prices were higher in November and December of 2007, with regional prices exceeding \$3.00 per gallon.

The E-ZPass electronic toll collection system continued to facilitate the management of heavy traffic volumes. Total average market share during the year 2008 was 74.0 percent compared to 73.5 percent in 2007. The average weekday market shares were 76.2 percent and 75.5 percent for the twelve months of 2008 and 2007, respectively. Average weekend market shares for the same periods were 68.8 percent and 68.1 percent, respectively.

MTA New York City Transit's fare revenues for the year ended December 31, 2008 were higher than in 2007 by \$174.0 or 6.1 percent due to increased subway ridership, the March 2008 fare increase and the effect of one additional day for the leap year.

MTA Long Island Rail Road's ridership for the year ended December 31, 2008 was at 87.4 million on passenger revenues of \$506.8, or 93 percent of total revenue. Revenues increased by approximately \$22 or 5 percent for the year ended December 31, 2008 over the prior year ended December 31, 2007. The average fare increase of 4 percent effective March 1, 2008 contributed to the revenue increase. Additionally, ridership continues to increase in all ticket types attributed to the rising gasoline prices, changes in travel patterns for commuters and increases in noncommutation travel on MTA Long Island Rail Road.

MTA Metro-North Railroad's operating revenue increased by \$27.5 or approximately 5.4 percent for the year ended December 31, 2008 over the prior year ended December 31, 2007. Year to date 2008 fare revenue and ridership increased by 5.5 percent and 3.8 percent respectively, over the same period in 2007. The increases occurred on the Hudson, Harlem and New Haven lines for monthly and weekly commutation as well as noncommutation ridership.

The MTA receives the equivalent of four quarters of Metropolitan Mass Transportation Operating Assistance ("MMTOA") receipts each year, with the state advancing the first quarter of each succeeding calendar year's receipts in the fourth quarter of the current year. This results in little or no Metropolitan Mass Transportation Operating Assistance receipts being received during the first quarter of each calendar year. The MTA has made other provisions to provide for cash liquidity during this period. During the first quarter of 2008, the state did not advance any payments of MMTOA assistance to the MTA from MTA's 2008 appropriation. There has been no change in the timing of the state's payment of, or MTA's receipt of, Dedicated Mass Transportation Trust Fund ("MTTF") receipts, which MTA anticipates will be sufficient to make monthly principal and interest deposits into the Debt Service Fund for the Dedicated Tax Fund Bonds.

Over the last few years, the mortgage recording taxes payable to the MTA generally exceeded expectations, due primarily to the high level of home buying and refinancing encouraged by historically low interest rates. In the last quarter of 2007, however, the national downturn in housing markets began to impact the frequency of local real estate transactions, and the collection of mortgage recording taxes fell. In spite of the Federal Reserve Bank's determination to forestall a recession by successively lowering interest rates. The total amount collected in 2008 was reduced by 42.4 percent from \$686.9 to \$395.5. In 2009 Mortgage recording taxes continue to decline at an even higher rate.

### Capital Programs

At December 31, 2008, \$14,512 had been committed and \$6,576 had been expended for the combined 2005-2009 MTA Capital Programs and the 2005-2009 MTA Bridges and Tunnels Capital Program, and \$20,443 had been committed and \$18,474 had been expended for the combined 2000-2004 MTA Capital Programs and the 2000-2004 MTA Bridges and Tunnels Capital Program.

MTA's and MTA Bridges and Tunnels' Capital Programs are described in Note 1 to the consolidated financial statements.

Years Ended December 31, 2008 and 2007

(\$ in millions)

### 5—Currently Known Facts, Decisions, or Conditions

Throughout 2008, ratings of municipal bond insurers were lowered by the three rating agencies, thereby lowering the ratings of certain MTA and MTA Bridges and Tunnels bonds insured by such insurers. The bond insurer downgrades have affected municipal issuers nationwide, including all major New York State issuers, in terms of market volatility and increased interest costs on variable rate bonds. These downgrades have not affected the underlying MTA and MTA Bridges and Tunnels bond ratings.

Additionally many regularly scheduled auctions of variable rate bonds currently in the auction mode have been failing since there are not enough buy orders to cover sell orders. In the event of a "failed" auction, certain auctions provide for the periodic rate for such bonds to be set at a stated percentage of one month LIBOR (London Interbank Offered Rate) index, while others have a high maximum rate, ranging from 12% to 15%. Beginning in February 2008, MTA and MTA Bridges and Tunnels auctions began to fail periodically at their respective defined maximum rates. As a result, throughout 2008, MTA has refunded \$1,303 of auction rate bonds, and converted \$250 to variable rate demand bonds using bank letters of credit. MTA continues to have \$863.5 of auction rate bonds outstanding.

On April 10, 2009, Moodys Investors Service Inc. placed the MTA's Transportation Revenue Bonds rating on Watchlist for possible downgrade from their current A2 rating. Moodys explained that this action was prompted by the MTA's projected budget shortfalls and the absence of a long term funding solution to finance future debt service costs on the Transportation Revenue Bonds. The review is expected to be completed within 90 days. The Triborough and Tunnel Authority (TbTA) bonds and MTA's Dedicated Tax Fund bonds are supported by different revenue streams from MTA's Transportation Revenue Bonds and are not affected by the Watchlist action.

#### Developments Affecting MTA's Financial Condition

The MTA's February Financial Plan (current plan) includes a number of significant deficit reduction measures, in order to achieve a balanced 2009 budget and reduced budget gaps thereafter. These include reductions to service, large fare and toll increases and other deficit reducing actions. Discussions are on-going with the State (described below) in an attempt to secure additional funding that would eliminate the need for service reductions and to reduce the level of fare and toll increase that would be required. As of this date, these efforts have not proven successful; therefore, MTA will proceed with the planned service reductions and fare/toll increases. Should this funding materialize, the MTA and its Board would make the necessary adjustments to the plan. The following describes those deficit-reduction measures that are included in the current plan:

- *Internal Actions*

The gap-closing internal actions proposed in previous plans remain in place. These include 6 percent cost reductions over the plan period and continuing the 1.5 percent annual reduction begun last year. In addition to these measures, the MTA implemented a series of administrative reductions in hiring, travel and food, and telecommunications in 2008, which continue in 2009 at all of the Related Entities.

The February Financial Plan continues to contain assumptions that MTA employees will make a modest contribution to the deficit reduction plan when final collective bargaining agreements are executed.

In addition, MTA expects efficiency measures to save money, especially the efficiencies that will be achieved by the new Business Service Center ("BSC"). BSC will consolidate back-office operations for all MTA affiliates and subsidiaries. This will result in a downsizing of the workforce and this plan, like previous plans, provides funds to cover the expected cost of downsizing. The MTA is expected to begin realizing the savings from these BSC initiatives in 2012. Savings are also assumed from other reorganization initiatives.

In addition, the MTA will utilize an inter-agency loan of \$135 to reduce the budget gaps forecasted in both 2009 and 2010, which will be paid back in 2011 and 2012. MTA will also use \$120, which had been allocated from the 2006 surplus but not yet committed or spent to date, for capital security and other short-term projects that were transferred back to the operating budget in 2008. In 2009, \$80 of such money will be used for budget balancing, and \$40 will be redirected to priority unfunded capital security projects. Less critical projects that would have used these funds may be included in the next capital program. MTA will also reduce its subsidy to MTA Long Island Bus by \$4 to \$10 annually. In addition, in the absence of increased subsidy from Nassau County, it may be necessary for MTA Long Island Bus to reduce expenses or raise revenue by \$5 in 2009 in order to balance its budget. Finally, with the approval of the Board, MTA eliminated E-Z Pass forgiveness of official City, State and county vehicles, which is anticipated to generate \$10 annually.

These internal actions generated an estimated \$137 in savings in 2008, and are projected to result in savings of up to \$242 in 2009, \$404 in 2010, \$217 in 2011 and \$354 in 2012.

Years Ended December 31, 2008 and 2007

(\$ in millions)

- *Additional Actions for Budget Balance*

Significant additional agency reductions are required to further reduce the deficit and balance the budget as required by law. The February Plan includes proposals for each of the Related Entities to reduce its budget by an additional 4.7 percent, for an MTA-wide savings of \$1,453 over the plan period (this excludes MTA Bus actions of \$82 that are targeted to enable the City to reduce its subsidy to MTA Bus).

- *Changes in Service*

Included in agency actions for budget balance are service changes that would have the least possible impact on riders. The Related Entities, including MTA Bus, identified savings from service changes of \$82 in 2009, \$156 in 2010, \$154 in 2011 and \$155 in 2012 that will be implemented if the MTA does not receive financial assistance from the Ravitch Plan (see below – Commission on MTA Financing) or alternative funding. MTA New York City Transit accounted for most of these proposals with projected savings of \$56 in 2009, and \$114 in each year from 2010-2012. Implementation of these measures is expected to result in employment reductions that total 1.169 thousand in 2009, 1.245 thousand in 2010 and 1.225 thousand in each year from 2011-2012.

- *Fare/Toll Yield Changes*

The changes, to become effective June 1, 2009, assume that transit and commuter riders and Bridge and Tunnel drivers will contribute to closing the deficit by paying increased fares and tolls which would increase the revenue yields by an annualized 23 percent beginning in 2009. If the MTA does receive financial assistance from the Ravitch Plan (see below) or alternative funding, the amount of these increases could be decreased. The proposal including MTA Bus is projected to result in increased revenues of \$685 in 2009, \$1,171 in 2010, \$1,197 in 2011 and \$1,213 in 2012. The February Financial Plan assumes that MTA will resume biennial fare/toll increases as of January 1, 2011 to increase revenue yields by 5 percent, commensurate with inflationary increases; additional revenues of \$316 in 2011 and \$328 in 2012 are estimated to be generated from such increase.

- *Proposed External Actions from Governmental Partners*

The February Financial Plan proposes legislative changes to federal mandates for commuter railroad employees that, beginning in late 2009, are projected to save \$15 and, in subsequent years, roughly \$62 annually without affecting employee benefits. The plan also continues to propose State elimination of tax loopholes affecting real estate transactions, which is expected to generate \$50 annually beginning in 2009.

- *Commission on MTA Financing*

A Commission on MTA Financing (the Ravitch Commission) was formed, and its members appointed by the Governor in June 2008, to develop strategies to fund MTA essential projects and operating needs. The Ravitch Commission issued its report on December 4, 2008 ("the Report"). The Report makes several recommendations designed to more securely fund the MTA capital plan and agency operations, enhance governance and transparency, and promote mass transportation in the MTA service area.

The recommendations include a new regional mobility tax, which, if enacted as and when proposed in the Report, is expected to generate \$1.5 billion on an annual basis, with revenues from such tax to pay for new borrowings and direct expenses associated with funding MTA capital improvements and debt service associated with the MTA's current portfolio of system expansion projects; creation of a new MTA subsidiary, the MTA Capital Finance Authority, to manage the budgetary impact of expenditures paid for and revenues generated by the new regional mobility tax; and cashless tolling on the Harlem and East River Bridges, estimated in the Report to generate \$600 in net revenue on an annual basis, after payment of costs relating to the upkeep of the bridges, to be used to pay for the costs of installing the electronic toll system as well as to support additional mass transit improvements.

Other recommendations in the Report include establishing a Board fare-approval process permitting regular, predictable, inflation-indexed fare and toll increases without extensive public hearings; amending the MTA governance statute to vest full executive authority in the office of the Chairman of the MTA Board, with authority to delegate powers to a Board-appointed Executive Director, changing MTA project management practices to streamline project execution and developing a reporting methodology consistent with those set forth in the Guidelines of the Government Finance Officers Association; improving bus service system-wide through the implementation of the Bus Rapid Transit strategy; and creating a new MTA subsidiary, the Regional Bus Authority, to be the single entity responsible for bus service in the MTA Commuter Transportation District.

Years Ended December 31, 2008 and 2007

(\$ in millions)

On March 25, 2009, with the State legislature and Governor unable to reach agreement on the Ravitch Commission proposals or alternative funding plans, the MTA Board approved a series of fare and toll increases to be implemented by mid-year 2009 that are designed to yield the 23 percent increase in fare and toll revenues, as well as approving service reductions outlined in the February Financial Plan. However, discussions are on-going and it is hoped that a funding solution can be reached.

- *Preliminary Financial Results and Other Factors*

The ability of MTA to achieve the 2009 balanced budget and reduced projected budget gaps in 2010 through 2012 reflected in the February Financial Plan for 2009-2012 is dependent upon a number of factors including general economic, market and employment conditions in the State, the City and the MTA Commuter Transportation District and future actions by third parties, including MTA's governmental partners. Fuel and energy costs and other expenses beyond MTA's control are likely to remain volatile. Worsening economic conditions could also adversely affect projected fare receipts from the Transit and Commuter Systems and toll revenues from MTA Bridges and Tunnels, in particular, if unemployment in the core business district erodes further.

Information on certain real estate-related subsidy cash receipts is available through March 2009 and shows such receipts to be significantly below budgeted levels for the first three months of the year. Through March 2009, real estate-related taxes and subsidies were \$123 or 56 percent below budget. Regional mortgage recording tax ("MRT") receipts were \$40 or 42 percent below budget, while New York City Urban Tax receipts were \$84 or 67 percent below budget.

The State has advised MTA that projections of dedicated tax collections for MTA's current fiscal year are now estimated to be up to \$200 lower than amounts appropriated in the State's enacted Budget and as assumed in the February Financial Plan. The State has also advised MTA that portions of the monthly cash receipts from the dedicated tax collections may be paid to MTA at times later than those assumed by MTA in its February Financial Plan. Notwithstanding the forgoing, MTA expects to receive its portion of the dedicated tax collections in 2009 by calendar year-end.

MTA will continue to closely monitor its finances, including the subsidies referenced above. The July Financial Plan will include re-estimates of all MTA receipts and expenditures and will also include proposals for actions that are necessary to maintain budgetary balance.

\*\*\*\*\*

## Consolidated Balance Sheets

As of December 31, 2008 and 2007

(\$ in millions)

	2008	2007
<b>Assets</b>		
<b>Current Assets:</b>		
Cash (Note 3)	\$ 206	\$ 130
Restricted investment (Notes 3)	1,083	1,682
Unrestricted investments (Note 3)	246	21
Investments held under capital leases current	245	8
Receivables:		
Station maintenance, operation, and use assessments	108	104
State and regional mass transit taxes	50	47
Mortgage Recording Tax receivable	20	43
State and local operating assistance	7	8
Other subsidies	18	81
Connecticut Department of Transportation	14	20
New York City	63	101
Due from Hudson Yards Infrastructure Corporation	33	67
Capital project receivable from federal and state government	309	209
Other	208	222
Less allowance for doubtful accounts	(23)	(23)
<b>Total receivables – net</b>	<b>807</b>	<b>879</b>
Materials and supplies	414	381
Advance to defined benefit pension trust	66	166
Prepaid expenses and other current assets (Note 2)	133	258
<b>Total current assets</b>	<b>3,200</b>	<b>3,525</b>
<b>Noncurrent Assets:</b>		
Capital assets – net (Note 6)	43,323	40,611
Restricted investment held under capital lease obligations (Notes 3 and 8)	1,099	1,483
Restricted investments (Notes 3)	1,890	1,911
Unrestricted investments (Note 3)	77	313
Receivable from New York State	2,145	2,197
Other noncurrent assets	1,723	1,729
<b>Total noncurrent assets</b>	<b>50,257</b>	<b>48,244</b>
<b>Total assets</b>	<b>\$53,457</b>	<b>\$51,769</b>

See notes to consolidated financial statements.

(continued)



## Consolidated Balance Sheets

As of December 31, 2008 and 2007

(\$ in millions)

	2008	2007
<b>Liabilities and Net Assets</b>		
<b>Current Liabilities:</b>		
Accounts payable	\$ 497	\$ 447
Accrued expenses:		
Interest	218	201
Salaries, wages and payroll taxes	213	231
Vacation and sick pay benefits	716	684
Current portion – retirement and death benefits	259	228
Current portion – estimated liability from injuries to persons (Note 9)	205	199
Other	664	751
<b>Total accrued expenses</b>	2,275	2,294
Current portion – long-term debt (Note 7)	191	391
Current portion – obligations under capital lease (Note 8)	240	7
Current portion of pollution remediation projects (Note 11)	19	—
Deferred revenue	391	353
<b>Total current liabilities</b>	3,613	3,492
<b>Noncurrent Liabilities:</b>		
Retirement and death benefits	40	42
Estimated liability arising from injuries to persons (Note 9)	1,125	1,033
Post employment benefits other than pensions (Note 5)	2,638	1,290
Long-term debt (Note 7)	25,936	24,515
Obligations under capital leases (Note 8)	1,192	1,619
Pollution remediation projects (Note 11)	86	—
Contract retainage payable	214	177
Other long-term liabilities	279	304
Total noncurrent liabilities	31,510	28,980
<b>Total liabilities</b>	35,123	32,472
<b>Net Assets:</b>		
Invested in capital assets – net of related debt	15,790	15,903
Restricted for debt service	972	996
Restricted for claims	96	92
Unrestricted	1,476	2,306
<b>Total net assets</b>	18,334	19,297
<b>Total liabilities and net assets</b>	<b>\$53,457</b>	<b>\$51,769</b>

See notes to consolidated financial statements.

[concluded]

## Consolidated Statements of Revenues, Expenses, and Changes in Net Assets

Years Ended December 31, 2008 and 2007

(\$ in millions)

	2008	2007
<b>Operating Revenues:</b>		
Fare revenue	\$ 4,241	\$ 3,995
Vehicle toll revenue	1,274	1,251
Rents, freight, and other revenue	417	420
<b>Total operating revenues</b>	<b>5,932</b>	<b>5,666</b>
<b>Operating Expenses:</b>		
Salaries and wages	4,560	4,339
Retirement and other employee benefits	1,876	1,690
Postemployment benefits other than pensions	1,656	1,575
Traction and propulsion power	307	294
Fuel for buses and trains	287	193
Insurance	(1)	66
Claims	152	164
Paratransit service contracts	299	233
Maintenance and other operating contracts	584	520
Professional service contracts	204	181
Pollution remediation projects (Note 11)	43	-
Materials and supplies	532	518
Depreciation	1,791	1,689
Other	33	40
<b>Total operating expenses</b>	<b>12,323</b>	<b>11,502</b>
<b>Operating loss</b>	<b>(6,391)</b>	<b>(5,836)</b>
<b>Non-Operating Revenues [Expenses]:</b>		
Grants, appropriations, and taxes:		
Tax-supported subsidies — NYS	2,434	2,291
Tax-supported subsidies — NYC and local	1,116	1,814
Operating subsidies — NYS	208	211
Operating subsidies — NYC and local	191	188
<b>Total grants, appropriations, and taxes</b>	<b>\$ 3,949</b>	<b>\$ 4,504</b>

See notes to consolidated financial statements.

(continued)

## Consolidated Statements of Revenues, Expenses, and Changes in Net Assets

Years Ended December 31, 2008 and 2007

(\$ in millions)

	<b>2008</b>	<b>2007</b>
Operating subsidies recoverable from Connecticut Department on NYC	\$ 64	\$ 64
Subsidies paid to Dutchess, Orange, and Rockland Counties	(11)	(17)
Suburban Highway Transportation Fund Subsidy	—	(20)
Interest on long-term debt	(1,209)	(1,054)
Station maintenance, operation and use assessments	148	142
Other non-operating revenue	37	116
Net non operating revenues	2,978	3,735
Loss before appropriations	(3,413)	(2,101)
Appropriations, grants, and other receipts		
Externally restricted for capital projects	2,450	2,035
Change in net assets	(963)	(66)
Net assets — beginning of period	19,297	19,363
<b>Net assets — end of period</b>	<b>\$18,334</b>	<b>\$19,297</b>

*See notes to consolidated financial statements.*

*(concluded)*

## Consolidated Statements of Cash Flows

Years Ended December 31, 2008 and 2007

(\$ in millions)

	2008	2007
<b>Cash Flows Provided By (Used) In Operating Activities:</b>		
Passenger receipts/tolls	\$ 5,750	\$ 5,472
Rents and other receipts	283	326
Payroll and related fringe benefits	(6,472)	(6,376)
Other operating expenses	(2,444)	(2,406)
Net cash used in operating activities	(2,883)	(2,984)
<b>Cash Flows Provided By (Used In) Noncapital Financing Activities:</b>		
Grants, appropriations, and taxes	4,117	4,512
Operating subsidies from CDOT	66	60
Suburban Transportation Fund Subsidy	(20)	(20)
Subsidies paid to Dutchess, Orange, and Rockland counties	(17)	(20)
Net cash provided by noncapital financing activities	4,146	4,532
<b>Cash Flows Provided By (Used In) Capital and Related Financing Activities:</b>		
MTA bond proceeds	2,703	1,290
MTA Bridges and Tunnels bond proceeds	2,271	228
MTA bonds refunded	(2,630)	(211)
MTA Bridges and Tunnels bonds refunded	(673)	(91)
MTA anticipation notes proceeds	630	750
MTA anticipation notes redeemed	(711)	(439)
Capital lease payments	(17)	(158)
Grants and appropriations	2,478	2,017
CDOT capital contributions	1	1
Capital expenditures	(4,528)	(4,197)
Debt service payments	(1,534)	(1,608)
Net cash used in capital and related financing activities	(2,010)	(2,418)
<b>Cash Flows Provided By (Used In) Investing Activities:</b>		
Purchase of long-term securities	(7,179)	(5,015)
Sales or maturities of securities — long-term	8,863	4,938
(Purchase)/sale of short-term securities	(1,005)	682
Earnings on investments	144	240
Net cash provided by investing activities	823	845
Net increase (decrease) in cash	76	(25)
Cash — beginning of period	130	155
<b>Cash — end of period</b>	<b>\$ 206</b>	<b>\$ 130</b>

See notes to consolidated financial statements.

(continued)

## Consolidated Statements of Cash Flows

Years Ended December 31, 2008 and 2007

(\$ in millions)

	2008	2007
<b>Reconciliation Of Operating Loss To Net Cash Used In</b>		
<b>Operating Activities:</b>		
Operating loss	\$(6,391)	\$(5,836)
Adjustments to reconcile to net cash used in operating activities:		
Depreciation and amortization	1,791	1,689
Net increase in payables, accrued expenses, and other liabilities	1,544	1,390
Net decrease (increase) in receivables	18	(32)
Net decrease (increase) in materials and supplies and prepaid expenses	155	(195)
<b>Net cash used in operating activities</b>	<b>\$(2,883)</b>	<b>\$(2,984)</b>

See notes to consolidated financial statements.

(concluded)

## 1—Basis of Presentation

The Metropolitan Transportation Authority (“MTA”) was established in 1965, under Section 1263 of the New York Public Authorities Law, and is a public benefit corporation and a component unit of the State of New York (“NYS”) whose mission is to continue, develop and improve public transportation and to develop and implement a unified public transportation policy in the New York metropolitan area.

These consolidated financial statements are of the Metropolitan Transportation Authority (“MTA”), including its related groups (collectively, the “MTA Group”) as follows:

### Metropolitan Transportation Authority and Related Groups –

- Metropolitan Transportation Authority Headquarters (“MTAHQ”) provides support in budget, cash management, finance, legal, real estate, treasury, risk and insurance management, and other services to the related groups listed below.
- The Long Island Rail Road Company (“MTA Long Island Rail Road”) provides passenger transportation between New York City (“NYC”) and Long Island.
- Metro-North Commuter Railroad Company (“MTA Metro-North Railroad”) provides passenger transportation between NYC and the suburban communities in Westchester, Dutchess, Putnam, Orange, and Rockland counties in NYS and New Haven and Fairfield counties in Connecticut.
- Staten Island Rapid Transit Operating Authority (“MTA Staten Island Railway”) provides passenger transportation on Staten Island.
- Metropolitan Suburban Bus Authority (“MTA Long Island Bus”) provides public bus service in NYC and Nassau County, New York.
- First Mutual Transportation Assurance Company (“FMTAC”) provides primary insurance coverage for certain losses, some of which are reinsured, and assumes reinsurance coverage for certain other losses.
- MTA Capital Construction Company (“MTA Capital Construction”) provides oversight for the planning, design and construction of current and future major MTA system-wide expansion projects.
- MTA Bus Company (“MTA Bus”) operates certain bus routes in areas previously served by private bus operators pursuant to franchises granted by the City of New York.
- MTAHQ, MTA Long Island Rail Road, MTA Metro-North Railroad, MTA Staten Island Railway, MTA Long Island Bus, FMTAC, MTA Capital Construction, and MTA Bus, collectively are referred to herein as MTA. MTA Long Island Rail Road and MTA Metro-North Railroad are referred to collectively as the Commuter Railroads.
- New York City Transit Authority (“MTA New York City Transit”) and its subsidiary, Manhattan and Bronx Surface Transit Operating Authority (“MaBSTOA”), provide subway and public bus service within the five boroughs of New York City.
- Triborough Bridge and Tunnel Authority (“MTA Bridges and Tunnels”) operates seven toll bridges, two tunnels, and the Battery Parking Garage, all within the five boroughs of New York City.

MTA New York City Transit and MTA Bridges and Tunnels are operationally and legally independent of the MTA. These related groups enjoy certain rights typically associated with separate legal status including, in some cases, the ability to issue debt. However, they are included in the MTA’s consolidated financial statements because of the MTA’s financial accountability for these entities and they are under the direction of the MTA Board (a reference to “MTA Board” means the board of MTAHQ and/or the boards of the other MTA Group entities that apply in the specific context, all of which are comprised of the same persons). Under accounting principles generally accepted in the United States of America (“GAAP”), the MTA is required to include these related groups in its financial statements. While certain units are separate legal entities, they do have legal capital requirements and the revenues of all of the related groups of the MTA are used to support the organization as a whole. The components do not constitute a separate accounting entity (fund) since there is no legal requirement to account for the activities of the components as discrete accounting entities. Therefore, the MTA financial statements are presented on a consolidated basis with segment disclosure for each distinct operating activity.

Although the MTA Group collect fares for the transit and commuter service they provide and receive revenues from other sources such as the leasing out of real property assets and the licensing of advertising, such revenues, including forecast increased revenues from fare increases, are not sufficient to cover all operating expenses associated with such service. Therefore, to maintain a balanced budget, the members of the MTA Group providing transit and commuter service rely on operating surpluses transferred from MTA Bridges and Tunnels, operating subsidies provided by NYS and certain local governmental entities in the MTA commuter district, and service reimbursements from certain

Years Ended December 31, 2008 and 2007

(\$ in millions)

local governmental entities in the MTA commuter district and from the State of Connecticut. Operating subsidies to the MTA Group for transit and commuter service in the current year total \$3.9 billion.

### Capital Program

The MTA Group has ongoing capital programs, which except for MTA Bridges and Tunnels, MTA Long Island Bus and MTA Bus are subject to the approval of the Metropolitan Transportation Authority Capital Program Review Board ("CPRB"), and are designed to improve public transportation in the New York Metropolitan area.

#### *2005-2009 Capital Program*

Capital programs covering the years 2005-2009 were originally approved by the MTA Board in April 2005 and subsequently by the CPRB in July 2005 for (1) the commuter railroad operations of the MTA conducted by MTA Long Island Rail Road and MTA Metro-North Railroad (the "2005-2009 Commuter Capital Program"), (2) the transit system operated by MTA New York City Transit and its subsidiary, MaBSTOA, and the rail system operated by MTA Staten Island Railway (the "2005-2009 Transit Capital Program"), and (3) the toll bridges and tunnels operated by MTA Bridges and Tunnels (the "2005-2009 MTA Bridges and Tunnels Capital Program"). The 2005-2009 MTA Bridges and Tunnels Capital Program was effective upon adoption by the MTA Board in April 2005. The 2005-2009 amended Commuter Capital Program and the 2005-2009 Transit Capital program (collectively, the "2005-2009 MTA Capital Programs") were last amended by the MTA Board in July 2008. This latest 2005-2009 MTA Capital Program amendment was submitted to the CPRB for approval in July 2008, but was subsequently withdrawn.

As last amended by the MTA Board, the 2005-2009 MTA Capital Programs and the 2005-2009 MTA Bridges and Tunnels Capital Program, provide for \$23,717 in capital expenditures, of which \$11,154 relates to ongoing repairs of, and replacements to, the transit system operated by MTA New York City Transit and MaBSTOA and the rail system operated by MTA Staten Island Railway; \$3,617 relates to ongoing repairs of, and replacements to, the commuter system operated by MTA Long Island Rail Road and MTA Metro-North Railroad; \$6,899 relates to the expansion of existing rail networks for both the transit and commuter systems to be managed by MTA Capital Construction; \$495 relates to a multi-faceted security program; \$198 relates to MTA interagency initiatives including MTA Police Department plus an MTA-wide integrated computer systems initiative, \$145 relates to MTA Bus company initiatives; and \$1,209 relates to the ongoing repairs of, and replacements to, MTA Bridges and Tunnels facilities.

The combined funding sources for the MTA Board-approved 2005-2009 MTA Capital Programs and 2005-2009 MTA Bridges and Tunnels Capital Program include \$9,430 in MTA and MTA Bridges and Tunnels Bonds, \$1,450 in New York State general obligation bonds approved by the voters in the November 2005 election, \$8,892 in Federal Funds, and \$3,945 from other sources.

At December 31, 2008, \$14,512 had been committed and \$6,576 had been expended for the combined 2005-2009 MTA Capital Programs and the 2005-2009 MTA Bridges and Tunnels Capital Program.

#### *2000-2004 Capital Program*

Capital programs covering the years 2000-2004 were originally approved by the MTA Board in April 2000 and subsequently by the CPRB in May 2000 for (1) the commuter railroad operations of the MTA conducted by MTA Long Island Rail Road and MTA Metro-North Railroad (the "2000-2004 Commuter Capital Program"), (2) the transit system operated by the MTA New York City Transit and its subsidiary, MaBSTOA, and the rail system operated by MTA Staten Island Railway (the "2000-2004 Transit Capital Program"), and (3) the toll bridges and tunnels operated by MTA Bridges and Tunnels (the "2000-2004 MTA Bridges and Tunnels Capital Program"). The 2000-2004 MTA Bridges and Tunnels Capital Program was effective upon adoption by the MTA Board in April 2000. The 2000-2004 amended Commuter Capital Program and the 2000-2004 amended Transit Capital Program (collectively, the "2000-2004 MTA Capital Programs") were most recently amended by the MTA Board in December 2006. This latest 2000-2004 MTA Capital Program amendment was submitted to the CPRB for approval in April 2007, but was subsequently vetoed.

As last amended by the MTA Board, the 2000-2004 MTA Capital Programs and the 2000-2004 MTA Bridges and Tunnels Capital Program, provide for \$21,147 in capital expenditures, of which \$10,295 relates to ongoing repairs of, and replacements to, the Transit System operated by MTA New York City Transit and MaBSTOA and the rail system operated by MTA Staten Island Railway; \$3,959 relates to ongoing repairs of, and replacements to, the Commuter System operated by MTA Long Island Rail Road and MTA Metro-North Railroad; \$4,689 relates to the expansion of existing rail networks for both the transit and commuter systems to be managed by MTA Capital Construction; \$450 relates to planning and design and customer service projects; \$249 relates to World Trade Center repair projects; \$1,003 relates to the ongoing repairs and replacements to MTA Bridges and Tunnels facilities; and \$502 relates to MTA Bus.

# Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

The combined funding sources for the MTA Board-approved 2000–2004 MTA Capital Programs and 2000–2004 MTA Bridges and Tunnels Capital Program include \$7,919 in bonds, \$6,522 in Federal funds, \$4,575 from the proceeds of the MTA/MTA Bridges and Tunnels debt restructuring in 2002, and \$2,131 from other sources.

At December 31, 2008, \$20,443 had been committed and \$18,474 had been expended for the combined 2000-2004 MTA Capital Programs and the 2000-2004 MTA Bridges and Tunnels Capital Program.

The federal government has a contingent equity interest in assets acquired by the MTA with federal funds, and upon disposal of such assets, the federal government may have a right to its share of the proceeds from the sale. This provision has not been a substantial impediment to the MTA's operation.

## 2—Significant Accounting Policies

In accordance with GASB Statement No. 20, Accounting and Financial Reporting for Proprietary Fund Accounting, the MTA applies all applicable GASB pronouncements as well as Financial Accounting Standards Board ("FASB") Statements and Interpretations issued on or before November 30, 1989, that do not conflict with GASB pronouncements. The MTA has elected not to apply FASB Standards issued after November 30, 1989.

### Estimates

Financial statements prepared in accordance with GAAP require the use of estimates made by management for certain account balances and transactions. Actual results may differ from these estimates.

### Principles of Consolidation

The consolidated financial statements consist of MTAHQ, MTA Long Island Rail Road, MTA Metro-North Railroad, MTA Staten Island Railway, MTA Long Island Bus, FMTAC, MTA Bus, MTA Capital Construction, MTA New York City Transit (including its subsidiary MaBSTOA), and MTA Bridges and Tunnels. All significant related group transactions have been eliminated for consolidation purposes.

### Basis of Accounting

The MTA follows enterprise fund and accrual basis of accounting, which is similar in presentation to private business enterprises.

### Investments

The MTA Group's investment policies comply with the New York State Comptroller's guidelines for such operating and capital policies. Those policies permit investments in, among others, obligations of the U.S. Treasury, its agencies and instrumentalities, and repurchase agreements secured by such obligations. FMTAC's investment policies comply with New York State Comptroller guidelines and New York State Department of Insurance guidelines.

Investments expected to be utilized within a year of December 31 have been classified as current assets in the financial statements.

All investments are recorded on the balance sheets at fair value and all investment income, including changes in the fair value of investments, is reported as revenue on the statement of revenues, expenses and changes in net assets. Fair values have been determined using quoted market values at December 31, 2008 and December 31, 2007.

### Materials and Supplies

Materials and supplies are valued principally at the lower of average cost or market value, net of obsolescence reserve.

### Prepaid Expenses and Other Current Assets

Prepaid expenses and other current assets reflect advance payment of insurance premiums as well as farecard media related with ticket machines, WebTickets and AirTrain tickets.

### Capital Assets

Properties and equipment are carried at cost and are depreciated on a straight-line basis over estimated useful lives. Expenditures for maintenance and repairs are charged to operations as incurred.

### Liability Insurance

FMTAC, an insurance captive subsidiary of MTA, operates a liability insurance program ("ELF") that insures certain claims in excess of the self-insured retention limits of the agencies on both a retrospective (claims arising from incidents that occurred before October 31, 2003) and prospective (claims arising from incidents that occurred on or after October 31, 2003) basis. For claims arising from incidents that occurred on or after November 1, 2001, but before November 1, 2006, the self-insured retention limits are: \$7 million for MTA New York City Transit, MaBSTOA, MTA Bus, MTA Staten Island Railway, MTA Long Island Rail Road, and MTA Metro-North Railroad; \$2 million for MTA Long Island Bus;



Years Ended December 31, 2008 and 2007

(\$ in millions)

and \$1.4 million for MTAHQ and MTA Bridges and Tunnels. Effective November 1, 2006, the self-insured retention limits for ELF were increased to the following amounts: \$8 million for MTA New York City Transit, MABSTOA, MTA Bus, MTA Staten Island Railway, MTA Long Island Rail Road and MTA Metro-North Railroad; \$2.3 million for MTA Long Island Bus; and \$1.6 million for MTAHQ and MTA Bridges and Tunnels. The maximum amount of claims arising out of any one occurrence is the total assets of the program available for claims, but in no event greater than \$50 million. The retrospective portion contains the same insurance agreements, participant retentions, and limits as existed under the ELF program for occurrences happening on or before October 30, 2003. On a prospective basis, FMTAC issues insurance policies indemnifying the other MTA Group entities above their specifically assigned self-insured retention with a limit of \$50 million per occurrence with a \$50 million annual aggregate. FMTAC charges appropriate annual premiums based on loss experience and exposure analysis to maintain the fiscal viability of the program. On December 31, 2008, the balance of the assets in this program was \$62.1 million.

MTA also maintains an All-Agency Excess Liability Insurance Policy that affords the MTA Group additional coverage limits of \$350 million, for a total limit of \$400 million (\$350 excess of \$50). In certain circumstances, when the assets in the program described in the preceding paragraph are exhausted due to payment of claims, the All-Agency Excess Liability Insurance will assume the coverage position of \$50 million.

On March 1, 2008, the "nonrevenue fleet" automobile liability policy program was renewed. This program provides third-party auto liability insurance protection for the MTA Group with the exception of MTA New York City Transit and MTA Bridges and Tunnels. The policy provides \$8 million per occurrence limit with a \$0.5 million per occurrence deductible. FMTAC renewed its deductible buy back policy, where it assumes the liability of the agencies for their deductible.

On March 1, 2008, the "Access-A-Ride" automobile liability policy program was renewed. This program provides third-party auto liability insurance protection for the MTA New York City Transit's Access-A-Ride program, including the contracted operators. This policy provides a \$3 million per occurrence limit with a \$1 million per occurrence deductible.

On December 15, 2008, FMTAC renewed the primary coverage on the Station Liability and Force Account liability policies \$8 million per occurrence loss for MTA Metro-North Railroad and MTA Long Island Rail Road.

#### Property Insurance

Effective October 31, 2007, FMTAC renewed the all-agency property insurance program. For the period October 31, 2007 through May 1, 2009, FMTAC directly insures property damage claims of the other MTA Group entities in excess of a \$25 million per occurrence self-insured retention ("SIR"), subject to an annual \$75 million aggregate. Losses occurring after the retention aggregate is exceeded are subject to a deductible of \$7.5 million per occurrence. The total program limit has been maintained at \$1.25 billion per occurrence covering property of the related entities collectively. With the exception of acts of terrorism (both domestic and foreign), FMTAC is reinsured in the domestic, London, European, and Bermuda marketplaces for this coverage. Given the absence of major catastrophes in 2006 and 2007, available capacity has emerged, along with pricing reductions. As a result, FMTAC was able to obtain additional reinsurance capacity over last year and has fully reinsured the all-risk component for the full \$1.25 billion, subject to certain program sublimits.

The property insurance, which was subject to a renewal on October 31, 2007, provides replacement cost coverage for all risks of direct physical loss or damage to all real and personal property, with minor exceptions. The policy also provides extra expense and business interruption coverages.

With respect to acts of terrorism, FMTAC is reinsured by the United States Government for 85 percent of "certified" losses, as covered by the Terrorism Risk Insurance Act (TRIA) of 2007 (originally introduced in 2002). Under the 2007 extension, terrorism acts sponsored by both foreign and domestic organizations are covered. Until 2007, the Act only provided coverage for acts sponsored by foreign organizations. The remaining 15 percent of MTA Group losses would be covered under an additional policy described below. Additionally, no federal compensation will be paid unless the aggregate industry insured losses exceed \$100 million ("trigger").

To supplement the reinsurance to FMTAC through TRIA of 2007, the MTA obtained an additional commercial reinsurance policy with Lexington Insurance Co. Lexington Insurance Company is part of the AIG Property and Casualty Group (the Insurance Group). The 16 companies comprising the Insurance Group were all profitable in 2008. The various companies comprising the Insurance Group, which are incorporated in four states, New York, Pennsylvania, Delaware and Illinois, are protected from weaknesses in the financial position of American International Group, Inc. by insurance regulations in each of the above-referenced states. These statutory protections are designed to protect policyholders from the financial weaknesses at American International Group, Inc. That policy provides coverage for (1) 15 percent of any "certified" act of terrorism – up to a maximum recovery of \$183.75 million for any one occurrence, or (2) 100 percent of any "certified" terrorism loss which does not reach the \$100 million trigger – up to a maximum recovery of \$100 million for any occurrence. This coverage expires on April 30, 2009. Recovery under this policy is subject to a retention of \$25 million per occurrence and \$75 million in the annual aggregate –

Years Ended December 31, 2008 and 2007

(\$ in millions)

in the event of multiple losses during the policy year. Should the MTA Group's retention in any one year exceed \$75 million, future losses in that policy year are subject to a retention of just \$7.5 million.

## Operating Revenues

### Passenger Revenue and Tolls

Revenues from the sale of tickets, tokens, electronic toll collection system, and farecards are recognized as income as they are used.

Deferred revenue is recorded for the estimated amount of unused tickets, tokens, and farecards.

## Nonoperating Revenues

- *Operating Assistance* — The MTA Group receives, subject to annual appropriation, NYS operating assistance funds that are generally recognized as revenue when all applicable eligibility requirements are met. Generally, funds received under the NYS operating assistance program are fully matched by contributions from NYC and the seven other counties within the MTA's service area.
- *Mortgage Recording Taxes ("MRT")* — Under NYS law, the MTA receives capital and operating assistance through a Mortgage Recording Tax (MRT-1), which is collected by NYC and the seven other counties within the MTA's service area, at the rate of .25 of one percent of the debt secured by certain real estate mortgages. Effective June 2005, the rate was increased from 25 cents per 100 dollars of recorded mortgage to 30 cents per 100 dollars of recorded mortgage. The MTA also receives an additional Mortgage Recording Tax (MRT-2) of .25 of one percent of certain mortgages secured by real estate improved or to be improved by structures containing one to six dwelling units in the MTA's service area. MRT-1 and MRT-2 taxes are recognized as revenue based upon reported amounts of taxes collected.
  - MRT-1 proceeds are initially used to pay MTAHQ's operating expenses. Remaining funds, if any, are allocated 55 percent to certain transit operations and 45 percent to the commuter railroads operations. The commuter railroad portion is first used to fund the NYS Suburban Highway Transportation Fund in an amount not to exceed \$20 annually (subject to the moneys being returned under the conditions set forth in the governing statute if the Commuter Railroads are operating at a deficit). As of December 31, 2008 and December 31, 2007, the amount allocated to NYS Suburban Highway Transportation Fund was \$0 and \$20 respectively. Of the New York City Transit portion, the MTA distributed \$115.3 and \$0 as of December 31, 2008 and December 31, 2007, respectively.
  - The first \$5 of the MRT-2 proceeds is transferred to the MTA Dutchess, Orange, and Rockland Fund (\$1.5 each for Dutchess and Orange Counties and \$2 for Rockland County). Additionally, the MTA must transfer to each County's fund an amount equal to the product of (i) the percentage by which each respective County's mortgage recording tax payments (both MRT-1 and MRT-2) to the MTA increased over such payments in 1989 and (ii) the base amount received by each county as described above. The counties do not receive any portion of the June 1, 2005 increase in MRT-1 from 25 cents per \$100 of recorded mortgage to 30 cents. Excess amounts transferable to the counties as of December 31, 2008 and 2007, were \$5.7 and \$11.7, respectively. In 2008, the MTA distributed \$24.6 to MTA Bus and paid to Dutchess, Orange and Rockland Counties the 2007 excess amounts of MRT-1 and MRT-2 totaling \$11.7. The amount due to the counties for the period ended December 31, 2008 was paid in February of 2009.
  - In addition, MTA New York City Transit receives operating assistance directly from NYC through a mortgage recording tax at the rate of .625 of one percent of the debt secured by certain real estate mortgages and through a property transfer tax at the rate of one percent of the assessed value (collectively referred to as "Urban Tax Subsidies") of certain properties.
- *Dedicated Taxes* — Under NYS law, subject to annual appropriation, the MTA receives operating assistance through a portion of the Dedicated Mass Transportation Trust Fund ("MTTF") and Metropolitan Mass Transportation Operating Assistance Fund ("MMTOA"). The MTTF receipts consist of a portion of the revenues derived from certain business privilege taxes imposed by the State on petroleum businesses, a portion of the motor fuel tax on gasoline and diesel fuel, and a portion of certain motor vehicle fees, including registration and nonregistration fees. Effective October 1, 2005, the State increased the amount of motor vehicle fees deposited into the MTTF for the benefit of the MTA. MTTF receipts are applied first to meet certain debt service requirements or obligations and second to pay operating and capital costs. The MMTOA receipts are comprised of .375 of one percent regional sales tax (which was increased effective June 1, 2005 from .25 of one percent), a temporary regional franchise tax surcharge, a portion of taxes on certain transportation and transmission companies, and an additional portion of the business privilege tax imposed on petroleum businesses. MMTOA receipts, to the extent that MTTF receipts are not sufficient to meet debt service requirements, will also be applied to certain debt service obligations, and secondly to operating and capital costs of the Transit System, and the Commuter Railroads.

The State Legislature enacts in an annual budget bill for each state fiscal year an appropriation to the MTA Dedicated Tax Fund for the then-current state fiscal year and an appropriation of the amounts projected by the Director of the Budget of the State to be deposited in the MTA Dedicated Tax Fund for the next succeeding state fiscal year. The assistance deposited into the MTTF is required by law to be allocated, after provision for debt service on Dedicated Tax Fund Bonds (see Note 7), 85 percent to certain transit operations (not including

Years Ended December 31, 2008 and 2007

(\$ in millions)

MTA Bus) and 15 percent to the commuter railroads operations. Revenues from this funding source are recognized based upon amounts of tax reported collected by NYS, to the extent of the appropriation.

- *Operating Subsidies Recoverable from Connecticut Department of Transportation ("CDOT")* — The portion of the deficit from operations relating to MTA Metro-North Railroad's New Haven line is recoverable from CDOT. Under the terms of a renewed Service Agreement, which began on January 1, 2000, and the 1998 resolution of an arbitration proceeding initiated by the State of Connecticut, CDOT pays 100 percent of the net operating deficit of MTA Metro-North Railroad's branch lines in Connecticut (New Canaan, Danbury, and Waterbury), 65 percent of the New Haven mainline operating deficit, and a fixed fee for the New Haven line's share of the net operating deficit of Grand Central Terminal ("GCT") calculated using several years as a base, with annual increases for inflation and a one-time increase for the cost of operating GCT's North End Access beginning in 1999. The Service Agreement also provides that CDOT pay 100 percent of the cost of nonmovable capital assets located in Connecticut, 100 percent of movable capital assets to be used primarily on the branch lines and 65 percent of the cost of other movable capital assets allocated to the New Haven line. Remaining funding for New Haven line capital assets is provided by the MTA. The Service Agreement provides for automatic five-year renewals unless a notice of termination has been provided. The Service Agreement has been automatically renewed for an additional five years beginning January 1, 2005. Capital assets completely funded by CDOT are not reflected in these financial statements, as ownership is retained by CDOT. The Service Agreement provides that final billings for each year are subject to audit by CDOT. Years subsequent to 2000 remain subject to final audit.
- *Reimbursement of Expenses* — The cost of operating and maintaining the passenger stations of the Commuter Railroads in NYS is assessable by the MTA to NYC and the other counties in which such stations are located for each NYS fiscal year ending June 30, under provisions of the NYS Public Authorities Law. This funding is recognized as revenue based upon an amount, fixed by statute, for the costs to operate and maintain passenger stations and is revised annually by the increase or decrease of the regional Consumer Price Index.
- Pursuant to an agreement NYS and NYC each pays to MTA \$44.2 and \$45 respectively annually to cover a portion of the cost of the free-fare student program. The State, however, reduced its \$45 contribution for the 2007 – 2008 school year by approximately \$2.0 to \$43, which was received in 2008. The estimated cost of this program is approximately \$179 for the 2008-2009 school year. It is believed the City will continue to provide for the continuation of the City's \$45 contribution for the 2008-2009 school year, of which \$15 was received in December 2008. The Authority's approved 2009 Adopted Budget assumes that the remaining \$30 from the City will be received in 2009. It also assumes that the State's full \$45 for the 2008-2009 school year will be received in 2009. The Authority's 2010-2012 Financial Plan assumes the continuation of the joint funding of the free fare program for students.
- Policing of the transit system is carried out by the NYC Police Department at NYC's expense. The MTA, however, continues to be responsible for certain capital costs and support services related to such police activities, a portion of which is reimbursed by NYC. The MTA received approximately \$3.8 in the twelve months ended December 31, 2008, and \$4.2 in the twelve months ended December 31, 2007 for the reimbursement of Transit police costs. In addition, \$0.9 was received in January of 2009 for the period ending December 31, 2008.
- Federal law and regulations require a paratransit system for passengers who are not able to ride the buses and trains because of their disabilities. Pursuant to an agreement between NYC and the MTA, MTA New York City Transit had assumed operating responsibility for all paratransit service required in NYC by the Americans with Disabilities Act of 1990. The services are provided by private vendors under contract with MTA New York City Transit. NYC reimburses the MTA for the lesser of 33 percent of net paratransit operating expenses defined as labor, transportation, and administrative costs less fare revenues and 6.0 percent of gross Urban Tax Subsidies, or an amount that is 20.0 percent greater than the amount paid by the NYC for the preceding calendar year. Fare revenue and reimbursements aggregated approximately \$93.5 for the twelve months ended December 31, 2008 and \$111.8 in the twelve months ended December 31, 2007. Total paratransit expenses including paratransit service contract were \$366.2 and \$282.3 in 2008 and 2007 respectively.

#### Grants and Appropriations

Grants and appropriations for capital projects are recorded when requests are submitted to the funding agencies for reimbursement of capital expenditures and beginning in 2001 were recorded as nonoperating revenues in accordance with GASB Statement No. 33, Accounting and Financial Reporting for Nonexchange Transactions. These amounts are reported separately after Total Nonoperating Revenues in the Statements of Revenues, Expenses, and Changes in Net Assets.

#### Operating and Non-operating Expenses

Operating and non-operating expenses are recognized in the accounting period in which the liability is incurred. All expenses related to operating the Authority (e.g. salaries, insurance, depreciation, etc.) are reported as operating expenses. All other expenses (e.g. interest on long-term debt, subsidies paid to counties, etc.) are reported as non-operating expenses.

# Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

## Recent Accounting Pronouncements

The MTA has completed the process of evaluating the impact that will result from adopting GASB Statement No. 45, Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions and has disclosed the required information as per this statement in Note 5. The Statement establishes standards for the measurement, recognition, and display of OPEB expense/expenditures and related liabilities (assets), note disclosures, and if applicable, required supplementary information (RSI) in the financial reports of state and local governmental employers. The Statement was effective for financial statement periods beginning after December 15, 2006.

The MTA has completed the process of evaluating the impact that will result from adopting GASB Statement No. 48, Sales and Pledges of Receivables and Future Revenues and Intra-Entity Transfers of assets and Future Revenues. The MTA has concluded that GASB Statement No. 48 had no impact on its financial position, results from operations, and cash flows. The Statement establishes criteria that governments will use to ascertain whether proceeds received should be reported as revenues or as a liability. The Statement is effective for fiscal periods beginning after December 15, 2006.

The MTA has implemented GASB Statement No. 49, Accounting and Financial Reporting for Pollution Remediation Obligations. This Statement addresses accounting and financial reporting standards for pollution (including contamination) remediation obligations. The Statement is effective for fiscal periods beginning after December 15, 2007. For the year ended December 31, 2008 the MTA recorded expenses of \$43.1 as a result of adopting GASB Statement No. 49. (See Note 11)

The MTA has not completed the process of evaluating the impact that will result from implementing GASB Statement No. 51, Accounting and Financial Reporting for Intangible Assets. The MTA is therefore unable to disclose the impact GASB Statement No. 51 will have on its financial position results of operations, and cash flows when such statement is adopted. This statement amends GASB Statement No. 34, paragraphs 19–21, and GASB Statement No. 42, Accounting and Financial Reporting for Impairment of Capital Assets and for Insurance Recoveries, paragraphs 9e, 16, and 18 and relates to the recognition and recording of intangible assets as capital assets in the statement of net assets. The requirements of this Statement are for financial statements for periods beginning after June 15, 2009.

The MTA has not completed the process of evaluating the impact that will result from implementing GASB Statement No. 53, Accounting and Financial Reporting for Derivative Instruments. The MTA is therefore unable to disclose the impact GASB Statement No. 53 will have on its financial position results of operations, and cash flows when such statement is adopted. This Statement addresses the recognition, measurement, and disclosure of information regarding derivative instruments, and addresses hedge accounting requirements. This statement is effective for financial statements for periods beginning after June 15, 2009.

The MTA has not completed the process of evaluating the impact that will result from implementing GASB Statement No. 54, Fund Balance Reporting and Governmental Fund Type Definitions. This statement establishes accounting and financial reporting standards for all governments that report governmental funds. It establishes criteria for classifying fund balances into specifically defined classifications and clarifies definitions for governmental fund types. This statement is effective for financial statements for periods beginning after June 15, 2010.

## 3—Cash and Investments

Cash, including deposits in transit, consists of the following at December 31, 2008 and 2007:

	December 2008		December 2007	
	Carrying Amount	Bank Balance	Carrying Amount	Bank Balance
FDIC insured or collateralized deposits	\$130	\$127	\$ 69	\$ 69
Uninsured and not collateralized	76	37	61	79
	<b>\$206</b>	<b>\$164</b>	<b>\$130</b>	<b>\$148</b>

All collateralized deposits are held by the MTA or its agent in the MTA's name.

The MTA, on behalf of the Transit operations, MTA Bridges and Tunnels, MTA Long Island Bus, and MTA Bus operations, invests funds which are not immediately required for the MTA's operations in securities permitted by the New York State Public Authorities Law, including repurchase agreements collateralized by U.S. Treasury securities, U.S. Treasury notes, and U.S. Treasury zero coupon bonds.

The MTA's uninsured and uncollateralized deposits are primarily held by commercial banks in the metropolitan New York area and are subject to the credit risks of those institutions.

## Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

MTA holds most of its investments at a custodian bank. The custodian must meet certain banking institution criteria enumerated in MTA's Investment Guidelines. The Investment Guidelines also require the Treasury Division to hold at least \$100 of its portfolio with a separate emergency custodian bank. The purpose of this deposit is in the event that the MTA's main custodian cannot execute transactions due to an emergency outside of the custodian's control, the MTA has an immediate alternate source of liquidity.

Investments, at fair value, consist of the following at December 31, 2008 and 2007:

	December 2008	December 2007
Repurchase agreements	\$ 780	\$ 585
U.S. Treasuries due 2008-2022	1,071	1,967
Investments restricted for capital lease obligations:		
US Treasury Notes	—	8
Treasury Strips	153	112
Other Agencies	1,191	1,371
Sub-total	1,344	1,491
Other Agencies due 2008-2021	1,264	1,055
Commercial Paper due 2008	—	99
* Asset & Mortgage Back Securities	16	57
* Commercial Mortgage Backed Securities	35	26
* Corporate Bonds	88	120
* Foreign Bonds	31	
* Equities	11	18
<b>Total</b>	<b>\$ 1,344</b>	<b>\$ 5,418</b>

\*FMTAC Investment

Fair values include accrued interest to the extent that interest is included in the carrying amounts. Accrued interest on investments other than Treasury bills and coupons is included in other receivables on the balance sheet. The MTA's investment policy states that securities underlying repurchase agreements must have a market value at least equal to the cost of the investment.

In connection with certain lease transactions described in Note 8, the MTA has purchased securities or entered into payment undertaking, letter of credit, or similar type agreements or instruments (guaranteed investment contracts) with financial institutions, which generate sufficient proceeds to make basic rent and purchase option payments under the terms of the leases. If the obligors do not perform, the MTA may have an obligation to make the related rent payments.

All investments, other than the investments restricted for capital lease obligations, are either insured or registered and held by the MTA or its agent in the MTA's name. Investments restricted for capital lease obligations are either held by MTA or its agent in the MTA's name or held by a custodian as collateral for MTA's obligation to make rent payments under capital lease obligation. Investments had weighted average yields of 2.8 percent and 4.1 percent at year end for the years, 2008 and 2007, respectively.

Of the above cash and investments, amounts designated for internal purposes by management were as follows at December 31, 2008 and 2007:

	December 2007	December 2006
Construction or acquisition of capital assets	\$ 956	\$1,975
Funds received from affiliated agencies for investment	688	830
Debt service	353	230
Payment of claims	363	296
Restricted for capital leases	1,387	1,491
Other	693	306
<b>Total</b>	<b>\$4,440</b>	<b>\$5,128</b>

# Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

## Credit Risk

At December 31, 2008 and 2007, the following credit quality rating has been assigned to MTA investments by a nationally recognized rating organization:

Quality Rating Moody's	2008 Total	Percent of Portfolio	2007 Total	Percent of Portfolio
A-1+	\$ 890	24.43%	\$ 181	3.94%
A-1	—	—	63	1.36
AAA	570	15.66	1,122	24.43
AA	17	0.49	23	0.50
A	66	1.84	64	1.39
BBB	33	0.90	30	0.65
Not Rated	828	22.70	505	11.01
Government	1,239	33.98	2,604	56.72
Total	3,643	100.00%	4,592	100.00%
Investments not rated	997		826	
<b>Total Investment</b>	<b>\$4,640</b>		<b>\$5,418</b>	

## Interest Rate Risk

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of the investment. Duration is a measure of interest rate risk. The greater the duration of a bond or portfolio of bonds, the greater its price volatility will be in response to a change in interest rate risk and vice versa. Duration is an indicator of bond price's sensitivity to a 100 basis point change in interest rates.

Securities	2008		2007	
	Fair Value	Duration	Fair Value	Duration
U.S. Treasuries	\$ 1,071	0.32	\$ 2,293	0.13
U.S. Agencies	1,252	0.72	1,070	0.25
Tax Benefits Lease Investments	347	16.50	311	15.91
Repurchase Agreement	780	0.00	620	0.00
Certificate of Deposits	11	0.00	11	0.16
Asset-Backed Securities <sup>(1)</sup>	16	1.94	99	0.07
Commercial Mortgage-Backed Securities <sup>(1)</sup>	35	4.10	27	1.15
Foreign Bonds <sup>(1)</sup>	31	4.06	22	5.47
Corporates <sup>(1)</sup>	89	2.44	121	5.03
Total Fair Value	3,632		4,574	
Modified Duration		2.07		1.37
Equities <sup>(1)</sup>	11		18	
Total	3,643		4,592	
Investments with no duration reported	997		826	
<b>Total Investments</b>	<b>\$4,640</b>		<b>\$5,418</b>	

(1) These securities are only included in the FMTAC portfolio

MTA is a public benefit corporation established under the New York Public Authorities Law. MTA's Treasury Division is responsible for the investment management of the funds of the Related Entities. The investment activity covers all operating and capital funds, including bond proceeds, and the activity is governed by State statutes, bond resolutions and the Board-adopted investment guidelines (the "Investment Guidelines"). The MTA Act currently permits the Related Entities to invest in the following general types of obligations:

- obligations of the State or the United States Government;
- obligations the principal and interest of which are guaranteed by the State or the United States government;
- obligations issued or guaranteed by certain Federal agencies;
- repurchase agreements fully collateralized by the obligations of the foregoing United States Government and Federal agencies;

Years Ended December 31, 2008 and 2007

(\$ in millions)

- certain certificates of deposit of banks or trust companies in the State;
- certain banker's acceptances with a maturity of 90 days or less;
- certain commercial paper;
- certain municipal obligations; and
- certain mutual funds up to \$10 in the aggregate.

MTA Investment Guidelines limit the dollar amount invested in banker acceptances, commercial paper, and obligations issued or guaranteed by certain Federal agencies to \$250 at cost. There are no dollar limits on the purchase of obligations of the United States government, the State or obligations the principal and interest of which are guaranteed by the State or the United States government. Investments in collateralized repurchase agreements are limited by dealer's or bank's capital. MTA can invest no greater than \$300 with a bank or dealer rated in Tier 1 (i.e. \$1 billion or more of capital).

FMTAC is created as a MTA subsidiary and is licensed as a captive direct insurer and reinsurer by the New York State Department of Insurance. As such FMTAC is responsible for the investment management of its funds. The investment activity is governed by State statutes and the FMTAC Board-adopted investment guidelines. The minimum surplus to policyholders and reserve instruments are invested in the following investments:

- obligations of the United States or any agency thereof provided such agency obligations are guaranteed as to principal and interest by the United States;
- direct obligations of the State or of any county, district or municipality thereof;
- any state, territory, possession or any other governmental unit of the United States;
- certain bonds of agencies or instrumentalities of any state, territory, possession or any other governmental unit of the United States;
- the obligations of a solvent American institution which are rated investment grade or higher (or the equivalent thereto) by a securities rating agency; and
- certain mortgage backed securities in amounts no greater than five percent of FMTAC's admitted assets.

FMTAC may also invest nonreserve instruments in a broader range of investments including the following general types of obligations:

- certain equities; and
- certain mutual funds.

FMTAC is prohibited from making the following investments:

- Investment in an insolvent entity;
- Any investment as a general partner; and
- Any investment found to be against public policy.

FMTAC investment guidelines do include other investments, but FMTAC has limited itself to the above permissible investments at this time.

## 4—Employee Benefits

Substantially all of the MTA Group entities, related groups and pension plans have separately issued financial statements that are publicly available and contain descriptions and supplemental information regarding employee benefit plans. These statements may be obtained by calling the administrative office of the respective related group.

### Pension Plans

The MTA Group entities sponsor and participate in a number of pension plans for their employees. These plans are not component units of the MTA and are not included in the combined financial statements.

### Defined Benefit Pension Plans

#### Single-Employer Pension Plans

#### MTA Long Island Rail Road Plan for Additional Pensions

*Plan Description* — The Long Island Rail Road Plan for Additional Pensions (“the LIRR Plan”) is a single-employer pension defined benefit plan that provides retirement, disability and death benefits to plan members and beneficiaries. The LIRR Plan is administered by the MTA Defined Benefit Pension Board which has the authority to establish or amend obligations to the LIRR Plan. The LIRR Plan is a governmental plan and accordingly, is not subject to the funding and other requirements of the Employee Retirement Income Security Act of 1974 (“ERISA”). The pension plan has a separately issued financial statement that is publicly available and contains required descriptions and supplemental information regarding the employee benefit plan. The statements may be obtained by writing to Metropolitan Transportation Authority, Comptroller, 345 Madison Avenue, New York, New York 10017-3739.

*Funding Policy* — The LIRR Plan has both non-contributory and contributory requirements. Participants who entered qualifying service before July 1, 1978 are not required to contribute. Participants who entered qualifying service on or after July 1, 1978 contribute 3 percent of their wages. The MTA Long Island Rail Road contributes additional amounts based on actuarially determined amounts that are designed to accumulate sufficient assets to pay benefits when due. The current rate is 123.98 percent of annual covered payroll.

The funded status of the LIRR Plan as of January 1, 2008 the most recent actuarial valuation date, is as follows:

	2008
Annual required contribution (“ARC”)	\$ 100.3
Interest on net pension obligation	3.2
Adjustment to ARC	(3.8)
Annual pension cost	99.7
Actual contributions made	(100.0)
Decrease in net pension obligation	(0.3)
Net pension obligation beginning of year	40.4
Net pension obligation end of year	\$ 40.1

### Three-Year Trend Information

The schedule of funding progress, presented as RSI following the notes to the financial statements, presents multiyear trend information about whether the actuarial value of plan assets is increasing or decreasing over time relative to the actuarial accrued liability for benefits.

#### Funded Status and Funding Progress

As of January 1, 2008, the most recent actuarial valuation date, the LIRR Plan was 34.5 percent funded. The actuarial accrued liability for benefits was \$1,560.1, and the actuarial value of assets \$537.6, resulting in an unfunded actuarial accrued liability (“UAAL”) of \$1,022.5. The covered payroll (annual payroll of active employees covered by the LIRR plan) was \$80.9, and the ratio of the UAAL to the covered payroll was 1,263.5 percent.



## Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

Year Ended	Annual Pension Cost	% of Annual Pension Cost Contributed	Net Pension Obligation
12/31/2008	\$ 99.7	100.23%	\$ 40.1
12/31/2007	100.4	100.50	40.4
12/31/2006	106.5	101.91	175.6

### Actuarial Methods and Assumptions

Actuarial valuations involve estimates of the value of reported amounts and assumptions about the probability of events far into the future and actuarially determined amounts are subject to continual revision as actual results are compared to past expectations and new estimates are made about the future. The significant actuarial methods and assumptions used in the LIRR Plan actuarial valuation at January 1, 2008 were not changed from those used for the LIRR Plan at January 1, 2006 with the exception of the mortality assumption which was revised to reflect the RP-2000 Disabled Annuitant mortality table for males and females and used beginning with the January 1, 2007 Valuation. The significant actuarial methods and assumptions used in the LIRR Plan at January 1, 2006 were as follows: the actuarial cost method and amortization method used was the entry age normal cost for all periods. For January 1, 2006 the amortization period for unfunded accrued liability was 27 years, with payments a level dollar amount. The asset valuation method utilized was a 5-year smoothing method for all periods. The investment rate of return was 8.0 percent for all periods. Investments and administrative expenses are paid from plan assets of the LIRR Plan. The remaining amortization period at December 31, 2008 was 25 years.

### Metro North Cash Balance Plan

*Plan Description* — The Metro-North Commuter Railroad Company Cash Balance Plan (the “MNR Plan”) is a single employer, defined benefit pension plan. The MNR Plan covers non-collectively bargained employees, formerly employed by Conrail, who joined MTA Metro-North Railroad as management employees between January 1 and June 30, 1983, and were still employed as of December 31, 1988. Effective January 1, 1989, these employees were covered under the Metro-North Commuter Railroad Defined Contribution Plan for Management Employees (the “Management Plan”) and the MNR Plan was closed to new participants. The assets of the Management Plan have been merged with the Metropolitan Transportation Authority Defined Benefit Plan for Non-Represented Employees as of the asset transfer date of July 14, 1995. The MNR Plan is designed to satisfy the applicable requirements for governmental plans under Section 401(a) and 501(a) of the Internal Revenue Code. Accordingly, the MNR Plan is tax-exempt and is not subject to the provisions of the Employee Retirement Income Security Act (ERISA) of 1974. This plan provides retirement and death benefits to plan members and beneficiaries.

*Funding Policy* — Funding for the MNR Plan is provided by MTA Metro-North Railroad which is a public benefit corporation that receives funding for its operations and capital needs from the MTA and the Connecticut Department of Transportation (“CDOT”). Certain funding by MTA is made to MTA Metro-North Railroad on a discretionary basis. The continuance of funding for the MNR Plan has been, and will continue to be, dependent upon the receipt of adequate funds.

MTA Metro-North Railroad’s funding policy with respect to the MNR Plan was to contribute the full amount of the pension benefit obligation (PBO) of approximately \$2.9 to the trust fund in 1989. As participants retire, distributions from the MNR Plan have been made by the Trustee. MTA Metro-North Railroad anticipated that no further payments would be made to the MNR Plan. However, the January 1, 2005 actuarial valuation resulted in an unfunded accrued liability of \$110 and the \$0.7 annual required contribution was paid to the MNR Plan in 2005. The January 1, 2007 actuarial valuation resulted in an unfunded accrued liability of \$.075 and the \$.01 annual required contribution was paid to the MNR Plan in 2007. The January 1, 2008 actuarial valuation resulted in an unfunded accrued liability of \$.065 and the \$.014 annual required contribution was paid to the MNR Plan in 2008. The market value of net assets available for benefits in the trust fund at December 31, 2008 was \$1.2, which is less than the current PBO of \$1.3. The MTA Metro-North Railroad has accrued this unfunded liability.

The funded status of the MNR Plan as of January 1, 2008 the most recent actuarial valuation date is as follows:

## Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

Amounts in thousands	2008
Annual required contribution	\$ 14.0
Interest on net pension obligation	(4.0)
Adjust to annual required contribution	10.0
Annual pension cost	20.0
Actual contributions	(14.0)
Increase in net obligation	6.0
Net pension obligation beginning of year	(78.0)
Net pension obligation end of year	\$(72.0)

### Three-Year Trend Information

Year Ended	Annual Pension Cost	% of Annual Pension Cost Contributed	Net Pension Obligation
<b>Amounts in thousands</b>			
12/31/2008	\$ 20.0	68.73%	\$ (72.0)
12/31/2007	16.0	58.83	(78.0)
12/31/2006	20.0	63.91	(85.0)

The schedule of funding progress, presented as RSI following the notes to the financial statements, presents multiyear trend information about whether the actuarial value of plan assets are increasing or decreasing over time relative to the actuarial accrued liability for benefits.

#### Funded Status and Funding Progress

As of January 1, 2008, the most recent actuarial valuation date, the MNR Plan was 95.4 percent funded. The actuarial accrued liability for benefits was \$1.4, and the actuarial value of assets was \$1.3, resulting in an unfunded actuarial accrued liability (UAAL) of \$0.065. The covered payroll (annual payroll of active employees covered by the plan) was \$6.8, and the ratio of the UAAL to the covered payroll was 1.0 percent.

Further information about the MNR Plan is more fully described in the separately issued financial statements which can be obtained by writing to the MTA Metro-North Railroad Chief Financial Officer, 347 Madison Avenue, New York, New York 10017-3739.

#### Actuarial Methods and Assumptions

Actuarial valuations involve estimates of the value of reported amounts and assumptions about the probability of events far into the future and actuarially determined amounts are subject to continual revision as actual results are compared to past expectations and new estimates are made about the future.

#### Manhattan and Bronx Surface Transit Operating Authority

**Plan Description** — MTA New York City Transit contributes to the Manhattan and Bronx Surface Transit Operating Authority (MaBSTOA) Plan (the "MaBSTOA Plan"), a single employer governmental retirement plan. MaBSTOA provides retirement, disability, and death benefits to plan members and beneficiaries which are similar to those benefits provided by NYCERS to similarly situated MTA New York City Transit employees. Article 12.08 of the MaBSTOA Plan assigns the authority to establish and amend the benefit provisions to the MaBSTOA Board. MaBSTOA issues a publicly available financial report that includes financial statements and required supplementary information for the MaBSTOA Plan. That report may be obtained by writing to MaBSTOA Pension Plan, New York City Transit Authority, Operations Accounting, 2 Broadway, 15th Floor, New York, NY 10004.

**Funding Policy** — The contribution requirements of plan members are established and may be amended only by the MaBSTOA Board in accordance with Article 10.01 of the MaBSTOA's Plan. MaBSTOA's funding policy for periodic employer contributions is to provide for actuarially determined amounts that are designed to accumulate sufficient assets to pay benefits when due. It is MaBSTOA's policy to fund, at a minimum, the current year's normal pension cost plus amortization of the unfunded actuarial accrued liability. For employees, the Plan has both contributory and noncontributory requirements depending on the date of entry into service. Employees entering qualifying service on or before July

## Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

26, 1976 are non-contributing. Certain employees entering qualifying service on or after July 27, 1976 are required to contribute 3% of their salary (See 2000 Plan Amendments). MaBSTOA's contribution rate is 35.9 percent of annual covered payroll.

MTA New York City Transit's contributions to the MaBSTOA Plan for the years ended December 31, 2008, 2007 and 2006 were \$201.9, \$179.2 and 159.6, respectively, equal to the annual required contributions for each year.

The funded status of the MaBSTOA Plan as of January 1, 2008 the most recent actuarial valuation date is as follows:

Amounts in thousands	2008
Annual required contribution	\$ 201.9
Interest on net pension obligation	(3.7)
Adjust to annual required contribution	5.1
Annual pension cost	203.3
Actual contributions	(201.9)
Increase in net obligation	1.4
Net pension obligation beginning of year	(46.0)
Net pension obligation end of year	\$ (44.6)

### Three-Year Trend Information

Year Ending	Annual Pension Cost	% of Annual Pension Cost Contributed	Net Pension Obligation
12/31/2008	\$203.3	99.3%	\$(44.6)
12/31/2007	180.7	99.2	(46.0)
12/31/2006	157.6	165.0	(47.5)

The schedule of funding progress, presented as RSI following the notes to the consolidated financial statements, present multiyear trend information about whether the actuarial value of plan assets are increasing or decreasing over time relative to the actuarial accrued liability for benefits.

#### Funded Status and Funding Progress

As of January 1, 2008, the most recent actuarial valuation date, the MaBSTOA Plan was 58.2 percent funded. The actuarial accrued liability for benefits was \$2,045.0, and the actuarial value of assets \$1,190.8, resulting in an unfunded actuarial accrued liability (UAAL) of \$854.1. The covered payroll (annual payroll of active employees covered by the MaBSTOA Plan) was \$562.2, and the ratio of the UAAL to the covered payroll was 151.9 percent.

#### Actuarial Methods and Assumptions

Actuarial valuations involve estimates of the value of reported amounts and assumptions about the probability of events far into the future and actuarially determined amounts are subject to continual revision as actual results are compared to past expectations and new estimates are made about the future. The January 1, 2008 valuation reflects the actuarial assumptions adopted by the MTA New York City Transit based on the 2001 – 2005 Experience Study effective with the valuation. These changes increased the life expectancy for members included in the valuation, incorporated future anticipated mortality improvements, decreased rates of turnover and modified rates of retirement, so fewer retirements are expected for members with less than 20 years of service and more retirements are expected for members with at least 20 years of service. These changes increased the unfunded accrued liability by \$135.5, which is being amortized over 10 years, and increased the total employer contribution by \$24.4.

The assumptions included an 8.0 percent investment rate of return and assumed general wage increases of 3.5 percent to 18.0 percent for operating employees and 4.5 percent and 7.0 percent for non-operating employees per year, depending on years of service. This also includes an inflation component of 2.5 percent per year.

# Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

Annual pension costs and related information about each plan follows:

	<u>Single-Employer Plans</u>		
	<u>LIRR</u>	<u>MaBSTOA</u>	<u>MNR Cash Balance Plan</u>
Date of valuation	1/1/2008	1/1/2008	1/1/2008
Required contribution rates:			(\$ in Thousands)
Plan members			
Employer:	variable actuarially determined	variable actuarially determined	variable actuarially determined
Employer contributions made in 2008	\$100.0	\$201.9	\$14.0
Three-year trend information:			
Annual Required Contribution			
2008	\$100.3	\$201.9	\$14.0
2007	100.9	179.2	10.0
2006	108.5	159.6	13.0
Percentage of ARC contributed:			
2008	100%	100%	100%
2007	100%	100%	100%
2006	100%	163%	100%
Annual Pension Cost (APC):			
2008	\$99.7	\$203.3	\$20.0
2007	100.4	180.7	16.0
2006	106.5	157.6	20.0
Net Pension Obligation (NPO) (assets) at end of year:			
2008	\$40.1	\$(44.6)	\$(72.0)
2007	40.4	(46.0)	(78.0)
2006	175.6	(47.5)	(85.0)
Percentage of APC contributed:			
2008	100%	99%	69%
2007	101%	99%	59%
2006	102%	165%	64%
Components of APC			
Annual required contribution (ARC)	\$100.3	\$201.9	\$14.0
Interest on NPO	3.2	(3.7)	(4.0)
Adjustment of ARC	(3.8)	5.1	10.0
APC	99.7	203.3	20.0
Contributions made	(100.0)	(201.9)	(14.0)
Change in NPO (assets)	(0.3)	1.4	6.0
NPO (assets) beginning of year	40.4	(46.0)	(78.0)
NPO (assets) end of year	\$40.1	\$(44.6)	\$(72.0)

# Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

	Single-Employer Plans		
	LIRR	MaBSTOA	MNR Cash Balance Plan
Actuarial cost method	Entry age normal	Entry age normal frozen initial liability	Entry age normal frozen initial liability
Method to determine actuarial value of plan assets	5-year smoothing	5-year smoothing	5-year smoothing
Investment return	8.00%	8.00%	6.49%
Projected salary increases	3.5%	3.5% - 18.0%	3.5% - 36.2%
Consumer price inflation	2.50%	2.50%	2.50%
Amortization method and period	level dollar / 25 years	level dollar / 16 years	level dollar / 10 years
Period closed or open	closed	closed	closed

## Cost-Sharing Multiple-Employer Plans

### MTA Defined Benefit Plan

*Plan Description* — The MTA Defined Benefit Pension Plan (“MTA Plan”) is a cost sharing multiple-employer pension plan. The Plan includes certain MTA Long Island Rail Road nonrepresented employees hired after December 31, 1987, and MTA Metro-North Railroad nonrepresented employees, certain MTA Long Island Bus employees hired prior to January 23, 1983, MTA Police, certain MTA Long Island Rail Road represented employees hired after December 31, 1987, certain MTA Metro-North Railroad represented employees, employees of MTA Staten Island Railway and certain employees of the MTA Bus Company (“MTA Bus”). MTA Long Island Rail Road, MTA Metro-North Railroad, MTA, MTA Staten Island Railway and MTA Bus contribute to the MTA Plan, which offers distinct retirement, disability, and death benefits for covered MTA Metro-North Railroad and MTA Long Island Rail Road employees, covered MTA Bus employees, and participants of the MTA 20-Year Police Retirement Program, MTA Long Island Bus Employees’ Pension Plan, and the Staten Island Railway Pension Program. Participants of the MTA Police Program contribute to that program at various rates. Annual pension costs and related information about this plan are presented in the following table for all years presented as if the plan was a single-employer plan at the MTA level. The MTA Plan may be amended by action of the MTA Board.

A stand-alone financial report may be obtained by writing to the MTA Comptroller, 347 Madison Avenue, New York, New York, 10017. The current rate is 89.1 percent of annual covered payroll. The contribution requirements of the plan members and the MTA are established and may be amended by the MTA Board.

*Funding policy* — Employer contributions are actuarially determined on an annual basis and are recognized when due. Employee contributions to the Plan are recognized in the period in which the contributions are due. There are no contributions required under the MSBA Employee’s Pension Plan. The current rate is 89.1 percent of annual covered payroll. The contribution requirements of the plan members and the MTA are established and may be amended by the MTA Board. The MTA’s contributions to the Plan for the years ending December 31, 2008, 2007 and 2006 were \$107.8, \$106.6 and \$72.6, respectively, equal to the required contributions for each year.

The following summarizes the types of employee contributions made to the Plan:

Effective January 1, 1995, covered MTA Metro-North Railroad and MTA Long Island Rail Road non-represented employees are required to contribute to the Plan to the extent that their Railroad Retirement Tier II employee contribution is less than the pre-tax cost of the 3% employee contributions. Effective October 1, 2000, employee contributions, if any, were eliminated after ten years of making contributions to the Plan. MTA Metro-North Railroad employees may purchase prior service from January 1, 1983 through December 31, 1995 and MTA Long Island Rail Road employees may purchase prior service from January 1, 1988 through December 31, 1995 by paying the contributions that would have been required of that employee for the years in question, calculated as described in the first sentence, had the Plan been in effect for those years.

Covered MTA Metro-North Railroad and MTA Long Island Rail Road represented employees who first became eligible to be Plan participants on or after January 1, 2004 and MTA Staten Island Railway employees contribute 3 percent of salary. For these MTA Long Island Rail Road and MTA Staten Island Railway employees, contributions are not required after the completion of ten years of credited service. For certain Metro-North represented employees, the 3 percent contributions are required until January 1, 2017 and for others, June 30, 2017.

## Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

Covered MTA Bus employees contribute a fixed dollar amount which varies by depot. Currently, at Yonkers Depot, the employees contribute \$21.50 per week, at College Point, Baisley Park and LaGuardia Depots, represented employees contribute \$29.06 per week, at Eastchester, \$25.00 per week at Spring Creek, cleaners contribute \$23.15 per week and bus drivers and other titles \$32.00 per week. The plans covering the non-represented employees at Yonkers, Spring Creek, Baisley Park and LaGuardia and all employees at JFK and Far Rockaway are non-contributory. (Note: the dollar figures in this paragraph are in dollars, not millions of dollars).

### *New York City Employees' Retirement System ("NYCERS")*

*Plan Description* — MTA New York City Transit and MTA Bridges and Tunnels contribute to the New York City Employees' Retirement System, a cost-sharing multiple-employer retirement system for employees of NYC and certain other governmental units. NYCERS combines features of a defined-benefit pension plan with those of a defined-contribution pension plan. NYCERS provides pension benefits to retired employees based on salary and length of service. In addition, NYCERS provides disability benefits, cost-of-living adjustments, and death benefits subject to satisfaction of certain service requirements and other provisions. The NYCERS plan functions in accordance with existing NYS statutes and NYC laws and may be amended by action of the State Legislature. NYCERS issues a publicly available comprehensive annual financial report that includes financial statements and required supplementary information. That report may be obtained by writing to the New York City Employees' Retirement System, 340 Jay Street, Brooklyn, New York 11201.

*Funding Policy* — NYCERS is a contributory plan, except for certain employees who entered prior to July 27, 1976 who make no contribution. Employees who entered qualifying service after July 1976, contribute 3 percent of their salary. The State legislature passed legislation in 2000 that suspended the 3 percent contribution for most employees who have 10 years or more membership. MTA New York City Transit and MTA Bridges and Tunnels are required to contribute at an actuarially determined rate. The rates are 18.0 percent and 14.3 percent, respectively, of covered payroll. The contribution requirements of plan members and MTA New York City Transit and MTA Bridges and Tunnels are established and amended by law. MTA New York City Transit's required contributions for NYCERS fiscal years ended December 31, 2008, 2007 and 2006 were \$480.9, \$443.3 and \$333.2 respectively. MTA Bridges and Tunnels' contributions to NYCERS for the years ended December 31, 2008, 2007 and 2006 were \$20.4, \$18.5. and \$12.9 respectively. All contributions were equal to or in excess of the actuary's recommendation, plus interest.

### *New York State and Local Employees' Retirement System ("NYSLERS")*

*Plan Description* — MTAHQ and MTA Long Island Bus employees who were hired after January 23, 1983, are members of NYSLERS. In addition, employees of the Capital Company who are on its payroll are also members of NYSLERS. NYSLERS is a cost-sharing multiple-employer plan and offers a broad spectrum of benefits, including retirement, death and disability benefits, and cost of living adjustments. Further information about the plan is more fully described in the publicly available statement of NYSLERS and may be obtained by writing to New York State and Local Retirement System, Office of the State Comptroller, 110 State Street, Albany, New York, 12244-0001.

*Funding Policy* — Employees who became members prior to July 27, 1976 make no contributions. Employees who became members after that date contribute 3 percent of salary. In 2000, the State Legislature passed legislation that suspends the 3 percent contribution for employees who have 10 years or more of credited service. MTAHQ and MTA Long Island Bus are required to contribute at an actuarially determined rate. The current rate of annual covered payroll for MTAHQ and MTA Long Island Bus respectively is 8.3 percent and 8.0 percent. The MTAHQ NYSLERS contributions for the years ended December 31, 2008, 2007 and 2006 was approximately 5.7 percent, 5.5 percent, and 5.7 percent respectively. The MTA Long Island Bus NYSLERS contributions for the years ended December 31, 2008, 2007 and 2006 were approximately \$5.2, \$5.1, and 5.4 respectively.

## **Defined Contribution Plans**

### *Single-Employer*

The Long Island Rail Road Company Money Purchase Plan (the "Money Purchase Plan") is a defined contribution plan that covers certain represented employees who began service with MTA Long Island Rail Road after December 31, 1987. Beginning January 1, 2004, employees who were participants in the Money Purchase Plan have become participants in a New Program in the MTA Plan (the "New Program") and have similar benefits as those applicable to non-represented employees of MTA Long Island Rail Road in the MTA Plan. The MTA Board has voted to terminate the Money Purchase Plan and the Money Purchase Plan was terminated effective March 31, 2008. The Money Purchase Plan is currently making distributions of all participant accounts.

The Metro-North Commuter Railroad Company Defined Contribution Pension Plan for Agreement Employees (the "Agreement Plan"), established January 1, 1988, covers represented employees in accordance with applicable collective bargaining agreements. Under this plan, MTA Metro-North Railroad contributed an amount equal to 4 percent of each eligible employee's gross compensation to the Agreement Plan on that employee's behalf. For employees who have 19 or more years of service MTA Metro-North Railroad contributes 7 percent. In addition, employ-

Years Ended December 31, 2008 and 2007

(\$ in millions)

ees may voluntarily contribute up to the amount of MTA Metro-North Railroad's contribution to the Agreement Plan, on an after-tax basis. The Agreement Plan is administered by MTA Metro-North Railroad and the Agreement Plan's Board of Managers of Pension. Effective January 1, 2004, certain employees who were participants of the Agreement Plan became participants in the New Program in the MTA Plan and have similar benefits as those applicable to nonrepresented employees of MTA Metro-North Railroad in the MTA Plan. In 2007, the remaining represented employees also became participants in the New Program, unless they opted-out of the New Program. The "opt-out" employees became participants of the MTA 401(k) plan with the same employer contributions as the Agreement Plan. The MTA Board has voted to terminate this Agreement Plan and the Agreement Plan was terminated effective December 16, 2008. The Agreement Plan is currently making distributions of all participant accounts.

	December 31, 2008		December 31, 2007	
	MNR Agreement Plan	LIRR Money Purchase Plan	MNR Agreement Plan	LIRR Money Purchase Plan
Employer contributions	—	—	\$5.1	\$—
Employee contributions	—	—	\$0.3	\$—

### Deferred Compensation Plans

As permitted by Internal Revenue Code Section 457, the MTA has established a trust or custodial account to hold plan assets for the exclusive use of the participants and their beneficiaries. Plan assets and liabilities are not reflected on the MTA's combined balance sheets.

Certain MTA Group employees are also eligible to participate in a second deferred compensation plan established in accordance with Internal Revenue Code Section 401(k) (the "401(k) Plan"). Participation in the 401(k) Plan is available to most represented and nonrepresented employees. MTA Bus on behalf of certain MTA Bus employees and MTA Metro-North Railroad on behalf of those employees who opted-out of participation in the MTA Plan make contributions to the 401(k) Plan. The rate for the employer contribution varies. All amounts of compensation deferred under the 401(k) Plan, and all income attributable to such compensation, are in trust for the exclusive use of the participants and their beneficiaries. Accordingly, the 401(k) Plan is not reflected in the accompanying combined balance sheets.

## 5—Other Postemployment Benefits

The MTA has implemented GASB Statement No. 45, "Accounting and Financial Reporting for Employers for Postemployment Benefits Other Than Pensions" ("GASB 45"). This Statement establishes the standards for the measurement, recognition, and display of Other Postemployment Benefits ("OPEB") expense/expenditures and related liabilities (assets), note disclosures, and, if applicable, required supplementary information ("RSI") in the financial reports of state and local governmental employers.

Postemployment benefits are part of an exchange of salaries and benefits for employee services rendered. Most OPEB have been funded on a pay-as-you-go basis and have been reported in financial statements when the promised benefits are paid. GASB 45 requires state and local government's financial reports to reflect systematic, accrual-basis measurement and recognition of OPEB cost (expense) over a period that approximates employees' years of service and provides information about actuarial accrued liabilities associated with the OPEB and whether and to what extent progress is being made in funding the plan.

The MTA elected not to record the entire amount of the Unfunded Accrued Liability ("UAAL") in the year ended December 31, 2007, and record the net annual OPEB cost. The MTA also elected not to fund the UAAL more rapidly than on a pay-as-you-go basis. The UAAL relating to post-employment benefits decreased from \$13.6 billion as of December 31, 2007 to \$13.2 billion as of December 31, 2008. The end of the year liability equals the amount as of the beginning of the year plus interest at 4.2% less amortization amount included in the Annual Required Contribution for the prior year less or plus assumption changes and plan changes.

### Plan Description:

The benefits provided by the MTA Group include medical, pharmacy, dental, vision, and life insurance, plus monthly supplements for Medicare Part B or Medicare supplemental plan reimbursements and welfare fund contributions. The different types of benefits provided vary by agency and employee type (represented employees versus management). All benefits are provided upon retirement as stated in the applicable pension plan, although some agencies provide benefits to some members if terminated within five years of attaining retirement eligibility. Employees of the MTA Group are members of the following pension plans: the MTA Plan, the LIRR Plan, the MNR Plan, the MaBSTOA Plan, NYC-ERS and NYSLERS.

# Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

The MTA Group participates in the New York State Health Insurance Program ("NYSHIP") to provide medical and prescription drug benefits, including Medicare Part B reimbursements, to many of its members. NYSHIP provides a PPO plan and several HMO plans. Represented MTA New York City Transit, other MTA New York City Transit employees who retired prior to January 1, 1996 or January 1, 2001, and MTA Bus retirees do not participate in NYSHIP. These benefits are either provided through a self-insured health plan, a fully insured or an HMO.

GASB Statement No. 45 requires the valuation must be performed at least biennially. The most recent biennial valuation was performed for the year ended December 31, 2007 and was performed with a valuation date of January 1, 2006. The total number of plan participants as of December 31, 2008 and December 31, 2007 receiving retirement benefits is 45 thousand and 38 thousand respectively.

Since the MTA is a participating employer in NYSHIP, it does not issue a stand-alone financial report regarding post-employment benefits. The NYSHIP financial report can be obtained by writing to NYS Department of Civil Service, Employee Benefits Division, Alfred E. Smith Office Building, 805 Swan Street, Albany, NY 12239.

### Annual OPEB Cost and Net OPEB Obligation:

The MTA's annual OPEB cost (expense) represents the accrued cost for postemployment benefits under GASB 45. The cumulative difference between the annual OPEB cost and the benefits paid during a year will result in a net OPEB obligation (the "Net OPEB Obligation"), included on the balance sheet. The annual OPEB cost is equal to the annual required contribution (the "ARC") less adjustments if a Net OPEB Obligation exists and plus the interest on Net OPEB Obligations. The ARC is equal to the normal cost plus an amortization of the unfunded frozen actuarial accrued liability.

For determining the ARC, the MTA has chosen to use Frozen Initial Liability (the "FIL Cost Method") cost method, one of the cost methods in accordance with the parameters of GASB Statement No. 45. The initial liability is amortized over a 22 year period.

In order to recognize the liability over an employee's career, an actuarial cost method divides the present value into three pieces: the part that is attributed to past years (the "Accrued Liability" or "Past Service Liability"), the part that is being earned this year (the "Normal Cost"), and the part that will be earned in future years (the "Future Service Liability"). Under the FIL Cost Method, an initial past service liability is determined based on the Entry Age Normal ("EAN") Cost Method and is amortized separately. This method determines the past service liability for each individual based on a level percent of pay. The Future Service Liability is allocated based on the present value of future compensation for all members combined to determine the Normal Cost. In future years, actuarial gains/losses will be incorporated into the Future Service Liability and amortized through the Normal Cost.

### Actuarial Methods and Assumptions:

The FIL Cost Method was used for determining the Normal Cost. The Entry Age Normal ("EAN") Cost Method was used to determine the Frozen Accrued Liability and will be used to determine the unfunded actuarial accrued liability in the GASB 45 supplementary schedules. This method determines the Frozen Accrued Liability for each individual based on a level percent of pay for service accrued through the initial valuation date. The difference between the Actuarial Present Value of Benefits and the Frozen Accrued Liability equals the Present Value of Future Normal Cost. The Normal Cost equals the Present Value of Future Normal Cost divided by the present value of future compensation and multiplied by the total of current compensation for members less than certain retirement age.

The OPEB-specific actuarial assumptions used in the twelve months ended December 31, 2008, OPEB actuarial valuations are as follows:

Valuation date	January 1, 2006
Actuarial cost method	Frozen Initial Liability
Discount rate	4.2%
Per-Capita retiree contributions	*

\* In general, all coverages are paid for by the MTA. The exceptions are for Bridges and Tunnels, where surviving spouses pay a portion of the premium (10% for single coverage, 25% for dependent coverage) and MTA Headquarters where members retired prior to 1997 pay a portion of the premium, depending on the year they retired.

Actuarial valuation involves estimates of the value of reported amounts and assumptions about the probability of events far into the future, and that actuarially determined amounts are subject to continual revision as actual results are compared to past expectations and new estimates are made about the future.

### Valuation Date:

January 1, 2006 (January 1, 2007 for MTA)



## Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

### Discount Rate:

4.2%

### Per Capita Claim Costs:

For members of NYSHIP and certain MTA Staten Island Railway and MTA New York City Transit members who retired prior to NYSHIP availability, unadjusted premiums were used.

For [1] some of the self-insured benefits provided to pre-NYSHIP MTA New York City Transit members, [2] TWU Local 100, ATU 1056, and ATU 726 represented employees, and [3] MTA Bus employees, per capita claim costs adjusted by age were used. A sample of these claim costs are shown below:

Age	TWU Local 100 GHI Medical	TWU Local 100 Pharmacy	Pre-NYSHIP Group 1 Hospital	Pre-NYSHIP Retirees Pharmacy	Pre-NYSHIP Group 2 Hospital
Male Employees					
30-34	132.40	41.43	79.28	46.79	69.79
35-39	157.83	59.00	98.72	66.64	86.91
40-44	199.16	75.24	131.16	84.97	115.47
45-49	256.98	100.57	178.35	113.59	157.01
50-54	320.34	121.05	234.54	136.72	206.48
55-59	364.78	126.36	277.66	142.71	244.44
60-64	473.09	149.15	372.58	168.45	328.00
Female Employees					
30-34	259.97	69.63	173.83	78.64	153.03
35-39	257.28	82.61	167.05	93.30	147.07
40-44	261.23	101.58	162.14	114.73	142.74
45-49	294.56	127.90	181.72	144.45	159.97
50-54	330.81	150.66	210.21	170.16	185.06
55-59	352.73	164.37	233.16	185.64	205.27
60-64	432.35	181.08	304.58	204.52	268.14

### Medicare Part B Premiums:

The Medicare Part B premium reimbursement was included in the 2006 premium for those members covered by NYSHIP. Recently NYSHIP issued revised premiums for 2007 removing this reimbursement. Assuming the adjustment to the 2006 premium rate would be similar to that announced for 2007, the impact of using the revised premium rates (including the percentage increase in the premium rates from 2006 to 2007) on the ARC for the MTA was estimated. For other members, where applicable, the reimbursement was determined using the 2006 premium level and increasing this amount by the Health Care Cost Trend rates.

### Health Care Cost Trend Rates:

Fiscal Year	Trend	Fiscal Year	Trend
2008	10.5	2015	7.0
2009	10.0	2016	6.5
2010	9.5	2017	6.0
2011	9.0	2018	5.5
2012	8.5	2019+	5.0
2013	8.0		

In addition, 2006 premiums and claim costs were trended 11 percent to 2007.

# Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

*Participation:*

For members that participate in NYSHIP, 100 percent of eligible members, including current retirees and surviving spouses, are assumed to elect the Empire PPO Plan. For groups that do not participate in NYSHIP, various coverage election rates are used. The following table displays the election rates used for future union retirees in MTA New York City Transit:

	TWU 100	ATU 1056	ATU 726
<b>Future Retiree Plan Election Percentage</b>			
GHI	65 %	65 %	35 %
HIP	35	35	49
Aetna	0	0	16
<b>Medicare HIP/Aetna HMO Elections</b>			
VIP 1	80 %	100 %	75 %
VIP 2	20	0	0
Aetna	0	0	25

*Dependent Coverage:*

Current retirees are valued using coverage reported by the MTA. Based on an analysis of members who retired within the last five years, we have assumed that, for future retirees, 85 percent of male members and 55 percent of female members elect family coverage with a spouse.

*Demographic Assumptions:*

Mortality: Preretirement and postretirement healthy annuitant rates are projected on a generational basis using Scale AA, as recommended by the Society of Actuaries Retirement Plans Experience Committee.

Preretirement: RP-2000 Employee Mortality Table for Males and Females with blue collar adjustments. No blue collar adjustments were used for management members of MTAHQ.

Postretirement Healthy Lives: RP-2000 Healthy Annuitant mortality table for males with Blue Collar adjustments and 133 percent of the rates from the RP-2000 Healthy Annuitant mortality table for females. No blue collar adjustments were used for management members of MTAHQ.

Postretirement Disabled Lives: 75 percent of the rates from the RP-2000 Disabled Annuitant mortality table for males and females. At age 85 and later for males and age 77 and later for females, the disability rates are set to the male and female healthy rates, respectively.

Turnover and retirement rates: All demographic assumptions were based on assumptions utilized in the 2006 actuarial valuations for the pension plans, with the exception of the mortality assumption. The following is a table displaying the various sources of the assumptions utilized by group.

Group	Pension Plan
MaBSTOA	MaBSTOA
New York City Transit	NYCERS – NYCT
MTA Bridges and Tunnels	NYCERS – MTA Bridges and Tunnels
LIRR Pre-1988	LIRR Plan
LIRR Post-1987	MTA DB Plan
Metro-North Mgrs and ACRE	MTA DB Plan
Metro-North Other Unions	DC Plan – used same as ACRE
MTA Police	MTA DB Plan
Headquarters Mgrs and IBT	NYSLERS
Long Island Bus Pre-1983	MTA DB Plan
Long Island Bus Post-1982	NYSLERS
Staten Island Railway	MTA DB Plan
Yonkers, Eastchester, College Point	MTA DB Plan
Baisley Park, LaGuardia	TWU – NYC Private Bus Lines Pension Plan
JFK	Green Bus Lines Pension Plan
Spring Creek	Command – Local 1181 Pension Plan

## Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

### Vestee Coverage:

For members that participate in NYSHIP, certain vestees (members who have terminated employment with 10 or more years of retirement service credit, but not yet eligible to retire) are eligible for NYSHIP benefits provided by the applicable agency upon retirement, but must maintain NYSHIP coverage at their own expense from termination to retirement. Vestees are assumed to retire at first eligibility and would continue to maintain NYSHIP coverage based on the following percentages. This assumption is based on the Development of Recommended Actuarial Assumptions for New York State/SUNY GASB 45 Valuation report provided to Participating Employers of NYSHIP. These percentages were also applied to current vestees, which were only provided by Headquarters.

Age at Termination	Percent Electing
<40	0 %
40–43	5
44	20
45–46	30
47–48	40
49	50
50–51	80
52+	100

The following table shows the elements of the MTA's annual OPEB cost for the year, the amount actually paid, and changes in the MTA's net OPEB obligation to the plan for the years ended December 31, 2008 and 2007. The portion of this actuarial present value allocated to a valuation year is called the Normal Cost. Calculations are based on the types of benefits provided under the terms of the substantive plan at the time of each valuation and on the pattern of sharing costs between the employer and plan members to that point. Calculations reflect a long-term perspective.

	2008	2007
Annual required contribution ("ARC")	\$1,727.6	\$1,575.5
Interest on net OPEB obligation	54.1	0.0
Adjustment to ("ARC")	(113.0)	0.0
Annual OPEB cost	1,668.7	1,575.5
Payments made	(320.5)	(285.5)
Increase in net OPEB obligation	1,348.2	1,290.0
Net OPEB obligation — beginning of year	1,290.0	0.0
<b>Net OPEB obligation — end of year</b>	<b>\$2,638.2</b>	<b>\$1,290.0</b>

The MTA's annual OPEB cost, the percentage of annual OPEB cost contributed to, and the net OPEB obligation for the twelve months ended December 31, 2008 and the year ended December 31, 2007 is as follows:

Year Ended	Annual OPEB Cost	Percentage of Annual OPEB Cost	Net OPEB Obligation
December 31, 2008	\$1,668.7	19.2%	\$2,638.2
December 31, 2007	1,575.5	18.1	1,290.0

The Authorities funded status of the Plan is as follows:

Year Ended	Valuation Date	Actuarial Value of Assets {a}	Actuarial Accrued Liability (AAL) {b}	Unfunded Actuarial Accrued Liability (UAAL) {c}={b}-{a}	Funded Ratio {a}/{c}	Covered Payroll {d}	Ratio of UAAL to Covered Payroll {c}/{d}
December 31, 2008	January 1, 2006	—	\$13,241	\$13,241	—	\$4,557.1	290.6 %
December 31, 2007	January 1, 2006	—	13,623	13,623	—	4,381.9	310.9 %

The required schedule of funding progress immediately following the notes to the financial statements presents multiyear trend information about whether the actuarial value of plan assets is increasing or decreasing over time relative to the actuarial accrued liability for benefits.

# Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

## 6—Capital Assets

Capital assets and improvements include all land, buildings, equipment, and infrastructure of the MTA having a minimum useful life of two years and having a cost of more than \$25 thousand.

Capital assets are stated at historical cost, or at estimated historical cost based on appraisals, or on other acceptable methods when historical cost is not available. Capital leases are classified as capital assets in amounts equal to the lesser of the fair market value or the present value of net minimum lease payments at the inception of the lease.

Accumulated depreciation and amortization are reported as reductions of fixed assets. Depreciation is computed using the straight-line method based upon estimated useful lives of 25 to 50 years for buildings, 2 to 40 years for equipment, and 25 to 100 years for infrastructure. Capital lease assets and leasehold improvements are amortized over the term of the lease or the life of the asset whichever is less. Capital assets consist of the following at December 31, 2008 and 2007:

	Balance December 31, 2006	Additions	Deletions	Balance December 31, 2007	Additions	Deletions	Balance December 31, 2008
Capital assets — not being depreciated:							
Land	\$ 137	\$ 9	\$ —	\$ 146	\$ 6	\$ —	\$ 152
Construction work-in-progress	5,255	1,655	955	5,955	1,521	1,486	5,990
Total capital assets — not being depreciated	5,392	1,664	955	6,101	1,527	1,486	6,142
Capital assets, being depreciated:							
Buildings and structures	12,867	424	62	13,229	502	26	13,705
Bridges and tunnels	1,712	102	—	1,814	83	—	1,897
Equipment:	—	—	—	—	—	—	—
Passenger cars and locomotives	9,634	661	3	10,292	1,191	6	11,477
Buses	2,238	215	—	2,453	67	—	2,520
Infrastructure	12,764	890	30	13,624	1,097	22	14,699
Other	8,841	1,044	9	9,876	1,565	5	11,436
Total capital assets — being depreciated	48,056	3,336	104	51,288	4,505	59	55,734
Less accumulated depreciation:							
Buildings and structures	3,530	376	17	3,889	374	—	4,263
Bridges and tunnels	368	16	—	384	17	—	401
Equipment:	—	—	—	—	—	—	—
Passenger cars and locomotives	3,001	336	3	3,334	376	2	3,708
Buses	1,368	145	—	1,513	147	—	1,660
Infrastructure	3,615	430	16	4,029	459	11	4,477
Other	3,259	386	16	3,629	418	3	4,044
Total accumulated depreciation	15,141	1,689	52	16,778	1,791	16	18,553
Total capital assets — being depreciated — net	32,915	1,647	52	34,510	2,714	43	37,181
<b>Capital assets — net</b>	<b>\$38,307</b>	<b>\$3,311</b>	<b>\$1,007</b>	<b>\$40,611</b>	<b>\$4,241</b>	<b>\$1,529</b>	<b>\$43,323</b>

Interest capitalized in conjunction with the construction of capital assets at December 31, 2008 and 2007 was \$79.3 and \$62.8, respectively.

Capital assets acquired prior to April 1982 for MTA New York City Transit were funded primarily by NYC with capital grants made available to MTA New York City Transit. NYC has title to a substantial portion of such assets and, accordingly, these assets are not recorded on the books of the MTA. Subsequent acquisitions, which are part of the MTA Capital Program, are recorded at cost by MTA New York City Transit. In certain instances, title to MTA Bridges and Tunnels' real property may revert to NYC in the event the MTA determines such property is unnecessary for its corporate purpose.

## Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

For certain construction projects, the MTA holds in a trust account marketable securities pledged by third-party contractors in lieu of cash retainages. At December 31, 2008 and 2007 these securities totaled \$112.3 and \$82.4, respectively, and had a market value of \$120.9 and \$89.7, respectively, and are not included in these financial statements.

### 7—Long-Term Debt

	Original Issuance	December 31, 2007	Issued	Retired	Refunded	December 31, 2008
<b>MTA:</b>						
Transportation Revenue Bonds						
2.25% – 5.752% due through 2036	\$12,501	\$10,434	\$1,550	\$ 872	\$—	\$11,112
Transportation Revenue Bond Anticipation Notes						
Commercial Paper	750	750	655	737	—	668
State Service Contract Bonds						
3.00% – 5.50% due through 2031	2,395	2,243	—	49	—	2,194
Dedicated Tax Fund Bonds						
3.00% – 6.25% due through 2037	4,572	4,272	701	1,337	—	3,636
Certificates of Participation						
4.40% – 5.625% due through 2030	807	422	—	11	—	411
	<u>\$21,025</u>	<u>18,121</u>	<u>2,906</u>	<u>3,006</u>	<u>—</u>	<u>18,021</u>
Less net unamortized bond discount and premium		(328)	31	50	—	(347)
		<u>17,793</u>	<u>2,937</u>	<u>3,056</u>	<u>—</u>	<u>17,674</u>
<b>TBTA:</b>						
General Revenue Bonds						
4.00% – 5.77% due through 2033	\$ 6,920	4,757	1,705	203	—	6,259
Subordinate Revenue Bonds						
4.00% – 5.77% due through 2032	2,858	2,272	491	715	—	2,048
	<u>\$ 9,778</u>	<u>7,029</u>	<u>2,196</u>	<u>918</u>	<u>—</u>	<u>8,307</u>
Less net unamortized bond discount and premium		84	62	—	—	146
		<u>7,113</u>	<u>2,258</u>	<u>918</u>	<u>—</u>	<u>8,453</u>
Total		<u>24,906</u>	<u>\$5,195</u>	<u>\$3,974</u>	<u>—</u>	<u>26,127</u>
Current portion		(391)				(191)
<b>Long-term portion</b>		<b>\$24,515</b>				<b>\$25,936</b>

#### MTA Transportation Revenue Bonds

Prior to 2008, MTAHQ issued 22 series of Transportation Revenue Bonds secured under its General Resolution Authorizing Transportation Revenue Obligations adopted on March 26, 2002 in the aggregate principal amount of \$11,670.3. The Transportation Revenue Bonds are MTAHQ's special obligations payable solely from transit and commuter systems revenues and certain state and local operating subsidies.

During 2008, MTA issued three series of Transportation Revenue Bonds. On February 21, 2008, MTA issued the Transportation Revenue Bonds Series 2008A in the amount of \$512.5 and the Series 2008B Bonds in the amount of \$487.5. The combined proceeds of the Transportation Revenue 2008A and B Bonds were used to refund the following series of bonds: Dedicated Tax Fund Variable Rate Bonds Series 2007A1-5 with a combined par outstanding of \$430, the Transportation Revenue Variable Rate Refunding Bonds Series 2002G-2 with a par of \$127.8, and the Transportation Revenue Bonds Series 2004A1-4 with a combined par outstanding of \$472.2. The Dedicated Tax Fund Bonds Series 2007A1-5 were issued as insured auction rate securities and the market for such bonds had ceased to operate efficiently. The Transportation Revenue Variable Rate Refunding Bonds Series 2002G-2 were refunded due to rating downgrades of the insurer, Ambac Assurance Corporation. The Transportation Revenue Bonds Series 2004A1-4 were refunded due to rating downgrades of the insurers, CDC IXIS Financial Guaranty North America Inc. (CIFG NA) and XL Capital Assurance Inc.

# Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

On October 9, 2008, MTA completed a conversion and remarketing of the Transportation Revenue Variable Rate Refunding Bonds, Series 2002G-1. The 2002G-1 Bonds totaling \$200 are supported by an irrevocable direct-pay letter of credit from the Bank of Nova Scotia. Bond insurance and standby bond purchase agreement previously provided by Ambac Assurance Corporation and the Bank of Nova Scotia, respectively, for the 2002G-1 Bonds were terminated.

On October 17, 2008, MTA issued the Transportation Revenue Bonds Series 2008C in the amount of \$550. \$428.8 of Series 2008C proceeds was used to finance existing approved capital projects of the subway, bus and commuter rail systems of the MTA Group. On December 12, 2008, \$101.9 of Series 2008C proceeds was applied to redeem in full outstanding MTA Bridges and Tunnels General Revenue Variable Rate Refunding Bonds, Series 2002C, which was originally issued to finance transit and commuter projects, due to rating downgrades of the insurer, Ambac Assurance Corporation.

MTA completed a conversion and remarketing of the Transportation Revenue Variable Rate Bonds Series 2005D1-4. The 2005D-1 Bonds totaling \$90, and the 2005D-2 Bonds totaling \$60 were combined to create the 2005D-1 Bonds in the amount of \$150; this conversion was effected on November 7, 2008 with credit and liquidity support in the form of an irrevocable direct-pay letter of credit from Helaba Bank. The 2005D-3 Bonds totaling \$60 and the 2005D-4 Bonds totaling \$40 were combined to create the 2005D-2 Bonds in the amount of \$100; this conversion was effected on November 11, 2008 with liquidity support in the form of an irrevocable direct-pay letter of credit from Helaba Bank. Bond insurance previously provided by CIFG NA for the 2005D-1 and 2 Bonds was terminated. Bond insurance previously provided by FSA, Inc. for the 2005D-3 and 4 Bonds was terminated.

### **MTA Bond Anticipation Notes (commercial paper program)**

From time to time, MTA issues Transportation Revenue Bond Anticipation Notes in accordance with the terms and provisions of the General Resolution described in the preceding paragraph in the form of commercial paper to fund its transit and commuter capital needs. The interest rate payable on the notes depends on the maturity and market conditions at the time of issuance. Payment of principal and interest on the notes are additionally secured by a letter of credit issued by ABN AMRO Bank N.V. The MTA Act requires MTAHQ to periodically (at least each five years) refund its commercial paper notes with bonds.

### **MTA State Service Contract Bonds**

Prior to 2008, MTA issued two series of State Service Contract Bonds secured under its State Service Contract Obligation Resolution adopted on March 26, 2002, in the aggregate principal amount of \$2,395. The State Service Contract Bonds are MTAHQ's special obligations payable solely from certain payments from the State of New York under a service contract.

### **MTA Dedicated Tax Fund Bonds**

Prior to 2008, MTA issued 11 series of Dedicated Tax Fund Bonds secured under its Dedicated Tax Fund Obligation Resolution adopted on March 26, 2002, in the aggregate principal amount of \$4,931. The Dedicated Tax Fund Bonds are MTA's special obligations payable solely from monies held in the Pledged Amounts Account of the MTA Dedicated Tax Fund. State law requires that the MTTF revenues and MMTOA revenues (described above in footnote 2 under "Nonoperating Revenues") be deposited, subject to appropriation by the State Legislature, into the MTA Dedicated Tax Fund.

During 2008, the MTAHQ issued two series of Dedicated Tax Fund Bonds. On June 25, MTAHQ issued the Dedicated Tax Fund Variable Rate Refunding Bonds, Series 2008A in the amount of \$352.9 to refund the Dedicated Tax Fund Variable Rate Refunding Bonds, Series 2005A. The refunding was precipitated by rating downgrades of the insurer on the 2005A bonds, XL Capital Assurance, Inc. The 2008A Bonds are insured by Financial Security Assurance, Inc.

On August 7, MTA issued the Dedicated Tax Fund Variable Rate Refunding Bonds, Series 2008B in the amount of \$348.2. The refunded bonds included the \$100 Dedicated Tax Fund Bonds Series 2004B-3, the \$100 Dedicated Tax Fund Bonds Series 2004B-5, and the \$145 Dedicated Tax Fund Bonds Series 2004D-1. The refunding was precipitated by rating downgrades of the following insurers: Financial Guaranty Insurance Company ("FGIC"), CDC IXIS Financial Guaranty North America, Inc. (CIFG NA), and Ambac Assurance Corporation, which insured Series 2004B-3, 2004B-5 and 2004D-1, respectively.

### **MTA Certificates of Participation**

Prior to 2008, MTA (solely on behalf of MTA Long Island Rail Road and MTA Metro-North Railroad), MTA New York City Transit and MTA Bridges and Tunnels executed and delivered three series of Certificates of Participation in the aggregate principal amount of \$807.3 to finance certain building and leasehold improvements to an office building at Two Broadway in Manhattan occupied principally by MTA New York City Transit, MTA Bridges and Tunnels, MTA Capital Construction, and MTAHQ. The aggregate principal amount of \$807.3 includes approximately \$357.9 of refunding bonds. The Certificates of Participation represent proportionate interests in the principal and interest components of Base Rent paid

Years Ended December 31, 2008 and 2007

(\$ in millions)

severally, but not jointly, in their respective proportionate shares by MTA New York City Transit, MTA, and MTA Bridges and Tunnels, pursuant to a Leasehold Improvement Sublease Agreement.

#### **MTA Bridges and Tunnels General Revenue Bonds**

Prior to 2008, MTA Bridges and Tunnels issued 12 series of General Revenue Bonds secured under its General Resolution Authorizing General Revenue Obligations adopted on March 26, 2002, in the aggregate principal amount of \$5,820.4. The General Revenue Bonds are MTA Bridges and Tunnels' general obligations payable generally from the net revenues collected on the bridges and tunnels operated by MTA Bridges and Tunnels.

During 2008, MTA Bridges and Tunnels issued three series of General Revenue Bonds to finance bridge and tunnel projects and to refund outstanding indebtedness. Series 2008A in the amount of \$822.8 and Series 2008B in the amount of \$252.2 were issued on March 27, 2008. Proceeds of these two series of bonds were used to finance existing approved MTA Bridges and Tunnels, transit, and commuter railroad projects as well as to refinance \$72.1 of the Transportation Revenue Variable Rate Bonds, Series 2002G-2, \$23 and \$112 of the Dedicated Tax Fund Bonds Series 2004D-1 and 2004D-2, respectively, and \$100 and \$75 of the MTA Bridges and Tunnels Subordinate Revenue Variable Rate, Subseries 2004A-1 and 2004A-2, respectively. MTA Bridges and Tunnels General Revenue Bonds Series 2008C in the amount of \$629.9 was issued on July 30, 2008. The proceeds of this issue were used to finance transit and commuter railroad projects.

On October 1, 2008, MTA Bridges & Tunnels completed a conversion and remarketing of the Series 2001B and C Bonds. The 2001B bonds totaling \$145.8 are supported by an irrevocable, direct-pay letter of credit from State Street Bank and Trust Company. The 2001C bonds totaling \$145.8 are supported by an irrevocable, direct pay letter of credit from Bayerische Landesbank (NY Branch). Bond insurance previously provided by Ambac Assurance Corporation for the 2001B and C Bonds was terminated. MTA also terminated the State Street Bank and Trust Company Standby Bond Purchase Agreement related to Series 2001B and the Bayerische Landesbank Standby Bond Purchase Agreement related to Series 2001C.

#### **MTA Bridges and Tunnels Subordinate Revenue Bonds**

Prior to 2008, MTA Bridges and Tunnels issued nine series of Subordinate Revenue Bonds secured under its 2001 Subordinate Revenue Resolution Authorizing Subordinate Revenue Obligations adopted on March 26, 2002, in the aggregate principal amount of \$2,412. The Subordinate Revenue Bonds are MTA Bridges and Tunnels' special obligations payable generally from the net revenues collected on the bridges and tunnels operated by MTA Bridges and Tunnels after the payment of debt service on the MTA Bridges and Tunnels General Revenue Bonds described in the preceding paragraph.

On July 30, 2008, MTA Bridges and Tunnels issued \$491.1 of Subordinate Revenue Bonds, Series D. Its proceeds were used to refinance \$255.8 of MTA Bridges and Tunnels Subordinate Revenue Variable Rate Refunding Bonds, Series 2002D, \$181 of Subordinate Revenue Variable Rate Refunding Bonds, Series 2002G and \$61.3 of Subordinate Revenue Variable Rate Refunding Bonds, Subseries 2004A-3.

#### **Debt Limitation**

The New York State Legislature has imposed limitations on the aggregate amount of debt that the MTA and MTA Bridges and Tunnels can issue to fund the approved transit and commuter capital programs. The current aggregate ceiling, subject to certain exclusions, is \$28,877 compared with issuances totaling approximately \$19,463 at December 31, 2008. The MTA expects that the current statutory ceiling will allow it to fulfill the bonding requirements of the 2000-2004 MTA Capital Program and the 2005-2009 MTA Capital program.

#### **Bond Refundings**

From time to time, the MTA and MTA Bridges and Tunnels issue refunding bonds to achieve debt service savings or other benefits. The proceeds of refunding bonds are generally used to purchase U.S. Treasury obligations that are placed in irrevocable trusts. The principal and interest within the trusts will be used to repay the refunded debt. The trust account assets and the refunded debt are excluded from the consolidated balance sheets.

In accordance with [GASB Statement No. 23, Accounting and Financial Reporting for Refundings of Debt Reported by Proprietary Activities](#), gains or losses resulting from debt refundings have been deferred and will be amortized over the lesser of the remaining life of the old debt or the life of the new debt.

During 2008, MTA issued its Transportation Revenue Bonds, Series 2008A and Series 2008B in the aggregate principal amount of \$1,000 to refund certain outstanding Transportation Revenue and Dedicated Tax Fund bonds; MTA issued its Transportation Revenue Bonds, Series 2008C in the aggregate principal amount of \$550 to refund certain MTA Bridges and Tunnels General Revenue bonds; MTA issued its Dedicated Tax Fund Variable Rate Refunding Bonds, Series 2008A in the aggregate principal amount of \$353 to refund certain outstanding Dedicated Tax Fund bonds; and MTA issued its Dedicated Tax Fund Variable Rate Refunding Bonds, Series 2008B in the aggregate principal amount of \$348 to refund certain outstanding Dedicated Tax Fund bonds.

## Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

Additionally, during 2008, MTA Bridges and Tunnels issued its General Revenue Bonds, Series 2008A and Series 2008B in the aggregate principal amount of \$1,075 to refund certain outstanding MTA Transportation Revenue, MTA Dedicated Tax Fund bonds and MTA Bridges and Tunnels Subordinate Revenue bonds; MTA Bridges and Tunnels issued its General Revenue Bonds, Series 2008C and Subordinate Series 2008D in the aggregate principal amount of \$1,121 to refund certain outstanding MTA Bridges and Tunnels Subordinate Revenue and MTA Transportation Revenue Bond Anticipation Notes.

During 2008, the MTA issued \$2,679.85 of bonds to refund \$2,702.17 of outstanding bonds. While the MTA in effect changed its aggregate debt service, the purpose of these refundings were to mitigate the credit and liquidity risks of bonds associated with the lowered ratings of municipal bond insurers on variable rate bonds, and thus economic gain or loss on these transactions were not a primary consideration.

At December 31, 2008 and December 31, 2007, the following amounts of MTA bonds, which have been refunded, remain valid debt instruments and are secured solely by and payable solely from their respective irrevocable trusts.

	December 31, 2008	December 31, 2007
MTA Transit and Commuter Facilities:		
Transit Facilities Revenue Bonds	\$1,004	\$1,285
Commuter Facilities Revenue Bonds	1,145	1,419
Commuter Facilities Subordinate Revenue Bonds	13	16
Transit and Commuter Facilities Service Contract Bonds	772	835
Dedicated Tax Fund Bonds	1,346	1,330
Excess Loss Trust Fund	7	13
MTA Transportation Revenue Bonds	156	—
MTA New York City Transit:		
Transit Facilities Revenue Bonds (Livingston Plaza Project)	102	113
MTA Bridges and Tunnels:		
General Purpose Revenue Bonds	2,079	2,135
Special Obligation Subordinate Bonds	208	219
Mortgage Recording Tax Bonds	201	207
<b>Total</b>	<b>\$7,033</b>	<b>\$7,572</b>



## Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

### Debt Service Payments

Principal and interest debt service payments at December 31, 2008 are as follows:

	MTA		MTA BRIDGES AND TUNNELS					
	Principal	Interest	Senior Revenue		Subordinate Revenue		Debt Service	
			Principal	Interest	Principal	Interest	Principal	Interest
2009	\$ 218	\$ 817	\$ 48	\$ 295	\$ 38	\$ 105	\$ 304	\$ 1,217
2010	393	805	133	285	49	102	575	1,192
2011	394	787	140	278	51	100	585	1,165
2012	432	769	137	281	55	97	624	1,147
2013	717	1,086	144	274	57	94	918	1,454
2014-2018	2,490	3,327	895	1,187	357	418	3,742	4,932
2019-2023	3,585	2,624	1,122	952	433	318	5,140	3,894
2024-2028	4,491	1,714	1,350	693	435	202	6,276	2,609
2029-2033	3,700	654	1,663	14	573	58	5,936	726
2034-2038	933	90	627	94	—	—	1,560	184
Thereafter	—	—	—	—	—	—	—	—
	<b>\$17,353</b>	<b>\$12,673</b>	<b>\$6,259</b>	<b>\$4,353</b>	<b>\$2,048</b>	<b>\$1,494</b>	<b>\$25,660</b>	<b>\$18,520</b>

The above interest amounts include both fixed- and variable-rate calculations. The interest rate assumptions for variable rate bonds are as follows:

*Transportation Revenue Refunding Bonds, Series 2002B* – 4.00% per annum

*Transportation Revenue Refunding Bonds, Series 2002D* – 4.00% per annum on Subseries 2002D-1 and 4.45% per annum on subseries 2002D-2 taking into account the interest rate swap

*Transportation Revenue Refunding Bonds, Series 2002G* – 4.00% per annum

*Transportation Revenue Bonds, Series 2005D* – 3.561% per annum taking into account the interest rate swaps

*Transportation Revenue Bonds, Series 2005E* – 3.561% per annum taking into account the interest rate swaps

*Transportation Revenue Bonds, Series 2005G* – 4.00% per annum

*Transportation Revenue Bonds, Series 2008B* – 4.00% per annum, after the mandatory tender date

*Dedicated Tax Fund Bonds, Series 2002B* – 4.06% per annum until September 1, 2013 based on the interest rate swap and 4.00% per annum thereafter

*Dedicated Tax Fund Variable Rate Refunding Bonds, Series 2008A* – 3.3156% per annum on the hedged portion related to the interest rate swaps, and 4.00% per annum on the unhedged portion

*MTA Bridges and Tunnels Subordinate Refunding Bonds, Series 2000A B* – 6.08% per annum taking into account the interest rate swap

*MTA Bridges and Tunnels Subordinate Refunding Bonds, Series 2000CD* – 6.07% per annum taking into account the interest rate swap

*MTA Bridges and Tunnels General Revenue Refunding Bonds, Series 2001B and Series 2001C* – 5.777% per annum taking into account the interest rate swap and 4.00% per annum on portions not covered by the interest rate swap

*MTA Bridges and Tunnels General Revenue Refunding Bonds, Series 2002C* – 5.634% per annum taking into account the interest rate swap and 4.00% per annum on portions not covered by the interest rate swap

*MTA Bridges and Tunnels General Revenue Refunding Bonds, Series 2002F* – 4.00% per annum

*MTA Bridges and Tunnels General Revenue Bonds, Series 2003B* – 4.00% per annum

*MTA Bridges and Tunnels General Revenue Bonds, Series 2005A* – 4.00% per annum

## Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

*MTA Bridges and Tunnels General Revenue Refunding Bonds, Series 2005B* – 3.513% per annum based on the Basis Risk Interest Rate Swap through January 1, 2012 and 3.076% per annum based on the Initial Interest Rate Swaps thereafter.

*MTA Bridges and Tunnels General Revenue Bonds, Series 2008B* – 4.00% per annum, after the mandatory tender date

*Certificates of Participation, Series 2004A* – 3.542% per annum taking into account the interest rate swaps

*Dedicated Tax Fund Variable Rate Refunding Bonds, Series 2008B* – 4% per annum.

### *Tax Rebate Liability*

Under the Internal Revenue Code of 1986, the MTA accrues a liability for an amount of rebateable arbitrage resulting from investing low-yielding, tax-exempt bond proceeds in higher-yielding, taxable securities. The arbitrage liability is payable to the federal government every five years and is reported as part of other long-term liabilities. MTA made an arbitrage payment of \$1.9 in 2007. No payment was incurred in 2008.

## Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

MTA and MTA Bridges and Tunnels have entered into several Standby Bond Purchase Agreements (SBPA) and Letter of Credit Agreements (LOC) as listed on the table below:

Resolution	Series	Swap	Provider (Insurer)	Type of Facility	Exp. Date
Transportation Revenue	2002D-1	N	West LB (FSA)	SBPA	5/9/2012
Transportation Revenue	2002D-2	Y	Dexia (FSA)	SBPA	5/27/2011
Transportation Revenue	2002G-1	N	Bank of Nova Scotia (Ambac)	LOC	10/7/2011
Transportation Revenue	2005D-1	Y	Helaba	LOC	11/7/2011
Transportation Revenue	2005D-2	Y	Helaba	LOC	11/10/2010
Transportation Revenue	2005E	Y	Fortis	LOC	10/9/2012
Transportation Revenue	2005G	N	BNP Paribas	LOC	12/8/2010
Transportation Revenue	Commercial Paper	N	ABN AMRO	LOC	12/8/2010
Dedicated Tax Fund	2002B	Y	Dexia (FSA)	SBPA	5/7/2014
Dedicated Tax Fund	2008A	Y	Dexia (FSA)	SBPA	6/25/2011
Dedicated Tax Fund	2008B-1	N	Bank of Nova Scotia	LOC	8/5/2011
Dedicated Tax Fund	2008B-2	N	BNP Paribas (NY Branch)	LOC	8/5/2011
Dedicated Tax Fund	2008B-3	N	Lloyds TSB Bank plc (NY Branch)	LOC	8/5/2011
Dedicated Tax Fund	2008B-4	N	KBC Bank N.V.	LOC	8/5/2011
MTA Bridges and Tunnels Subordinate	2000AB	Y	JPMorgan (FSA)	SBPA	10/7/2014
MTA Bridges and Tunnels Subordinate	2000CD	Y	Lloyds TSB Bank (NY) (FSA)	SBPA	10/7/2014
MTA Bridges and Tunnels General Revenue	2001B	Y	State Street (Ambac)	LOC	9/30/2011
MTA Bridges and Tunnels General Revenue	2001C	Y	Bayerische LB (Ambac)	LOC	9/30/2010
MTA Bridges and Tunnels General Revenue	2002F	Y	ABN AMRO	SBPA	11/8/2012
MTA Bridges and Tunnels General Revenue	2003B	N	Dexia	SBPA	7/7/2012
MTA Bridges and Tunnels General Revenue	2005A	N	Dexia	SBPA	5/9/2012
MTA Bridges and Tunnels General Revenue	2005B-1	Y	Depfa Bank	SBPA	7/7/2015
MTA Bridges and Tunnels General Revenue	2005B-2	Y	Dexia	SBPA	7/6/2012
MTA Bridges and Tunnels General Revenue	2005B-3	Y	Bank of America	SBPA	7/6/2012
MTA Bridges and Tunnels General Revenue	2005B-4	Y	Landesbank Baden-Wurttemberg (NY)	SBPA	12/29/2015

### Swap Agreements Relating to Synthetic Fixed Rate Debt

#### Board-adopted Guidelines

The Related Entities adopted guidelines governing the use of swap contracts to manage the interest rate exposure of their debt. The Guidelines establish specific requirements that must be satisfied for a Related Entity to enter into a swap contract, such as suggested swap terms and objectives, credit ratings of the counterparties, collateralization requirements and reporting requirements.

#### Objectives of the Swaps

In order to protect against the potential of rising interest rates, to achieve a lower net cost of borrowing, to reduce exposure to changing interest rates on a related bond issue, or, in some cases where Federal tax law prohibits an advance refunding, to achieve debt service savings through a synthetic fixed rate, MTA, MTA Bridges and Tunnels and MTA New York City Transit have entered into separate pay-fixed, receive-variable interest rate swaps at a cost anticipated to be less than what MTA, MTA Bridges and Tunnels and MTA New York City Transit would have paid to issue fixed-rate debt.

Years Ended December 31, 2008 and 2007

(\$ in millions)

### *Fair Value*

Relevant market interest rates on the valuation date (December 31, 2008) of the swaps reflected in the following charts in all cases were higher than market interest rates on the effective date of the swaps. Consequently, as of the valuation date, all of the swaps had negative fair values. A negative fair value means that MTA, MTA Bridges and Tunnels and/or MTA New York City Transit would have to pay the counterparty that approximate amount to terminate the swap. In the event there is a positive fair value, MTA, MTA Bridges and Tunnels and/or MTA New York City Transit would be entitled to receive a payment from the counterparty to terminate the swap; consequently, MTA, MTA Bridges and Tunnels and/or MTA New York City Transit would be exposed to the credit risk of the counterparties in the amount of the swaps' fair value should the swap be terminated.

The fair values listed in the following tables represent the theoretical cost to terminate the swap as of the date indicated, assuming that a termination event occurred on that date. The fair values were estimated using the zero-coupon method. This method calculates the future net settlement payments required by the swap, assuming that the current forward rates implied by the yield curve correctly anticipate future spot interest rates. These payments are then discounted using the spot rates implied by the current yield curve for hypothetical zero-coupon bond due on the date of each future net settlement on the swap. See "Termination Risk" below.

### *Terms and Fair Values*

The terms, fair values and counterparties of the outstanding swaps of MTA and MTA Bridges and Tunnels, as well as the swaps entered into in connection with the 2 Broadway Certificates of Participation refunding, are reflected in the following tables. The MTA swaps are reflected in separate tables for the Transportation Revenue Bonds and Dedicated Tax Fund Bonds. The MTA Bridges and Tunnels swaps are reflected in separate tables for the senior lien and subordinate revenue bonds.

# Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

## MTA Transportation Revenue Bonds

Associated Bond Issue	Notional Amounts as of 12/31/08	Effective Date	Fixed Rate Paid	Variable Rate Received	Fair Values as of 12/31/08	Swap Termination Date	Counterparty
Series 2002D-2	200.000	01/01/07	4.45	69% of one-month LIBOR <sup>(1)</sup>	\$ [90.086]	11/01/32	Bear Stearns Capital Markets Inc.
Series 2005D and Series 2005E	500.000	11/02/05	3.561	67% of one-month LIBOR	[132.189]	11/01/35	60% – UBS AG 20% – Lehman Brothers Special Financing Inc. 20% – AIG Financial Products Corp.
Series 2012 <sup>(2)</sup>	359.450	11/15/12	3.563	67% of one-month LIBOR	[78.492]	11/01/32	Bear Stearns Capital Markets Inc.
Series 2012 <sup>(2)</sup>	153.700	11/15/12	3.563	67% of one-month LIBOR	[35.371]	11/01/32	Lehman Brothers Special Financing Inc.
<b>Total</b>	<b>\$1,213.15</b>				<b>\$(336.137)</b>		

[1] London Interbank Offered Rate.

[2] Under the Series 2012 swaps, counterparties Bear Stearns Capital Markets Inc. and Lehman Brothers Special Financing Inc. have an option to cancel these swaps on June 15, 2012 prior to the effective date listed above. In the event each swap is canceled, each counterparty is required to make monthly cancellation payments to the MTA commencing on December 1, 2012 and ending on November 1, 2032.

## MTA Dedicated Tax Fund Bonds

Associated Bond Issue	Notional Amounts as of 12/31/08	Effective Date	Fixed Rate Paid	Variable Rate Received	Fair Values as of 12/31/08	Swap Termination Date	Counterparty
Series 2002B	\$440.000	09/05/02	4.06 %	Actual bond rate until 04/30/10, and thereafter, SIFMA	\$(42.106)	09/01/13	Morgan Stanley Capital Services Inc.
Series 2008A <sup>(3)</sup>	343.520	03/24/05	3.3156	67% of one-month LIBOR	[72.652]	11/01/31	Citigroup Financial Products Inc.
<b>Total</b>	<b>\$783.520</b>				<b>\$(114.758)</b>		

[3] On June 25, 2008, the Confirmation dated as of March 8, 2005 between the Counterparty and MTA was amended to define Related Bonds as MTA Dedicated Tax Fund Variable Rate Refunding Bonds, Series 2008A. On June 26, 2008, MTA Dedicated Tax Fund Variable Rate Refunding Bonds, Series 2005A associated with the swap prior to the amendment described above, were refunded.

# Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

## MTA Bridges and Tunnels Senior Lien Revenue Bonds

Associated Bond Issue	Notional Amounts as of 12/31/08	Effective Date	Fixed Rate Paid	Variable Rate Received	Fair Values as of 12/31/08	Swap Termination Date	Counterparty
Series 2001B and 2001C <sup>(4)</sup>	\$ 177.900	01/01/02	5.777%	Actual bond rate	\$ (38.072)	01/01/19	Citigroup Financial Products Inc.
Series 2002F <sup>(5)</sup> (6)	77.100	01/01/00	5.634	Actual bond rate	(9.034)	01/01/13	Ambac Financial Services, L.P.
Series 2005B	794.400	07/07/05	3.076	67% of one-month LIBOR	(160.405)	01/01/32	25% each – Citibank, N.A., JPMorgan Chase Bank, BNP Paribas North America, Inc. and UBS AG
Series 2005B	794.400	07/07/05	67% of one-month LIBOR plus 43.7 basis points <sup>(7)</sup>	SIFMA minus 10 basis points	(1.732)	01/01/12	UBS AG
<b>Total</b>	<b>\$1,843.800</b>				<b>\$(209.243)</b>		

(4) In accordance with a swaption entered into on February 24, 1999 with the Counterparty paying to MTA Bridges and Tunnels a premium of \$19.2.

(5) In accordance with a swaption entered into on February 24, 1999 with the Counterparty paying to MTA Bridges and Tunnels a premium of \$8.4.

(6) On December 3, 2008, the Confirmation, dated as of February 24, 1999, and as amended on October 8, 2002, between the Counterparty and MTA Bridges and Tunnels was amended to define Bonds, after December 4, 2008, as MTA Bridges and Tunnels General Revenue Variable Rate Refunding Bonds Series 2002F. On December 12, 2008, MTA Bridges and Tunnels General Revenue Variable Rate Refunding Bonds Series 2002C associated with the swap prior to the amendment described above, were refunded.

(7) For the purpose of mitigating the basis risk during the escrow period with respect to the \$797.2 million notional amount swaps entered into in connection with the Series 2005B Bonds, MTA Bridges and Tunnels will pay 67% of one-month LIBOR plus 43.7 basis points to the UBS AG and receive a variable rate equal to the SIFMA Index minus 10 basis points.

## MTA Bridges and Tunnels Subordinate Revenue Bonds

Associated Bond Issue	Notional Amounts as of 12/31/08	Effective Date	Fixed Rate Paid	Variable Rate Received	Fair Values as of 12/31/08	Swap Termination Date	Counterparty
Series 2000AB <sup>(8)</sup>	\$188.600	01/01/01	6.08%	Actual bond rate	\$ (39.595)	01/01/19	Bear Stearns Capital Markets Inc.
Series 2000CD <sup>(9)</sup>	188.600	01/01/01	6.07	SIFMA minus 15 basis points <sup>(9)</sup>	(41.026)	01/01/19	Citigroup Financial Products Inc.
<b>Total</b>	<b>\$377.200</b>				<b>\$(80.621)</b>		

(8) In accordance with a swaption entered into on August 12, 1998 with each Counterparty paying to MTA Bridges and Tunnels a premium of \$22.74.

(9) In accordance with the swaption entered into on August 12, 1998, Citigroup Financial declared that an Alternative Floating Rate Event occurred on November 5, 2008 and as a result, the calculation for the Variable Rate MTA Bridges and Tunnels is to receive was changed from the Actual Bond Rate to SIFMA Municipal Swap Index minus 15 basis points. The Alternate Floating Rate Event was triggered due to the purchase without resale of Series 2000CD bonds by the liquidity provider, Lloyds TSB.

Years Ended December 31, 2008 and 2007

(\$ in millions)

## 2 Broadway Certificates of Participation Swaps

In addition to the foregoing, MTA, MTA New York City Transit and MTA Bridges and Tunnels entered into separate ISDA Master Agreements with UBS AG relating to the \$357.925 Variable Rate Certificates of Participation, Series 2004A (Auction Rate Securities) in connection with the refunding of certain certificates of participation originally executed to fund certain improvements to the office building located at 2 Broadway in Manhattan. The 2 Broadway swaps have (1) an effective date of September 22, 2004, (2) a fixed rate paid of 3.092%, (3) a variable rate received of the lesser of (a) the actual bond rate, or (b) 67% of one-month LIBOR minus 45 basis points, and (4) a termination date of January 1, 2030. Based on the aggregate notional amount of \$355.525 outstanding as of December 31, 2008, MTA New York City Transit is responsible for \$244.250 aggregate notional amount of the swaps, MTAHQ for \$74.650 aggregate notional amount, and MTA Bridges and Tunnels for \$36.625 aggregate notional amount. As of December 31, 2008, the aggregate fair value of the swaps was (\$70.100).

### Counterparty Ratings

The ratings of the counterparties are as follows as of December 31, 2008:

Counterparty	Ratings of the Counterparty or its Credit Support Provider		
	S&P	Moody's	Fitch
ALG Financial Products Corp.	A-	A3	A
Ambac Financial Services, L.P.	A	Baa1	NR
Bear Stearns Capital Markets Inc.	A+	Aa2	AA-
BNP Paribas North America, Inc.	AA+	Aa1	AA
Citibank, N.A.	A+	Aa3	A+
Citigroup Financial Products Inc.	A	A2	A+
JPMorgan Chase Bank	A+	Aa2	AA-
Lehman Brothers Special Financing Inc.	NR	Ca	NR
Morgan Stanley Capital Services Inc.	A	A2	A
UBS AG	A+	Aa2	A+

Except as set forth below, the notional amounts of the swaps match the principal amounts of the associated bonds. The following table sets forth the notional amount and the outstanding principal amount as of December 31, 2008 for the swap where the notional amount does not match the outstanding principal amount of the associated bonds.

Associated Bond Issue	Principal Amount of Bonds	Notional Amount
MTA Bridges and Tunnels General Revenue Variable Rate Refunding Bonds, Series 2001B and 2001C	\$291.520	\$ 177.900
MTA Bridges and Tunnels General Revenue Variable Rate Refunding Bonds, Series 2002F	\$ 235.155	\$ 77.100
MTA Dedicated Tax Fund Variable Rate Refunding Bonds, Series 2008A	\$ 351.357	\$343.520

Except as discussed below under the heading "Rollover Risk," the swap agreements contain scheduled reductions to outstanding notional amounts that are expected to approximately follow scheduled or anticipated reductions in the principal amount of the associated bonds.

## Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

### Risks Associated with the Swap Agreements

From MTA's, MTA Bridges and Tunnels' and MTA New York City Transit's perspective, the following risks are generally associated with swap agreements:

- **Credit Risk** — The counterparty becomes insolvent or is otherwise unable to perform its financial obligations. In the event of a deterioration in the credit ratings of the counterparty or MTAHQ/MTA Bridges and Tunnels/MTA New York City Transit, the swap agreement may require that collateral be posted to secure the party's obligations under the swap agreement. See "Collateralization" below. Further, ratings deterioration by either party below levels agreed to in each transaction could result in a termination event requiring a cash settlement of the future value of the transaction. See "Termination Risk" below.
- **Basis Risk** — The variable interest rate paid by the counterparty under the swap and the variable interest rate paid by MTAHQ, MTA Bridges and Tunnels or MTA New York City Transit on the associated bonds may not be the same. If the counterparty's rate under the swap is lower than the bond interest rate, then the counterparty's payment under the swap agreement does not fully reimburse MTAHQ, MTA Bridges and Tunnels or MTA New York City Transit for its interest payment on the associated bonds. Conversely, if the bond interest rate is lower than the counterparty's rate on the swap, there is a net benefit to MTAHQ, MTA Bridges and Tunnels or MTA New York City Transit.
- **Termination Risk** — The swap agreement could be terminated and MTAHQ, MTA Bridges and Tunnels or MTA New York City Transit could be required to make a termination payment to the counterparty and, in the case of a swap agreement which was entered into for the purpose of creating a synthetic fixed rate for an advance refunding transaction may also be required to take action to protect the tax exempt status of the related refunding bonds.
- **Rollover Risk** — The notional amount under the swap agreement terminates prior to the final maturity of the associated bonds on a variable rate bond issuance, and MTAHQ, MTA Bridges and Tunnels or MTA New York City Transit may be exposed to then market rates and cease to receive the benefit of the synthetic fixed rate for the duration of the bond issue.

*Credit Risk.* The following table shows, as of December 31, 2008, the diversification, by percentage of notional amount, among the various counterparties that have entered into ISDA Master Agreements with MTAHQ and/or MTA Bridges and Tunnels, or in connection with the 2 Broadway Certificates of Participation refunding. The counterparties have the ratings set forth above.

Counterparty	Notional Amount (in thousands)	% of Total Notional Amount
UBS AG	\$1,648,525	36.05%
Bear Stearns Capital Markets Inc.	748,050	16.36
Citigroup Financial Products Inc.	710,020	15.53
Morgan Stanley Capital Services Inc.	440,000	9.62
Lehman Brothers Special Financing Inc.	253,700	5.55
JPMorgan Chase Bank	198,600	4.34
BNP Paribas North America, Inc.	198,600	4.34
Citibank, N.A.	198,600	4.34
AIG Financial Products Corp.	100,000	2.19
Ambac Financial Services, L.P.	77,100	1.69
<b>Total</b>	<b>\$4,573,195</b>	<b>100.00%</b>



Years Ended December 31, 2008 and 2007

(\$ in millions)

The ISDA Master Agreements entered into with the following counterparties provide that the payments under one transaction will be netted against other transactions entered into under the same ISDA Master Agreement:

- Bear Stearns Capital Markets Inc. with respect to the MTA Bridges and Tunnels Subordinate Revenue Variable Rate Refunding Bonds, Series 2000AB,
- Citigroup Financial Products Inc. with respect to the MTA Bridges and Tunnels Subordinate Revenue Variable Rate Refunding Bonds, Series 2000CD,
- Citigroup Financial Products Inc. with respect to the MTA Bridges and Tunnels General Revenue Variable Rate Refunding Bonds, Series 2001B and 2001C,
- Ambac Financial Services, L.P. with respect to the MTA Bridges and Tunnels General Revenue Variable Rate Refunding Bonds, Series 2002F (currently only one transaction outstanding under that Master Agreement),
- Bear Stearns Capital Markets Inc. with respect to the MTA Transportation Revenue Variable Rate Refunding Bonds, Series 2002D-2 and Series 2012,
- Lehman Brothers Special Financing Inc. with respect to the MTA Transportation Revenue Variable Rate Refunding Bonds, Series 2005E and Series 2012.

Under the terms of these agreements, should one party become insolvent or otherwise default on its obligations, close-out netting provisions permit the nondefaulting party to accelerate and terminate all outstanding transactions and net the transactions' fair values so that a single sum will be owed by, or owed to, the nondefaulting party.

On September 15, 2008, Lehman Brothers Holdings, Inc. ("LBHI") filed a petition under Chapter 11 of the U.S. Bankruptcy Code. As a consequence LBHI was downgraded in September 2008 to B3/D/D by Moody's, Standard & Poor's and Fitch respectively. Standard & Poor's and Fitch subsequently withdrew their ratings on September 25th and October 27, 2008, respectively. A subsidiary, Lehman Brothers Special Financing Inc ("LBSFI") which operated with a credit guarantee from LBHI consequently was similarly downgraded and filed for bankruptcy on October 3, 2008.

As an active participant in the capital markets, MTA, has business relationships with LBHI and its subsidiaries. Among those relationships, LBSFI, is the counterparty (with an LBHI guarantee) on two interest rate swaps associated with MTA Transportation Revenue Bonds Series 2005E and Series 2012 (forward starting swap). The combined notional amount of the interest rate swaps is \$253.7. In addition, MTA New York City Transit, MTA (solely on behalf of MTA Long Island Rail Road and MTA Metro-North Railroad), and MTA Bridges and Tunnels, are party to a forward purchase agreement for a debt service reserve fund investment related to the 2 Broadway Certificates of Participation transaction. MTA retains ownership of the security for this investment and is evaluating its options with respect to the bankruptcy filing by LBHI.

At December 31, 2008, the two interest rate swaps to which LBSFI was a counterparty had a combined recorded fair market value of negative \$61.808, which represented a theoretical payment that would be owed by MTA to LBSFI if the agreements were terminated on that date. As a result of the bankruptcy filing of LBHI, on September 19, 2008, MTA advised LBSFI that an event of default now exists in respect to the two interest rate swaps. As a result of the event of default, all cashflows arising out of these transactions have ceased and MTA is proceeding with a formal market quotation process as provided for in the ISDA Master Agreement with LBSFI to replace LBSFI. The market quotation process involves soliciting bids from interested parties to assume the obligations of LBSFI in the transactions. MTA has not recorded any change in its accounting treatment of the transactions and pending a successful resolution of the market quotation process, does not expect to be required to make any such change in the future.

The fair market value of MTA's interest rate swaps changes daily primarily as a result of capital markets changes. MTA's swaps with LBSFI use the one month London Interbank Offered Rate (LIBOR) as the variable rate received. Factors that influence LIBOR are local interest rates, banks expectations of future rate movements, liquidity in the capital markets or changes in the value of the dollar. The relative financial health of MTA's counterparties, in this case LBSFI are important in the transaction, but do not directly impact the fair market value of the transaction.

In addition to the interest rate swaps described above, MTA, through its Transportation Revenue Bond Resolution, has an existing interest rate swap with AIG Financial Products Corp. ("AIG FPC"). The notional amount of the transaction is \$100 with an approximate fair market value on December 31, 2008 of negative \$26.438. This value represents the amount owed by MTA if the transaction were to be terminated.

The ratings of AIG FPC, which is guaranteed by corporate parent American International Group, Inc. ("AIG") were changed on September 15, 2008 as follows: downgraded by Moody's from Aa3 to A2; downgraded by Standard & Poor's from AA- to A-; downgraded from Fitch from AA- to A. Subsequently, on October 3, 2008 Moody's further downgraded AIG FPC to A3. Although AIG FPC was recently downgraded, no event of default currently exists with respect to this transaction.

# Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

*Collateralization.* Generally, the Credit Support Annex attached to the ISDA Master Agreement requires that if the outstanding ratings of MTA, MTA Bridges and Tunnels or MTA New York City Transit, as the case may be, or the counterparty falls to a certain level, the party whose rating falls is required to post collateral with a third-party custodian to secure its termination payments above certain threshold amounts. Collateral must be cash or U.S. government or certain Federal agency securities.

The following tables set forth the ratings criteria and threshold amounts relating to the posting of collateral set forth for MTA, MTA Bridges and Tunnels or MTA New York City Transit, as the case may be, and the counterparty for each swap agreement. In most cases, the Counterparty does not have a Fitch rating on its long-term unsecured debt, so that criteria would not be applicable in determining if the Counterparty is required to post collateral.

## MTA Transportation Revenue Bonds

Associated Bond Issue	If the highest rating of the related MTA bonds or the counterparty's long-term unsecured debt falls to	Then the downgraded party must post collateral if its estimated termination payments are in excess of
Series 2002D-2	Fitch – BBB+, Moody's – Baa1, or S&P – BBB+	\$10,000,000
	Fitch – BBB and below or unrated, Moody's – Baa2 and below or unrated by S&P & Moody's, or S&P – BBB and below or unrated	\$0
Series 2005D and Series 2005E	Fitch – BBB+, Moody's – Baa1, or S&P – BBB+	\$10,000,000
	Fitch – below BBB+, Moody's – below Baa1, or S&P – below BBB+	\$0
Series 2012	Fitch – BBB+, Moody's – Baa1, or S&P – BBB+	\$10,000,000
	Fitch – BBB and below or unrated, Moody's – Baa2 and below or unrated by S&P & Moody's, or S&P – BBB and below or unrated	\$0

# Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

## MTA Dedicated Tax Fund Bonds

Associated Bond Issue	If the highest rating of the related MTA bonds or the counterparty's long-term unsecured debt falls to	Then the downgraded party must post collateral if its estimated termination payments are in excess of
Series 2002B	Fitch – BBB+, or S&P – BBB+	\$10,000,000
	Fitch – BBB and below or unrated, or S&P – BBB and below or unrated	\$0
Series 2008A [Note: for this swap, MTA is not required to post collateral under any circumstances.]	Fitch – A-, or Moody's – A3, or S&P – A-	\$10,000,000
	Fitch – BBB+ and below, or Moody's – Baa1 and below, or S&P – BBB+ and below	\$0

## 2 Broadway Certificates of Participation

Associated Agencies	If the highest rating of the MTA Transportation Revenue Bonds falls to	Then MTA, MTA Bridges and Tunnels and MTA New York City Transit must post collateral if its estimated termination payments are in excess of
MTA MTA Bridges and Tunnels MTA New York City Transit	Fitch – BBB+, Moody's – Baa1, or S&P – BBB+	\$25,000,000
	Fitch – BBB and below or unrated, Moody's – Baa2 and below or unrated by S&P & Moody's, or S&P – BBB and below or unrated	\$0
	If the highest rating of the Counterparty's long-term unsecured debt falls to	Then the Counterparty must post collateral if its estimated termination payments are in excess of
	Moody's – Baa1 or lower, or S&P – BBB+ or lower	\$0

# Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

## MTA Bridges and Tunnels Senior Lien Revenue Bonds

Associated Bond Issue	If the highest rating of the related MTA Bridges and Tunnels bonds or the counterparty's long-term unsecured debt falls to	Then the downgraded party must post collateral if its estimated termination payments are in excess of
Series 2001B and 2001C	N/A – Because MTA Bridges and Tunnels' swap payments are insured, MTA Bridges and Tunnels is not required to post collateral, but Citigroup is required to post collateral if its estimated termination payments are in excess of \$1,000,000.	
Series 2002F	N/A – Because MTA Bridges and Tunnels' swap payments are insured, MTA Bridges and Tunnels is not required to post collateral, but Ambac is required to post collateral if its estimated termination payments are in excess of \$1,000,000.	
Series 2005B interest rate swap and Series 2005B basis risk swap	For counterparty, Fitch – A-, or Moody's – A3, or S&P – A-	\$10,000,000
	For MTA, Fitch – BBB+, or Moody's – Baa1, or S&P – BBB+	\$30,000,000
	For MTA, Fitch – BBB, or Moody's – Baa2, or S&P – BBB	\$15,000,000
	For counterparty, Fitch – BBB+ and below, or Moody's – Baa1 and below, or S&P – BBB+ and below	\$0
	For MTA, Fitch – BBB- and below, or Moody's – Baa3 and below, or S&P – BBB- and below	\$0

## MTA Bridges and Tunnels Subordinate Revenue Bonds

Associated Bond Issue	If the highest rating of the related MTA Bridges and Tunnels bonds or the counterparty's long-term unsecured debt falls to	Then the downgraded party must post collateral if its estimated termination payments are in excess of
Series 2000AB	N/A – Because MTA Bridges and Tunnels' swap payments are insured, MTA Bridges and Tunnels is not required to post collateral, but Bear Stearns is required to post collateral if its estimated termination payments are in excess of \$1,000,000.	
Series 2000CD	N/A – Because MTA Bridges and Tunnels' swap payments are insured, MTA Bridges and Tunnels is not required to post collateral, but Citigroup is required to post collateral if its estimated termination payments are in excess of \$1,000,000.	

Notwithstanding the foregoing, in the event any downgraded party is responsible for an event of default or potential event of default as defined in the ISDA Master Agreement, the downgraded party must immediately collateralize its obligations irrespective of the threshold amounts.

Under each MTA and MTA Bridges and Tunnels bond resolution, the payments relating to debt service on the swaps are parity obligations with the associated bonds, as well as all other bonds issued under that bond resolution, but all other payments, including the termination payments, are subordinate to the payment of debt service on the swap and all bonds issued under that bond resolution. In addition, MTA and MTA Bridges and Tunnels have structured each of the swaps (other than the 2 Broadway swaps) in a manner that will permit MTA or MTA Bridges and Tunnels to bond the termination payments under any available bond resolution.

## Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

The payments relating to debt service on the 2 Broadway swaps are parity obligations with respect to the sublease payments under the 2 Broadway Certificates of Participation, payable solely from available transportation revenues after the payment of the MTA's transportation revenue bonds and additional parity and subordinate bonds. All other payments, including the termination payments, are payable from substantially the same pool of available transportation revenues after the payment of the MTA's transportation revenue bonds and additional parity and subordinate bonds.

The ISDA Master Agreement sets forth certain termination events applicable to all swaps entered into by the parties to that ISDA Master Agreement. MTA, MTA Bridges and Tunnels and MTA New York City Transit have entered into separate ISDA Master Agreements with each counterparty that governs the terms of each swap with that counterparty, subject to individual terms negotiated in a confirmation.

The following table sets forth, for each swap, the additional termination events for the following associated bond issues. In certain swaps, where the counterparty has a guarantor of its obligations, the ratings criteria applies to the guarantor and not to the counterparty.

### Transportation Revenue and Dedicated Tax Fund Bonds

Associated Bond Issue	Additional Termination Event(s)
<b>Transportation Revenue Bonds</b>	
Series 2002D-2, Series 2005D and Series 2005E	The ratings by S&P and Moody's of the Counterparty or the MTA Transportation Revenue Bonds falls below "BBB-" and "Baa3," respectively, or are withdrawn.
Series 2012	The ratings by S&P and Moody's of the Counterparty or the MTA Transportation Revenue Bonds falls below "BBB-" and "Baa3," respectively, or are withdrawn.
<b>Dedicated Tax Fund Bonds</b>	
Series 2002B	The ratings by S&P and Fitch of the Counterparty or the MTA Dedicated Tax Fund Bonds falls below "BBB-" or are withdrawn.
Series 2008A Bonds	The ratings by S&P or Moody's of the Counterparty fall below "BBB+" or "Baa1," respectively, or the ratings of S&P or Fitch with respect to the MTA Dedicated Tax Fund Bonds falls below "BBB" or, in either case the ratings are withdrawn.

### 2 Broadway

Associated Bond Issue	Counterparty	Additional Termination Event(s)
2 Broadway Certificates of Participation, Series 2004A	UBS AG	Negative financial events relating to the swap insurer, Ambac Assurance Corporation.

**MTA Bridges and Tunnels Senior and Subordinate Revenue Bonds**

<b>Associated Bond Issue</b>	<b>Additional Termination Events</b>
<b>Senior Lien Revenue Bonds</b>	
Series 2001B and 2001C and Series 2002F	<p>1. MTA Bridges and Tunnels can elect to terminate the swap relating to that Series on 10 Business Days' notice if the Series of Bonds are converted to a fixed rate, the fixed rate on the converted Bonds is less than the fixed rate on the swap and MTA Bridges and Tunnels demonstrates its ability to make the termination payments, or MTA Bridges and Tunnels redeems a portion of the Series of Bonds and demonstrates its ability to make the termination payments.</p> <p>2. Negative financial events relating to the related swap insurer, Ambac Assurance Corporation.</p>
Series 2005B interest rate swap and basis risk swap	The ratings by S&P or Moody's of the Counterparty fall below "BBB+" or "Baa1," respectively, or the ratings of S&P or Moody's with respect to the MTA Bridges and Tunnels Senior Lien Revenue Bonds falls below "BBB" or "Baa2," respectively, or , in either case the ratings are withdrawn.
<b>Subordinate Revenue Bonds</b>	
Series 2000AB and 2000CD	<p>1. MTA Bridges and Tunnels can elect to terminate the swap relating to that Series on 10 Business Days' notice if the Series of Bonds are converted to a fixed rate, the fixed rate on the converted Bonds is less than the fixed rate on the swap and MTA Bridges and Tunnels demonstrates its ability to make the termination payments, or MTA Bridges and Tunnels redeems a portion of the Series of Bonds and demonstrates its ability to make the termination payments.</p> <p>2. Negative financial events relating to the related swap insurer, Financial Security Assurance Inc.</p>

**Rollover Risk**

MTA and MTA Bridges and Tunnels are exposed to rollover risk on swaps that mature or may be terminated prior to the maturity of the associated debt. When these swaps terminate, MTA or MTA Bridges and Tunnels may not realize the synthetic fixed rate offered by the swaps on the underlying debt issues. The following debt is exposed to rollover risk:

<b>Associated Bond Issue</b>	<b>Bond Maturity Date</b>	<b>Swap Termination Date</b>
MTA Dedicated Tax Fund Variable Rate Bonds, Series 2002B	11/01/22	09/01/13
MTA Bridges and Tunnels General Revenue Variable Rate Refunding Bonds, Series 2001B and 2001C	01/01/32	01/01/19
MTA Bridges and Tunnels General Revenue Variable Rate Refunding Bonds, Series 2002F	11/01/32	01/01/13

## Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

### Swap Payments and Associated Debt

The following tables contain the aggregate amount of estimated variable-rate bond debt service and net swap payments during certain years that such swaps were entered into in order to: protect against the potential of rising interest rates; achieve a lower net cost of borrowing; reduce exposure to changing interest rates on a related bond issue; or, in some cases where Federal tax law prohibits an advance refunding, achieve debt service savings through a synthetic fixed rate. As rates vary, variable-rate bond interest payments and net swap payments will also vary. Using the following assumptions, debt service requirements of MTA's and MTA Bridges and Tunnel's outstanding variable-rate debt and net swap payments are estimated to be as follows:

- It is assumed that the variable-rate bonds would bear interest at a rate of 4.0% per annum.
- The net swap payments were calculated using the actual fixed interest rate on the swap agreements.

Year Ending December 31	MTA			
	Variable-Rate Bonds		Net Swap Payments	Total
	Principal	Interest		
2008	\$ 1.5	\$ 59.7	\$ (3.4)	\$ 57.9
2009	1.8	59.6	(3.4)	58.1
2010	1.9	59.6	(3.4)	58.1
2011	2.0	59.5	(3.4)	58.1
2012	2.0	59.4	(3.3)	58.1
2013-2017	210.2	284.1	(17.6)	476.7
2018-2022	436.7	219.8	(15.5)	641.1
2023-2027	257.4	145.8	(9.5)	393.7
2028-2032	475.1	82.4	(2.6)	554.9
2033-2036	104.3	7.8	—	112.1

Year Ending December 31	MTA Bridges and Tunnels			
	Variable-Rate Bonds		Net Swap Payments	Total
	Principal	Interest		
2008	\$ 38.5	\$ 68.1	\$ 4.9	\$ 111.5
2009	40.9	66.5	4.4	111.8
2010	43.0	64.8	3.5	111.3
2011	45.8	63.0	2.6	111.3
2012	48.0	61.1	1.7	110.7
2013-2017	290.2	272.1	(14.5)	547.7
2018-2022	196.0	220.0	(34.2)	381.8
2023-2027	188.8	185.0	(32.4)	341.4
2028-2032	845.6	83.9	(15.8)	913.7

## 8—Lease Transactions

### Leveraged Lease Transactions: Subway Cars

During 1995, MTA Bridges and Tunnels entered into a sale/leaseback transaction with a third party whereby MTA Bridges and Tunnels sold certain subway cars, which were contributed by MTA New York City Transit, for net proceeds of \$84.2. These cars were subsequently leased back by MTA Bridges and Tunnels under a capital lease. The deferred credit of \$34.2 was netted against the carrying value of the leased assets, and the assets were recontributed to the MTA New York City Transit. MTA Bridges and Tunnels transferred \$5.5 to the MTA, representing the net economic benefit of the transaction. The remaining proceeds, equal to the net present value of the lease obligation, of which \$71.3 was placed in an irrevocable deposit account at ABN AMRO Bank N.V. and \$7.5 was invested in U.S. Treasury Strips. The estimated yields and maturities of the deposit account and the Treasury Strips are expected to be sufficient to meet all of the regularly scheduled obligations under the lease as they become due, including the purchase option, if exercised. The capital lease obligation is included in other long-term liabilities. At the end of the lease term MTA Bridges and Tunnels has the option to purchase the subway cars for approximately \$106, which amount has been reflected in the net present value of the lease obligation, or to make a lease termination payment of approximately \$89.

### Leveraged Lease Transactions: Hillside Facility

On March 31, 1997, the MTA entered into a lease/leaseback transaction with a third party whereby the MTA leased MTA Long Island Rail Road's Hillside maintenance facility to the third party. The term of the lease is 22 years, and the third party has the right to renew for a further 21.5 year term. The facility was subsequently subleased back to the MTA as a capital lease, and sub-subleased by the MTA to MTA Long Island Rail Road.

Under the terms of the lease/leaseback agreement, the MTA initially received \$314, which was utilized as follows. The MTA paid \$266 to Coöperatieve Centrale Raiffeisen-Boerenleenbank B.A. (Rabobank Nederland), an affiliate of the third party's lender, which has the obligation to pay to the MTA an amount equal to the rent obligations under the sublease attributable to the debt service on the loan from the third party's lender. The MTA used \$21 to purchase Treasury securities, which are pledged as collateral to the third party. The value at maturity of these Treasury securities, together with the proceeds from the aforementioned obligation of Coöperatieve Centrale Raiffeisen-Boerenleenbank B.A., is sufficient to pay all of the regularly scheduled rent obligations, including the cost of purchasing the third party's remaining rights at the end of the 22 year sublease period, if the related purchase option is exercised. A further \$0.6 was used to pay for legal and other costs of the transaction, and \$3 was used to pay the first rental payment under the sublease. A further \$23 is the MTA's net benefit from the transaction, representing consideration for the tax benefits. MTA Bridges and Tunnels has entered into a guarantee with the third party that the sublease payments will be made. At December 31, 2008, the MTA has recorded a long-term capital obligation and capital asset of \$272 arising from the transaction.

### Leveraged Lease Transactions: Subway and Rail Cars

On December 12, 1997, the MTA entered into two lease/leaseback transactions whereby the MTA leased certain of MTA Metro-North Railroad's rail cars to a third party and MTA New York City Transit leased certain subway maintenance cars to the same third party. The lease periods for MTA Metro-North Railroad's rail cars expire between 2009 and 2014, depending on the asset, and the lease period for MTA New York City Transit's subway maintenance cars expires in 2013. The third party has the right to renew the lease for an additional period of 12 years for MTA Metro-North Railroad cars, and a further 12 years for MTA New York City Transit's subway maintenance cars. The cars were subsequently subleased back to the MTA as a capital lease, and sub-subleased by the MTA to MTA Metro-North Railroad and MTA New York City Transit, respectively.

Under the terms of these lease/leaseback agreements, the MTA initially received \$76.6, which was utilized as follows: The MTA paid \$59.8 to an affiliate of the third party's lender, which has the obligation to pay to the MTA an amount equal to the rent obligations under the sublease attributable to the debt service on the loan from the third party's lender. The obligations of the affiliate of the third party's lender are guaranteed by American International Group, Inc. In connection with all of the obligations of American International Group, Inc. and its affiliates described in this Footnote 8, MTA continues to monitor the support being provided to American International Group, Inc. by the Federal Reserve and the publicly available information on the financial condition of American International Group, Inc. The MTA used \$12.5 to purchase a Letter of Credit from an affiliate of the third-party's lender, guaranteed by American International Group, Inc. The payments to the MTA under the Letter of Credit, together with the aforementioned payments from the affiliate of the third-party's lender, are sufficient to pay all of the regularly scheduled rent obligations, including the cost of purchasing the third party's remaining rights at the end of the sublease period if the related purchase options are exercised. At December 31, 2008, the MTA has recorded a long-term capital obligation and capital asset of \$41 arising from the transaction.



Years Ended December 31, 2008 and 2007

(\$ in millions)

As a result of the downgrade of American International Group, Inc., the guarantor of the Letter of Credit, the provider of the Letter of Credit was required to pledge, and has pledged, collateral in the form of securities issued or guaranteed by the U.S. Government, including U.S. Treasury obligations and any other obligations the timely payment of principal of, and interest on, which are guaranteed by the U.S. Government and bonds, notes, debentures, obligations or other evidence of indebtedness issued and/or guaranteed by Federal National Mortgage Association, Federal Home Loan Mortgage Corporation, Government National Mortgage Association or any other agency or instrumentality of the United States of America which are rated AAA by Standard & Poor's, which collateral has a market value in excess of the accreted value of its obligations. In the event of a failure of the obligor under the Letter of Credit and American International Group, Inc., as guarantor of such obligations, to perform, the transaction documents are structured to provide recourse to the securities that have been pledged as collateral for such obligations.

MTA has pledged additional collateral to cover the difference between the market value of the collateral provided by American International Group, Inc. and the nominal amount of the sum of MTA's rent payments plus the optional purchase option payments. The market value of the securities pledged as collateral by MTA was approximately \$8 as of February 10, 2009. As American International Group, Inc. increases the value of its collateral during the period through the remaining purchase option dates in 2013 and 2014, the MTA collateral will be released to MTA in an equivalent amount until MTA has no further collateralization obligation.

MTA exercised the purchase option on the first tranche of the lease related to MTA Metro-North Railroad assets and paid the first installment thereof on January 5, 2009. The final installment is due in December, 2009.

#### **Leveraged Lease Transactions: Subway Cars**

On September 25, 2002 and December 17, 2002 the MTA entered into four sale/leaseback transactions whereby MTA New York City Transit transferred ownership of certain MTA New York City Transit subway cars to the MTA, the MTA sold those cars to third parties, and the MTA leased those cars back from such third parties. The MTA subleased the cars to MTA New York City Transit. The four leases expire in 2032, 2034, 2033, and 2033, respectively. At the lease expiration, the MTA has the option of either exercising a fixed price purchase option for the cars or returning the cars to the third party owner.

Under the terms of the sale/leaseback agreements, the MTA initially received \$1,514.9, which was utilized as follows: The MTA paid \$1,058.6 to affiliates of certain of the lenders to the third parties, which affiliates have the obligation to pay to the MTA an amount equal to the rent obligations under the leases attributable to the debt service on the related loans. The obligations of the affiliate of the third parties' lenders are guaranteed by Financial Security Assurance, Inc. The MTA also purchased Freddie Mac, FNMA, and U.S. Treasury debt securities in amounts and with maturities which are sufficient to make the lease rent payments equal to the debt service on the loans from the other lenders to the third parties. In the case of one of the four leases, MTAHQ also purchased Freddie Mac debt securities, the value of which at maturity, together with the aforementioned payment from the affiliate of the third party lender and the value at maturity of the Freddie Mac securities that were purchased to provide sufficient funds to make the lease rent payments equal to the debt service on the loan from the other lender to the third party, are sufficient to pay all regularly scheduled rent obligations, including the cost of purchasing the third party's remaining rights at the end of the sublease period if the related purchase options are exercised. In the case of the other three leases, the MTA entered into Equity Payment Agreements with Premier International Funding Co. (which are guaranteed by Financial Security Assurance, Inc.) whereby that entity has the obligation to provide to the MTA the amounts necessary, together with the aforementioned payments from the affiliate of the third parties' lender and the value at maturity of the Freddie Mac, FNMA, and U.S. Treasury debt securities that were purchased to provide sufficient funds to make the lease rent payments equal to the debt service on the loan from the other lenders to the third parties, are sufficient to pay all regularly scheduled rent obligations, including the cost of exercising the respective fixed price purchase options, if such purchase options are exercised. In two of the three leases in which Premier International Funding Co. is the obligor under the Equity Payment Agreements, Premier International Funding Co. is required to pledge, and has pledged, collateral in the form of securities issued or guaranteed by the United States Government, including United States Treasury obligations, publicly traded U.S. Treasury Strips, Government National Mortgage Association obligations and any other obligations the timely payment of principal and interest of which are guaranteed by the United States Government, and bonds, notes, debentures, obligations or other evidence of indebtedness issued and/or guaranteed by Federal National Mortgage Association, Federal Home Loan Mortgage Corporation or any agency or instrumentality of the United States of America, which collateral has a market value in excess of the accreted value of its obligations.

Years Ended December 31, 2008 and 2007

(\$ in millions)

In the event of a failure to perform by Premier International Funding Co., as obligor under the Equity Payment Agreements in the three leases, and Financial Security Assurance, Inc., as guarantor of such obligations, the transaction documents for the two leases in which such obligations are collateralized are structured to provide recourse to the securities that have been pledged as collateral for such obligations. The accreted value of the Equity Payment Agreement in the transaction in which the obligation of Premier International Funding Co., as obligor, and Financial Security Assurance, Inc., as guarantor, is uncollateralized was \$10.4 at December 31, 2008.

The amount remaining after payment of transaction expenses, \$96.2, was the MTA's net benefit from these four transactions.

#### **Leveraged Lease Transactions: Qualified Technological Equipment**

On December 19, 2002, the MTA entered into four sale/leaseback transactions whereby MTA New York City Transit transferred ownership of certain MTA New York City Transit qualified technological equipment (QTE) relating to the MTA New York City Transit automated fare collection system to the MTA. The MTA sold that equipment to third parties and the MTA leased that equipment back from such third parties. The MTA subleased the equipment to MTA New York City Transit. The four leases expire in 2022, 2020, 2022, and 2020, respectively. At the lease expiration the MTA has the option of either exercising a fixed-price purchase option for the equipment or returning the equipment to the third-party owner.

Under the terms of the sale/leaseback agreements the MTA initially received \$507.4, which was utilized as follows: The MTA paid \$316.2 to affiliates of certain of the lenders to the third parties, which affiliates have the obligation to pay to MTA an amount equal to the rent obligations under the leases attributable to the debt service on the loan from certain of the third parties' lenders. The MTA also purchased FNMA and U.S. Treasury debt securities in amounts and with maturities which are sufficient to make the lease rent payments equal to the debt service on the loans from the other lenders to the third parties. In the case of three of the four leases the MTA also purchased U.S. Treasury debt securities in amounts and with maturities which are expected to be sufficient to pay the remainder of the regularly scheduled lease rent payments under those leases and the purchase price due upon exercise by the MTA of the related purchase options if exercised. In the case of the other lease, the MTA entered into an Equity Payment Undertaking Agreement with XL Insurance (Bermuda) Ltd. (which was guaranteed by XL Financial Assurance Ltd.) whereby that entity had the obligation to provide to the MTA the amounts necessary to make the remainder of the equity portion of the basic lease rent payments under that lease and to pay the equity portion of the purchase price due upon exercise by the MTA of the purchase option if exercised. The amount remaining after payment of transaction expenses, \$57.6, was the MTA's net benefit from these four transactions. As consideration for the cooperation of the City of New York in these transactions, including the transfer of any property interests held by the City on such equipment to MTA New York City Transit and the MTA, the MTA is obligated to pay to the City 24.11 percent of the net benefit received from these four QTE transactions. At December 31, 2008, the MTA had paid the City of New York \$13.7.

On February 7, 2008, the MTA learned that XL Insurance (Bermuda) Ltd. was downgraded to a level that under the applicable transaction documents required the MTA to replace the Equity Payment Undertaking Agreement with other permitted collateral. On May 2, 2008, the MTA entered into a termination agreement that terminated the QTE transaction in which the XL Insurance (Bermuda) Ltd. Equity Payment Undertaking Agreement served as equity collateral. In connection with such termination, the MTA transferred to the lessor in that transaction U.S. Treasury debt obligations, having a cost of approximately \$75, which obligations were substantially similar in amount and payment terms to the XL Insurance (Bermuda) Ltd. Equity Payment Undertaking Agreement. The MTA subsequently entered into an agreement with XL Insurance (Bermuda) Ltd. to terminate the XL Insurance (Bermuda) Ltd. Equity Payment Undertaking Agreement and XL Insurance (Bermuda) Ltd. paid the MTA \$61.

On September 16, 2008, the MTA learned that American International Group, Inc. was downgraded to a level that under the transaction documents for two of the remaining three QTE leases required the MTA to replace the applicable Equity Credit Default Option Agreement provided by AIG Financial Products Corp. and guaranteed by American International Group, Inc. MTA terminated those two leases in January, 2009 pursuant to early termination agreements with the equity investor. The MTA achieved a net gain of approximately \$3 as a result of such terminations.

#### **Leveraged Lease Transaction: Subway Cars**

On June 3, 2003, the MTA entered into a sale/leaseback transaction whereby MTA New York City Transit transferred ownership of certain MTA New York City Transit subway cars to the MTA, the MTA sold those cars to a third party, and the MTA leased those cars back from such third party. The MTA subleased the cars to MTA New York City Transit. The lease expires in 2033. At the lease expiration, the MTA has the option of either exercising a fixed-price purchase option for the cars or returning the cars to the third-party owner.

Years Ended December 31, 2008 and 2007

(\$ in millions)

Under the terms of the sale/leaseback agreement, the MTA initially received \$168.1, which was utilized as follows: The MTA paid \$126.3 to an affiliate of one of the lenders to the third party, which affiliate has the obligation to pay to the MTA an amount equal to the rent obligations under the lease attributable to the debt service on such loan from such third party's lender. The obligations of the affiliate of the third party's lender are guaranteed by American International Group, Inc. The MTA also purchased FNMA and U.S. Treasury securities in amounts and with maturities which are sufficient to make the lease rent payments equal to the debt service on the loans from the other lender to the third party and to pay the remainder of the regularly scheduled rent due under that lease and the purchase price due upon exercise by the MTA of the fixed price purchase option if exercised. The amount remaining after payment of transaction expenses, \$7.4, was the MTA's benefit from the transaction.

**Leveraged Lease Transactions: Subway Cars**

On September 25, 2003 and September 29, 2003, the MTA entered into two sale/leaseback transactions whereby MTA New York City Transit transferred ownership of certain MTA New York City Transit subway cars to the MTA, the MTA sold those cars to third parties, and the MTA leased those cars back from such third parties. The MTA subleased the cars to MTA New York City Transit. Both leases expire in 2033. At the lease expiration, MTAHQ has the option of either exercising a fixed-price purchase option for the cars or returning the cars to the third-party owner.

Under the terms of the sale/leaseback agreements, the MTA initially received \$294, which was utilized as follows: In the case of one of the leases, the MTA paid \$97 to an affiliate of one of the lenders to the third party, which affiliate has the obligation to pay to the MTA an amount equal to the rent obligations under the lease attributable to the debt service on the loan from such third party's lender. The obligations of the affiliate of such third party's lender are guaranteed by American International Group, Inc. In the case of the other lease, the MTA purchased U.S. Treasury debt securities in amounts and with maturities which are sufficient for the MTA to make the lease rent payments equal to the debt service on the loan from the lender to that third party. In the case of both of the leases, the MTA also purchased Resolution Funding Corporation (REFCO) debt securities that mature in 2030. Under an agreement with AIG Matched Funding Corp. [guaranteed by American International Group, Inc.], AIG Matched Funding Corp. receives the proceeds from the REFCO debt securities at maturity and is obligated to pay to the MTA amounts sufficient for the MTA to pay the remainder of the regularly scheduled lease rent payments under those leases and the purchase price due upon exercise by the MTA of the purchase options if exercised. The amount remaining after payment of transaction expenses, \$24, was the MTA's net benefit from these two transactions.

On September 16, 2008, the MTA learned that American International Group, Inc. was downgraded to a level that under the terms of the transaction documents for the sale/leaseback transaction that closed on September 29, 2003, the MTA is required to replace or restructure the applicable Equity Payment Undertaking Agreement provided by AIG Financial Products Corp. and guaranteed by American International Group, Inc. On December 17, 2008, MTA terminated the Equity Payment Undertaking Agreement provided by AIG Financial Products Corp. and guaranteed by American International Group, Inc. and provided replacement collateral in the form of U.S. Treasury strips. The Resolution Funding Corporation (REFCO) debt security that was being held in pledge was released to MTA. On November 6, 2008, the MTA learned that Ambac Assurance Corp., the provider of the credit enhancement that insures the MTA's contingent obligation to pay a portion of the termination values upon an early termination in both the September 25, 2003 and September 29, 2003 transactions, was downgraded to a level that requires the provision of new credit enhancement facilities for each lease by December 21, 2008. On December 17, 2008, MTA terminated the Ambac Assurance Corp. surety bond for the lease transaction that closed on December 29, 2003 and provided a short term U.S. Treasury debt obligation as replacement collateral. The cost of the replacement collateral was \$32. As a result of a mark-to-market of the securities provided as collateral as of January 31, 2009, \$8 of such \$32 in collateral value was released back to MTA. It is anticipated that during 2009, MTA will acquire a letter of credit or financial insurance to replace the U.S. Treasury security as collateral in that transaction at which point such U.S. Treasury security will be released back to MTA.

On January 12, 2009, following an extension of the due date for such action, MTA provided a short term U.S. Treasury debt obligation as additional collateral in addition to the Ambac Assurance Corp. surety bond for the lease transaction that closed on December 29, 2003. The cost of the additional collateral was \$37. It is anticipated that during 2009, MTA will acquire a letter of credit or financial insurance to replace the U.S. Treasury security as collateral in that transaction at which point such U.S. Treasury security will be released back to MTA.

## Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

### Other Lease Transactions

On July 29, 1998, the MTA, (solely on behalf of MTA Long Island Rail Road and MTA Metro-North Railroad, MTA New York City Transit, and MTA Bridges & Tunnels) entered into a lease and related agreements whereby each agency, as subleasees, will rent, for an initial stated term of approximately 50 years, an office building at Two Broadway in lower Manhattan. The lease term expires on July 30, 2048, and, pursuant to certain provisions, is renewable for two additional 15-year terms. The lease comprises both operating (for the lease of land) and capital (for the lease of the building) elements. The total annual rental payments over the initial lease term are \$1,602 with rent being abated from the commencement date through June 30, 1999. During 2002 and 2001 the MTA made rent payments of \$21. In connection with the renovation of the building and for tenant improvements, the MTA issued \$121 and \$328 in 2000 and 1999, respectively, of long-term obligations (see Note 7). The office building is principally occupied by MTA New York City Transit and MTA Bridges & Tunnels.

On April 8, 1994, the MTA amended its lease for the Harlem/Hudson line properties, including Grand Central Terminal. This amendment initially extends the lease term, previously expiring in 2031, an additional 110 years and, pursuant to several other provisions, an additional 133 years. In addition, the amendment grants the MTA an option to purchase the leased property after the 25th anniversary of the amended lease. The amended lease comprises both operating (for the lease of land) and capital (for the lease of buildings and track structure) elements.

In August 1988, the MTA entered into a 99-year lease agreement with Amtrak for Pennsylvania Station. This agreement, with an option to renew, is for rights to the lower concourse level and certain platforms. The \$45 paid to Amtrak by the MTA under this agreement is included in other assets. This amount is being amortized over 30 years. In addition to the 99-year lease, MTA Long Island Rail Road entered into an agreement with Amtrak to share equally the cost of the design and construction of certain facilities at Pennsylvania Station. Under this agreement, the MTA may be required to contribute up to \$60 for its share of the cost. As of December 31, 2000 the project was closed and \$50 was included in property and equipment.

Total rent expense under operating leases approximated \$41.9 and \$25.8 for the years ended December 31, 2008 and 2007 respectively.

At December 31, 2008, the future minimum lease payments under noncancelable leases are as follows:

Year	Operating	Capital
2009	\$ 53	\$ 305
2010	50	174
2011	47	70
2012	45	170
2013	45	76
2014–2018	213	400
2019–2023	207	705
2024–2028	213	274
2029–2033	227	1,075
2034–2038	251	701
Thereafter	854	521
	\$ 2,205	4,471
Amount representing interest		(3,039)
<b>Present value of capital lease obligations</b>		<b>\$1,432</b>

Years Ended December 31, 2008 and 2007

(\$ in millions)

**9—Estimated Liability Arising from Injuries to Persons**

A summary of activity in estimated liability as computed by actuaries arising from injuries to persons, including employees, and damage to third-party property, for the years ended December 31, 2008 and 2007 is presented below:

	December 31, 2008	December 31, 2007
Balance - beginning of year	\$1,232	\$1,160
Activity during the year:		
Current year claims and changes in estimates	284	260
Claims paid	(186)	(188)
Balance - end of year	1,330	1,232
Less current portion	(205)	(199)
<b>Long-term liability</b>	<b>\$1,125</b>	<b>\$1,033</b>

**10—Commitments and Contingencies**

The MTA Group actively monitors its properties for the presence of pollutants and/or hazardous wastes and evaluates its exposure with respect to such matters. When the expense, if any, to clean up pollutants and/or hazardous wastes is estimable it is accrued by the MTA.

Management has reviewed with counsel all actions and proceedings pending against or involving the MTA Group, including personal injury claims. Although the ultimate outcome of such actions and proceedings cannot be predicted with certainty at this time, management believes that losses, if any, in excess of amounts accrued resulting from those actions will not be material to the financial position, results of operations, or cash flows of the MTA.

**11—Pollution Remediation Cost**

Effective 2008, pollution remediation costs are being charged in accordance with the provision of GASB Statement No 49. The Statement establishes standards for determining when expected pollution remediation outlays should be accrued as a liability or, if appropriate, capitalized. An operating expense and corresponding liability, measured at its current value using the expected cash flow method, have been recognized for certain pollution remediation obligations that are no longer able to be capitalized as a component of a capital project. Pollution remediation obligations, which are estimates and subject to changes resulting from price increases or reductions, technology, or changes in applicable laws or regulations, occur when any one of the following obligating events takes place:

- An imminent threat to public health due to pollution exists
- MTA is in violation of a pollution prevention-related permit or license
- MTA is named by a regulator as a responsible or potentially responsible party to participate in remediation
- MTA is named or there is evidence to indicate that it will be named in a lawsuit that compels participation in remediation activities, or
- MTA voluntarily commences or legally obligates itself to commence remediation efforts

Operating expense provision and corresponding liability measured at its current value using the expected cash flow method have been recognized for certain pollution remediation obligation that previously may not have been required to be recognized, or are not longer able to be capitalized as a component of a capital project. As of December 31, 2008, the MTA has recognized a total cost of \$43 and a pollution remediation liability of \$105.

The pollution remediation liability consists of future and present activities associated with asbestos removal and contamination of the soil at different facilities.

# Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

## 12—Operating Activity Information

	MTA	Commuters	Transit	Bridges and Tunnels	Eliminations	Consolidated Total
<b>December 31, 2008</b>						
Operating revenue	\$ 283	\$ 1,083	\$ 3,321	\$ 1,287	\$ (42)	\$ 5,932
Depreciation and amortization	75	517	1,122	77	—	1,791
Subsidies and grants	2,076	—	1,415	—	(1,260)	2,231
Tax revenue	1,263	—	793	—	(338)	1,718
Interagency subsidy	347	—	120	(347)	(120)	—
Operating (deficit) surplus	(851)	(1,584)	(4,725)	736	33	(6,391)
Net (deficit) surplus	1,808	(1,520)	(38)	(1,228)	15	(963)
Capital expenditures	4,503	312	782	771	(1,840)	4,528
<b>December 31, 2008</b>						
Total assets	10,882	10,306	29,885	4,263	(1,879)	53,457
Net working capital	988	37	(393)	(359)	(686)	(413)
Long-term debt — (including current portion)	17,673	—	—	8,496	(42)	26,127
Net assets	(10,852)	9,125	25,081	(5,020)	—	18,334
<b>December 31, 2008</b>						
Net cash (used in)/provided by operating activities	(506)	(903)	(2,365)	873	18	(2,883)
Net cash provided by/(used in) noncapital financing activities	3,565	948	2,536	(365)	(2,538)	4,146
Net cash (used in)/provided by capital and related financing activities	(3,468)	(42)	(478)	(581)	2,559	(2,010)
Net cash provided by/(used in) investing activities	516	(3)	306	68	(64)	823
Cash at beginning of year	53	25	35	17	—	130
Cash at end of period	160	25	34	12	(25)	206

NOTE: Only MTA and MTA Bridges and Tunnels agencies are issuing debt.

(continued)

## Notes to Consolidated Financial Statements

Years Ended December 31, 2008 and 2007

(\$ in millions)

	MTA	Commuters	Transit	Bridges and Tunnels	Eliminations	Consolidated Total
<b>December 31, 2007</b>						
Operating revenue	\$ 254	\$ 1,024	\$ 3,159	\$ 1,263	\$ (34)	\$ 5,666
Depreciation and amortization	68	490	1,061	70	—	1,689
Subsidies and grants	1,939	—	1,330	—	(1,170)	2,099
Tax revenue	1,459	—	1,247	—	(301)	2,405
Interagency subsidy	406	—	156	(401)	(161)	—
Operating (deficit) surplus	(833)	(1,475)	(4,291)	763	—	(5,836)
Net (deficit) surplus	828	(1,411)	452	80	(15)	(66)
Capital expenditures	4,042	285	898	297	(1,325)	4,197
<b>December 31, 2007</b>						
Total assets	11,435	9,884	28,747	4,062	(2,359)	51,769
Net working capital	1,274	(31)	261	(363)	(1,108)	33
Long-term debt – (including current portion)	17,793	—	—	7,156	(43)	24,906
Net assets	(10,835)	8,820	25,119	(3,792)	(15)	19,297
<b>December 31, 2007</b>						
Net cash (used in)/provided by operating activities	(690)	(931)	(2,297)	893	41	(2,984)
Net cash provided by/(used in) noncapital financing activities	4,121	939	2,718	(414)	(2,832)	4,532
Net cash provided by/(used in) capital and related financing activities	(3,992)	(22)	(638)	(557)	2,791	(2,418)
Net cash provided by/(used in) Investing activities	536	13	214	82	—	845
Cash at beginning of year	78	26	38	13	—	155
Cash at end of period	53	25	35	17	—	130

NOTE: Only MTA and MTA Bridges and Tunnels agencies are issuing debt.

(concluded)

## 13—Settlement of Claims

A claim against MTA LI Bus was settled in January 2009 for \$5. FMTAC's Excess Loss Fund Program was responsible for \$2.7, the amount in excess of the MTA LI Bus's retention of \$2.3 at the time of the event.

## 14—Subsequent Events

On February 19, 2009, MTA Bridges and Tunnels issued \$150 Triborough Bridge and Tunnel General Revenue Mandatory Tender Bonds, Series 2009A-1 and \$325 General Revenue Bonds, Series 2009A-2. In addition to financing projects for MTA Bridges and Tunnels, Series 2009A-1 proceeds could be used to refinance certain MTA Bridges and Tunnels Senior or Subordinate Revenue bonds. Series 2009A-2 proceeds were used for new money purposes as well as to refund \$197.9 of Triborough Bridge and Tunnel General Revenue Variable Rate Refunding Bonds, Series 2005B-1. A portion of the swap associated with Series 2005B-1, has been reassigned to MTA Bridges and Tunnels General Revenue Variable Rate Refunding Bonds, Series 2002F, MTA Bridges and Tunnels General Revenue Variable Rate Bonds, Series 2003B and MTA Bridges and Tunnels General Revenue Variable Rate Bonds, Series 2005A.

MTA sold \$261.7 of Dedicated Tax Fund (DTF) Bonds on March 12, 2009. Proceeds of the issue will be used to finance capital projects of the subway, bus and commuter rail systems of the MTA and its affiliates and subsidiaries.

On April 9, 2009, \$50 of MTA Bridges and Tunnels Subordinate Revenue Bonds, Series 2000CD has been refunded from the proceeds of MTA Bridges and Tunnels General Revenue Mandatory Tender Bonds, Series 2009A-1. A portion of the swap associated with the aforementioned bonds has been reassigned to MTA Bridges and Tunnels General Revenue Variable Rate Bonds, Series 2003B.

On April 10, 2009, Moodys Investors Service Inc. placed the MTA's Transportation Revenue Bonds rating on Watchlist for possible downgrade from their current A2 rating. Moodys explained that this action was prompted by the MTAs projected budget shortfalls and the absence of a long term funding solution to finance future debt service costs on the Transportation Revenue Bonds. The review is expected to be completed within 90 days. The Triborough Bridge and Tunnel Authority (TBTA) bonds and MTAs Dedicated Tax Fund bonds are supported by different revenue streams from MTAs Transportation Revenue Bonds and are not affected by the Watchlist action.

\* \* \* \* \*



## Required Supplementary Information (Unaudited)

Years Ended December 31, 2008 and 2007

(\$ in millions)

### Schedule of Pension Funding Progress

	January 1, 2008	January 1, 2007	January 1, 2006
<b>LIRR<sup>(1)</sup>:</b>			
a. Actuarial value of plan assets	\$537.6	\$509.1	\$625.0
b. Actuarial accrued liability (AAL)	1,560.1	1,543.5	1,898.6
c. Total unfunded AAL (UAAL) [b-a]	1,022.5	1,034.4	1,273.6
d. Funded ratio [a/b]	34.5%	33.0%	32.9%
e. Covered payroll	\$80.9	\$94.0	\$117.3
f. UAAL as a percentage of covered payroll [c/e]	1263.5%	1100.4%	1085.8%
<b>MaBSTOA<sup>(2)</sup>:</b>			
a. Actuarial value of plan assets	\$1,190.8	\$1,057.9	\$841.0
b. Actuarial accrued liability (AAL)	2,045.0	1,938.3	1,725.2
c. Total unfunded AAL (UAAL) [b-a]	854.1	880.5	884.2
d. Funded ratio [a/b]	58.2%	54.6%	48.7%
e. Covered payroll	\$562.2	\$519.7	\$498.0
f. UAAL as a percentage of covered payroll [c/e]	151.9%	169.4%	177.5%
<b>MNR Cash Balance Plan<sup>(3)</sup>:</b>			
a. Actuarial value of plan assets	\$1.3	\$1.4	\$1.5
b. Actuarial accrued liability (AAL)	1.4	1.4	1.6
c. Total unfunded AAL (UAAL) [b-a]	0.065	0.074	0.100
d. Funded ratio [a/b]	95.4%	94.8%	94.0%
e. Covered payroll	\$6.8	\$6.8	\$7.9
f. UAAL as a percentage of covered payroll [c/e]	1.0%	1.1%	1.3%

[1] The LIRR pension plan has a separately issued financial statement that is publicly available and contains required descriptions and supplemental information regarding the employee benefit plan. The statements may be obtained by writing to the Metropolitan Transportation Authority, Comptroller, 345 Madison Avenue, New York, New York 10017-3739.

[2] MaBSTOA issues a publicly available financial report that includes financial statements and required supplementary information for the MaBSTOA Plan. That report may be obtained by writing to MaBSTOA Pension Plan, New York City Transit Authority, Operations Accounting, 2 Broadway, 15th Floor, New York, NY 10004.

[3] Further information about the MNR Plan is more fully described in the separately issued financial statements which can be obtained by writing to the MTA Metro-North Railroad Chief Financial Officer, 347 Madison Avenue, New York, New York 10017-3739.

## Required Supplementary Information (Unaudited)

Years Ended December 31, 2008 and 2007

(\$ in millions)

### Schedule of Funding Progress for the MTA Postemployment Benefit Plan

Actuarial Valuation Date	Actuarial Value of Assets {a}	Actuarial Accrual Liability [AAL] {b}	Unfunded Actuarial Accrual Liability [UAAL] {c} = {b} - {a}	Funded Ratio {a} / {c}	Covered Payroll {d}	Ratio of UAAL to Covered Payroll {c} / {d}
January 1, 2006	\$—	\$13,241	\$13,241	\$—	\$4,557.1	290.6%
January 1, 2006	—	13,623	13,623	—	4,381.9	310.9%

## Supplementary Information (Unaudited)

For the Year Ended December 31, 2008

(\$ in millions)

### Schedule of Financial Plan to Financial Statements Reconciliation

	(unaudited)
<b>Financial plan actual – Operating loss</b>	<b>\$(6,426.7)</b>
<b>Reconciling items:</b>	
FMTAC revenues are recorded as operating on the Financial Plan and recorded as non-operating on the Financial Statements	(4.6)
Various agencies recorded adjustments to the Financial Statements after the Financial Plan was completed	41.7
The Financial Plan excluded Capital Construction and East Side Access	(0.7)
<b>Financial Statement — Operating Loss</b>	<b>\$(6,390.3)</b>

## Supplementary Information (Unaudited)

For the Year Ended December 31, 2008

(\$ in millions)

### Consolidated Reconciliation Between Financial Plan and Financial Statements

Category	Financial Plan Actual (Unaudited)	Financial Statement GAAP Actual	Variance
<b>REVENUE</b>			
Farebox revenue	\$4,240.9	\$4,240.9	\$—
Vehicle toll revenue	1,270.0	1,274.0	4
Other operating revenue	448.6	417.3	(31.3)
<b>Total Revenue</b>	<b>5,959.5</b>	<b>5,932.2</b>	<b>(27.3)</b>
<b>EXPENSES</b>			
<b>Labor:</b>			
Payroll	4,087.4	4,126.0	(38.6)
Overtime	471.7	434.0	37.7
Health and welfare	684.9	715.7	(30.8)
Pensions	318.5	898.8	(580.3)
Other fringe benefits	502.7	524.9	(22.2)
Postemployment benefits	2,245.3	1,656.4	588.9
Reimbursable overhead	(310.6)	(264.2)	(46.4)
<b>Total Labor Expenses</b>	<b>7,999.9</b>	<b>8,091.6</b>	<b>(91.7)</b>
<b>Non-Labor:</b>			
Traction and propulsion power	306.5	306.5	—
Fuel for buses and trains	287.0	287.0	—
Insurance	28.9	(1.2)	30.1
Claims	152.1	152.1	—
Paratransit service contracts	299.0	299.0	—
Maintenance and other	594.2	583.5	10.7
Professional service contract	196.9	204.4	(7.5)
Pollution remediation project costs	42.2	43.1	(0.9)
Materials and supplies	532.5	532.4	0.1
Other business expenses	156.0	32.8	123.2
	2,595.3	2,439.6	155.7
<b>Other Expenses Adjustments:</b>			
TBTA transfer	—	—	—
GASB general reserve	—	—	—
Interagency subsidy	—	—	—
<b>Total Other Expense Adjustments</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Total Expenses Before Depreciation</b>	<b>10,595.2</b>	<b>10,531.2</b>	<b>64.0</b>
Depreciation	1,791.0	1,791.3	(0.3)
<b>Total Expenses</b>	<b>12,386.2</b>	<b>12,322.5</b>	<b>63.7</b>
<b>New Operating Surplus/(Deficit) Excluding Subsidies And Debt Services</b>	<b>\$(6,426.7)</b>	<b>\$(6,390.3)</b>	<b>\$(36.4)</b>

## Supplementary Information (Unaudited)

For the Year Ended December 31, 2008

(\$ in millions)

### Consolidated Subsidy Accrual Reconciliation Between Financial Plan and Financial Statements

Accrued Subsidies	Financial Plan Actual (Unaudited)	Financial Statement GAAP Actual	Variance
Mass transportation operating assistance	\$1,706.2	\$1,706.2	\$—
Petroleum business tax	612.7	612.7	—
Mortgage recording tax 1 and 2	395.5	395.5	—
MRT transfer	(10.7)	(10.7)	—
Urban tax	459.8	459.8	—
State and local operating assistance	378.8	378.8	—
Additional mass transportation assistance program	19.6	19.6	—
Nassau county subsidy to Long Island Bus	10.5	10.5	—
Station maintenance	147.8	147.8	—
Connecticut Department of Transportation (CDOT)	309.6	312.8	3.2 <sup>(1)</sup>
NYS Grant for debt service	—	115.4	115.4 <sup>(2)</sup>
Investment income	14.9	22.9	8.0 <sup>(3)</sup>
Total accrued subsidies	4,044.7	4,171.3	126.6
Net operating surplus/(deficit) excluding accrued subsidies and debt service	(6,426.7)	(6,390.3)	36.4
Total net operating surplus/(deficit)	\$(2,382.0)	\$(2,219.0)	\$163.0
Interest on long-term debt	\$—	\$1,209.0	\$—
Debt service	\$1,515.7	\$—	\$—

(1) Timing difference.

(2) In the Financial Statement, funds received from NYS to cover debt service payments for Service Contract Bonds are included in the subsidies. The Financial Plan does not include either the funds received or disbursed.

(3) The Financial Plan excludes certain pool and capital income.



The header consists of a horizontal blue bar with a white-to-blue gradient. The text "Statistical Section" is centered in the white portion. A thin vertical line is positioned to the left of the bar, and a thin horizontal line is positioned below it. A thick blue horizontal bar is located at the bottom of the page.

## Statistical Section

## Statistical Tables and Charts

### Financial Trends

Intended to assist users in understanding and assessing how the MTA's financial position has changed over time. They track net assets; changes in net assets; the percentage of revenue that come from various sources; and the farebox recovery ratio, which measures the percentage of revenue that comes from subway, commuter rail, and bus fares.

#### MTA Net Assets\*

(\$ millions)	2002	2003	2004	2005	2006	2007	2008
<b>Invested in Capital Assets</b>							
<b>Net of Related Debt</b>							
Capital Assets, Net	\$29,079	\$31,556	\$33,654	\$35,900	\$38,307	\$40,611	\$43,323
Related Debt	(16,148)	(18,741)	(20,826)	(22,841)	(24,769)	(25,821)	(28,027)
Defeasance Cost	632	592	589	578	549	506	462
Unused Funds	328	264	261	407	690	607	32
<b>Restricted for Debt Service</b>							
Transportation Revenue Bonds	24	23	21	136	167	283	272
Dedicated Tax Fund Bonds	18	26	24	31	38	36	30
Capital Leases	270	475	433	444	424	311	330
General Revenue Bonds — Senior	456	1,606	350	458	312	458	436
General Revenue Bonds — Subordinate	—	—	—	—	154	—	—
Unrestricted	2,203	1,712	3,090	2,880	3,491	2,306	1,476
<b>Total Net Assets</b>	<b>\$16,862</b>	<b>\$17,513</b>	<b>\$17,596</b>	<b>\$17,993</b>	<b>\$19,363</b>	<b>\$19,297</b>	<b>\$18,334</b>

\*Due to changes in reporting requirements, information is not readily available in this format prior to 2002.

#### MTA Changes in Net Assets\*

(\$ millions)	2002	2003	2004	2005	2006	2007	2008
Operating Revenues	\$4,053	\$4,544	\$4,837	\$5,198	\$5,487	\$5,666	\$5,932
Operating Expenses	(6,996)	(7,582)	(8,013)	(8,752)	(9,330)	(11,502)	(12,323)
Net Non-Operating Revenue	1,637	2,267	2,498	2,660	3,315	3,735	2,978
Grants and Other Receipts	1,666	1,422	761	1,291	1,898	2,035	2,450
Restricted for Capital Purchases							
<b>Net Change</b>	<b>\$360</b>	<b>\$651</b>	<b>\$83</b>	<b>\$397</b>	<b>\$1,370</b>	<b>(\$66)</b>	<b>(\$963)</b>

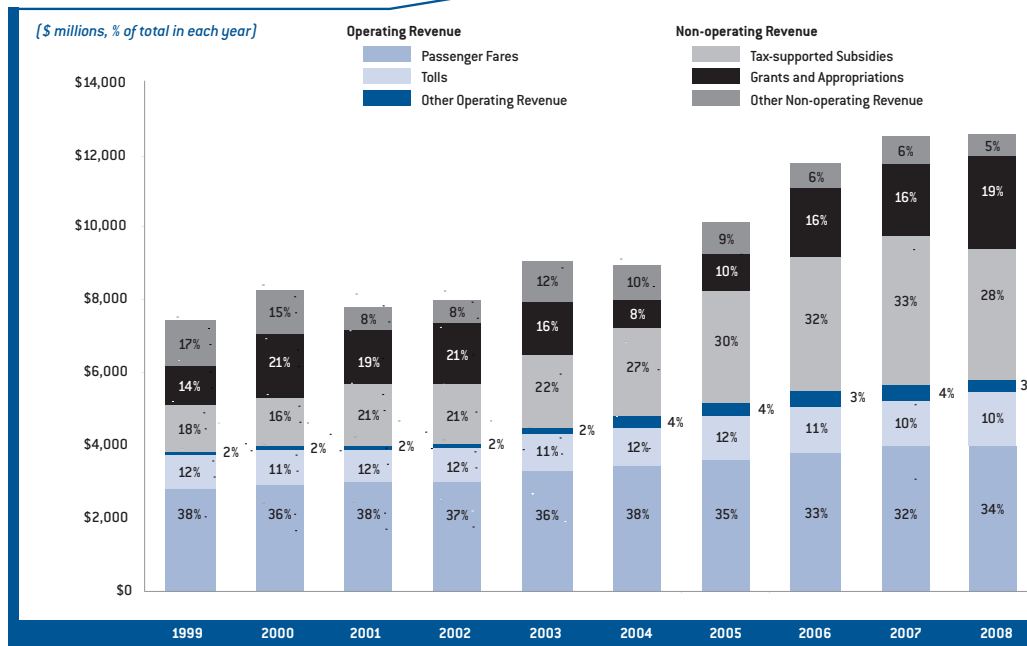
\* Due to changes in reporting requirements, information is not readily available in this format prior to 2002.



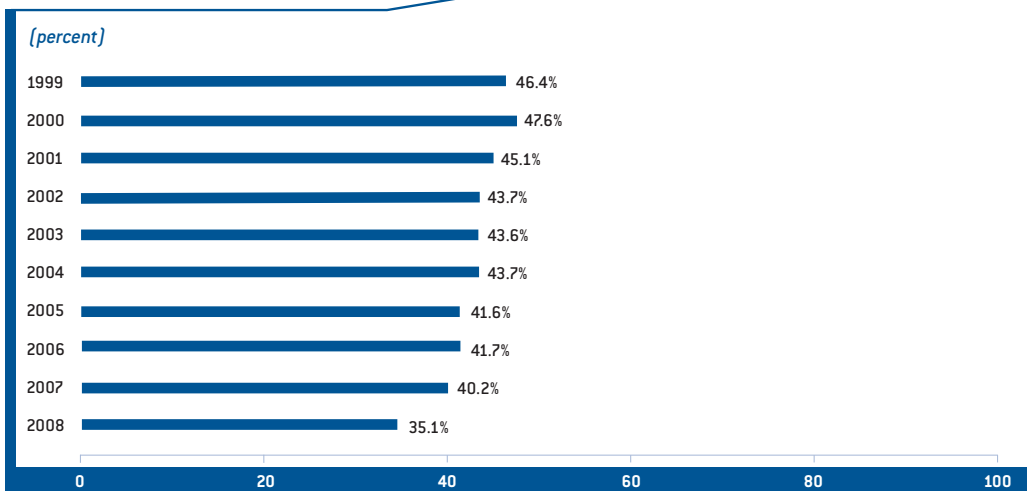
**Revenue**  
(\$ millions)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Passenger fares	2,809	2,943	2,987	2,979	3,311	3,424	3,606	3,840	3,995	4,241
Tolls	913	940	915	933	1,022	1,097	1,205	1,241	1,251	1,274
Other Operating Revenue	120	150	150	141	190	316	387	406	420	417
Tax-supported Subsidies	1,315	1,304	1,630	1,668	2,016	2,453	3,048	3,725	4,105	3,550
Grants and Appropriations	1,047	1,731	1,510	1,666	1,423	761	1,050	1,898	2,035	2,450
Other Non-operating Revenue	1,226	1,211	666	608	1,118	907	882	682	721	648
<b>Total</b>	<b>7,430</b>	<b>8,279</b>	<b>7,858</b>	<b>7,995</b>	<b>9,080</b>	<b>8,958</b>	<b>10,178</b>	<b>11,792</b>	<b>12,527</b>	<b>12,580</b>

**Revenue by Source**



**MTA Farebox Recovery Ratio**



## Statistical Tables and Charts

### Revenue Capacity

Intended to assist users in understanding and assessing the factors affecting the MTA's ability to generate its own-source revenues. They track the subway, commuter rail, and bus fares and bridge and tunnel tolls, which are the sources of revenue over which the MTA has control. Figures are for year-end of the dates indicated and reflect changes made in subway and bus fares in November 1995, May 2003, February 2005, and March 2008; changes made in New York State commuter rail fares in November 1995, May 2003, March 2005, and March 2008 (fares to/from Connecticut stations changed in January 1998, March 2003, and January 2005); and changes made in bridge and tunnel tolls in March 1996, March 2003, March 2005, and March 2008.

#### Bus and Subway Fares

##### New York City Transit, Long Island Bus, MTA Bus

As of Dec. 31	Base Fare		MetroCard Discounts					
	Subway, Local Bus	Express Bus	Pay-Per Ride MetroCard† Percent Added/Minimum Purchase	Unlimited Ride MetroCard**				
				1-Day	7-Day	14-Day	30-Day	7-Day Express Bus Plus
2008	\$2.00	\$5.00	15%/\$7.00	\$7.50	\$25	\$47	\$81	\$41
2007 2006 2005	\$2.00	\$5.00	20%/\$10.00	\$7	\$24	—	\$76	\$41
2004 2003	\$2.00	\$4.00	20%/\$10.00	\$7	\$21	—	\$70	\$33
2002 2001 2000 1999	\$1.50	\$3.00	10%/\$15.00	\$4	\$17	—	\$63	—

\* The MTA has a Reduced-Fare program for people with qualifying disabilities and senior citizens. The base reduced fare is \$1.00, and purchasers receive Pay-Per-Ride MetroCard bonuses described. The Reduced-Fare price for 30-Day, 14-Day, and 7-Day cards is one-half the regular price. Reduced fare is not available on express buses from 6-10 a.m. and from 3-7 p.m.

† Pay-Per-Ride MetroCard includes a free transfer between a bus and subway (subject to certain restrictions). Bus customers in New York City paying cash are entitled to a free bus-to-bus transfer. Long Island Bus customers paying cash pay an additional 25¢ for a bus-to-bus transfer; Reduced-Fare customers pay an additional 10¢.

\*\* Unlimited Ride cards permit unlimited subway and local bus rides for the period indicated. Express Bus Plus allows unlimited express bus rides as well.

#### Commuter Rail Fares

##### One-Way Peak Fare Formulas\*

As of Dec. 31	Long Island Rail Road	Metro-North Railroad		
		East of Hudson New York State	East of Hudson Connecticut	West of Hudson
2008	\$5.133 + 17.06¢/mile	\$5.139 + 17.13¢/mile	\$5.452 + 18.17¢/mile	\$3.898 + 11.41¢/mile
2007 2006 2005	\$4.936 + 16.41¢/mile	\$4.941 + 16.47¢/mile	\$5.452 + 18.17¢/mile	\$3.749 + 10.97¢/mile
2004 2003	\$4.701 + 15.63¢/mile	\$4.706 + 15.69¢/mile	\$5.167 + 17.22¢/mile	\$3.57 + 10.45¢/mile
2002 2001 2000 1999	\$3.761 + 12.50¢/mile	\$3.795 + 12.65¢/mile	\$4.493 + 14.98¢/mile	\$2.55 + 9.50¢/mile

\* Mileage charges are based on the average distance between the main terminal and the stations in each fare zone. Monthly ticket prices, which represent the largest component of fare purchases, are computed by Long Island Rail Road on the basis of a 48 to 59 percent discount off one-way peak fares based on approximately 42 trips per month and on Metro-North Railroad on the basis of a 48 to 51 percent discount on East-of-Hudson service and 34 to 53 percent for West-of-Hudson service based on approximately 42 trips per month. The MTA has a Reduced-Fare program for off-peak travel for people with qualifying disabilities and senior citizens. The reduced fare is one-half the regular fare.

Bridge and Tunnel Tolls

**Bridges and Tunnels: One-way Automobile Toll, Cash/E-ZPass\***

As of Dec. 31	Major Crossings: Bronx-Whitestone Bridge, Brooklyn-Battery Tunnel, Robert F. Kennedy Bridge, Queens Midtown Tunnel, Throgs Neck Bridge, Verrazano-Narrows Bridge †	Minor Crossings: Cross Bay Veterans Memorial Bridge, Marine Parkway-Gil Hodges Memorial Bridge	Henry Hudson Bridge
2008	\$5.00/\$4.15	\$2.50/\$1.55	\$2.75/\$1.90
2007 2006 2005	\$4.50/\$4.00	\$2.25/\$1.50	\$2.25/\$1.75
2004 2003	\$4.00/\$3.50	\$2.00/\$1.33	\$2.00/\$1.50
2002 2001 2000 1999	\$3.50/\$3.00	\$1.75/\$1.25	\$1.75/\$1.25

\* Charges for other types of vehicles are based on vehicle size and type. Discounts for the Verrazano-Narrows Bridge are available to residents of Staten Island and discounts for the Marine Parkway-Gil Hodges Memorial Bridge and the Cross Bay Veterans Memorial Bridge are available to Rockaway and Broad Channel residents.

† Tolls are collected in a single direction on the Verrazano-Narrows Bridge and are doubled.

## Statistical Tables and Charts

### Debt Capacity

Intended to assist users in understanding and assessing the MTA's debt burden and its ability to issue additional debt.

#### Debt by Resolution

*(\$ millions)*

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Transportation Revenue	\$4,637	\$4,537	\$4,410	\$4,968	\$6,179	\$6,569	\$9,207	\$9,940	\$10,434	\$11,112
Transportation Revenue										
Bond Anticipation Notes	750	750	750	750	420	720	—	440	750	668
Dedicated Tax Fund	1,208	1,533	2,064	2,231	2,193	3,305	3,278	3,972	4,272	3,636
State Service Contract	1,961	1,904	1,844	2,395	2,395	2,374	2,332	2,289	2,243	2,194
2 Broadway Certificates										
of Participation	328	447	439	431	422	453	443	431	422	411
MTA Bridges and Tunnels	5,039	4,897	5,879	4,221	4,470	4,431	4,586	4,701	4,757	6,259
General Revenue										
MTA Bridges and Tunnels	—	—	—	1,706	2,187	2,404	2,364	2,324	2,272	2,048
Subordinate Revenue										
MTA Bridges and Tunnels	—	807	807	—	—	—	—	—	—	—
Bond Anticipation Notes										
<b>Total</b>	<b>\$13,923</b>	<b>\$14,875</b>	<b>\$16,193</b>	<b>\$16,702</b>	<b>\$18,266</b>	<b>\$20,256</b>	<b>\$22,210</b>	<b>\$24,097</b>	<b>\$25,150</b>	<b>\$26,328</b>

#### Debt Capacity

*(\$ millions)*

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Debt Limit	\$6,500	\$16,500	\$16,500	\$16,500	\$16,500	\$16,500	\$16,500	\$28,877	\$28,877	\$28,877
Debt Issuance	3,800	4,100	5,461	6,978	8,728	10,631	13,217	14,866	16,116	18,694
Subject to the Limit										
Limit Available	\$2,700	\$12,400	\$11,039	\$9,522	\$7,772	\$5,869	\$3,283	\$14,011	\$12,761	\$10,183
Percent of Limit	58.5%	24.8%	33.1%	42.3%	52.9%	64.4%	80.1%	51.5%	55.8%	64.7%

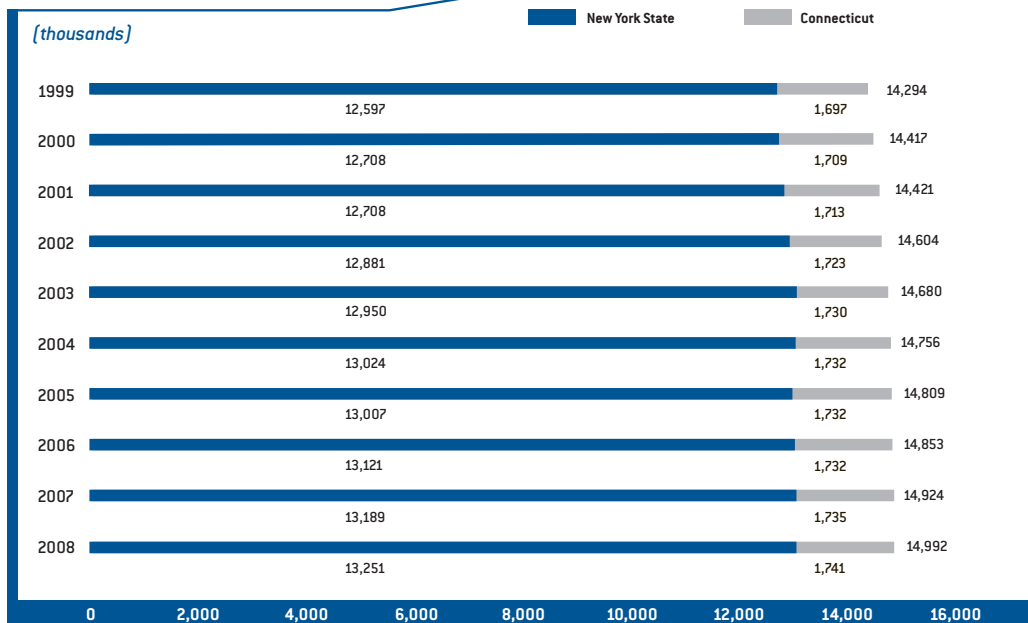
Note: The statutory debt limit includes only debt issued for transit and commuter projects set forth in the 1992 through 2009 CPRB-approved Capital Programs. Statutory exclusions include refunding bonds and bonds issued to cover the cost of issuance.

# Statistical Tables and Charts

## Demographic and Economic Information

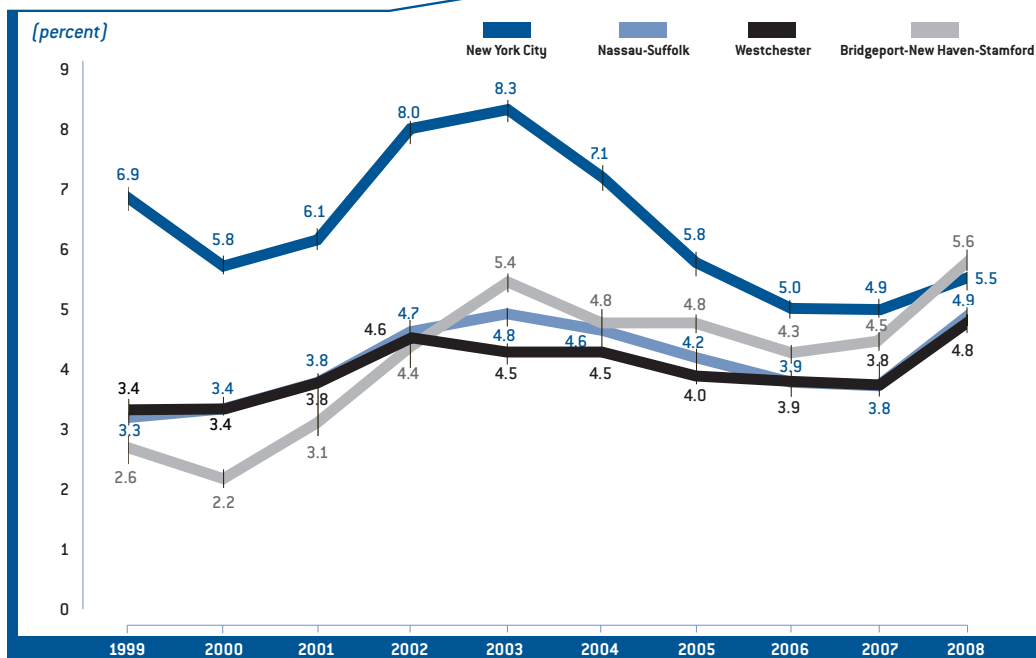
Intended to assist users in understanding the socioeconomic environment within which the MTA operates and to provide information that facilitates comparisons of financial statement information over time. They measure the population of the MTA's 14-county service area and local unemployment rates, both have which can affect ridership.

### Population in Service Area



Figures are based on the population estimates by county as published by United States Census Bureau as of July 1 of the year indicated for the 14 counties served by the MTA.

### Local Unemployment Rates



Note: Data represents annualized unemployment rates published by the Bureau of Labor Statistics of the U.S. Department of Labor.

# Statistical Tables and Charts

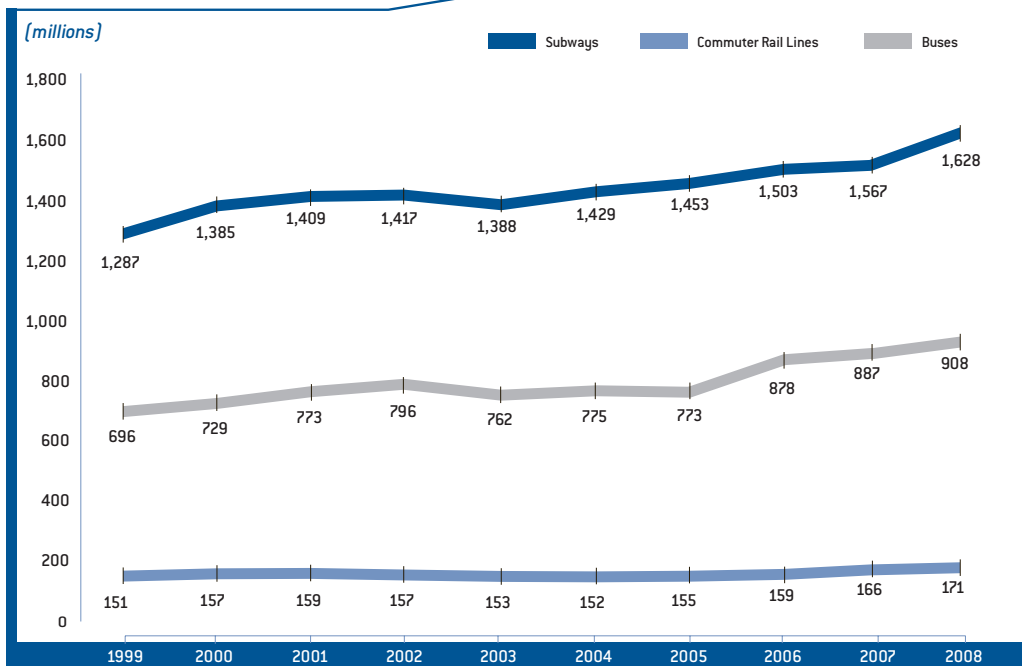
## Operations

Intended to provide contextual information about the MTA operations and resources to assist readers in using financial statement information to understand and assess the MTA's economic condition.

### Scope of Operations

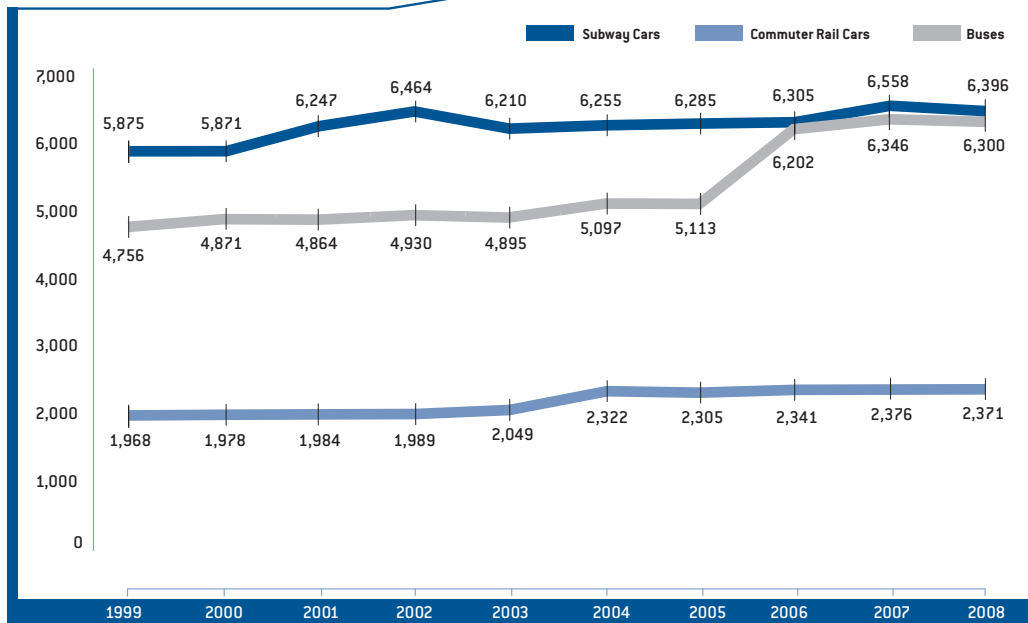
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Subway Lines	26	26	28	28	28	28	27	27	27	27
Subway Stations	490	490	490	490	490	490	490	490	490	490
Subway Route Miles	247	247	247	247	247	247	247	247	247	245
Subway Track Miles	685	685	685	685	689	689	689	689	689	688
Commuter Rail Lines	17	17	17	17	17	17	17	17	17	17
Commuter Rail Stations	241	243	243	243	244	244	244	244	244	244
Commuter Rail Route Miles	703	703	703	703	703	703	703	701	702	702
Commuter Rail Track Miles	1,370	1,369	1,369	1,369	1,369	1,369	1,369	1,369	1,368	1,368
Bus Routes	288	290	298	298	298	297	297	378	378	378
Bus Route Miles	2,637	2,641	2,646	3,012	2,967	2,967	2,967	3,879	3,903	3,926
Bridges	?	?	?	?	?	?	?	?	?	?
Tunnels	2	2	2	2	2	2	2	2	2	2

### MTA Revenue Passengers



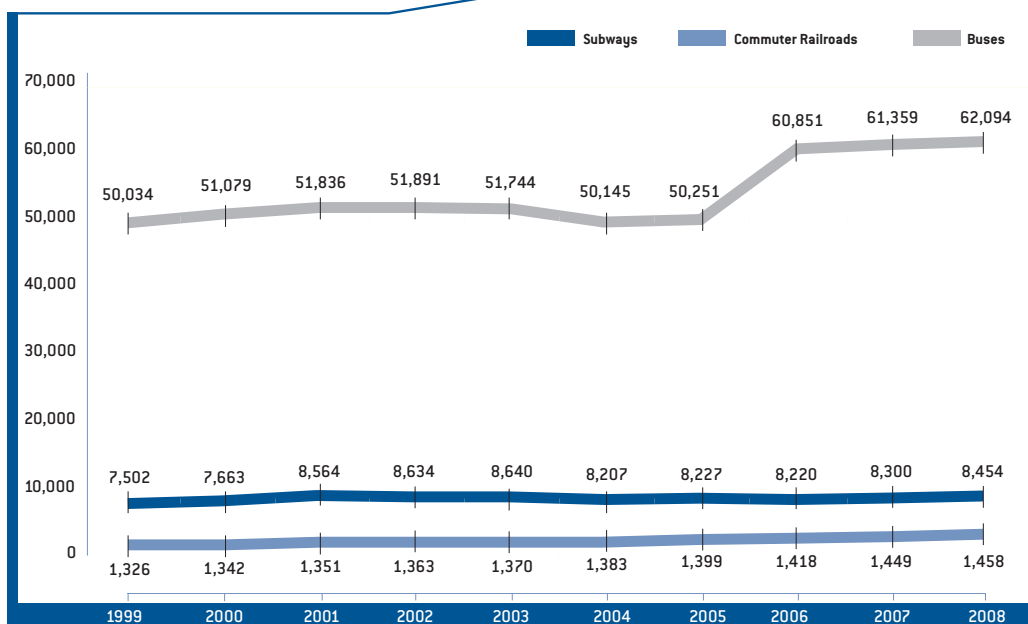
Note: Bus statistics include Long Island Bus Able-Ride operations for the entire period, New York City Transit Access-A-Ride operations beginning in 2001, and MTA Bus operations beginning in 2006.

MTA Rolling Stock



Note: Beginning in 2006, bus statistics include operations of MTA Bus.

Average Number of Weekday Subway/Bus/Train Trips

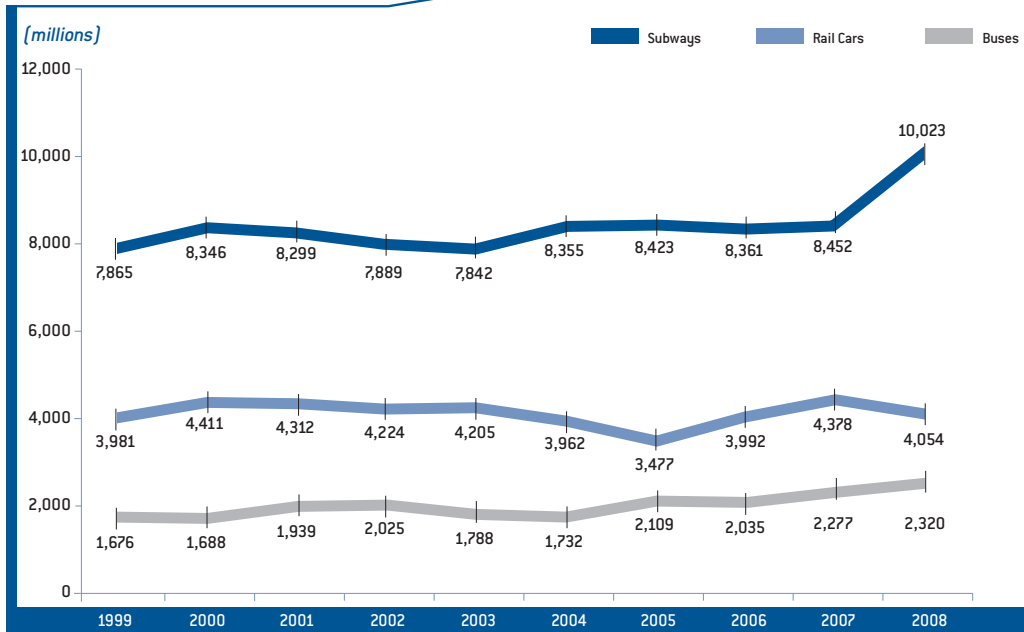


Note: Beginning in 2006, bus statistics include operations of MTA Bus.

# Statistical Tables and Charts

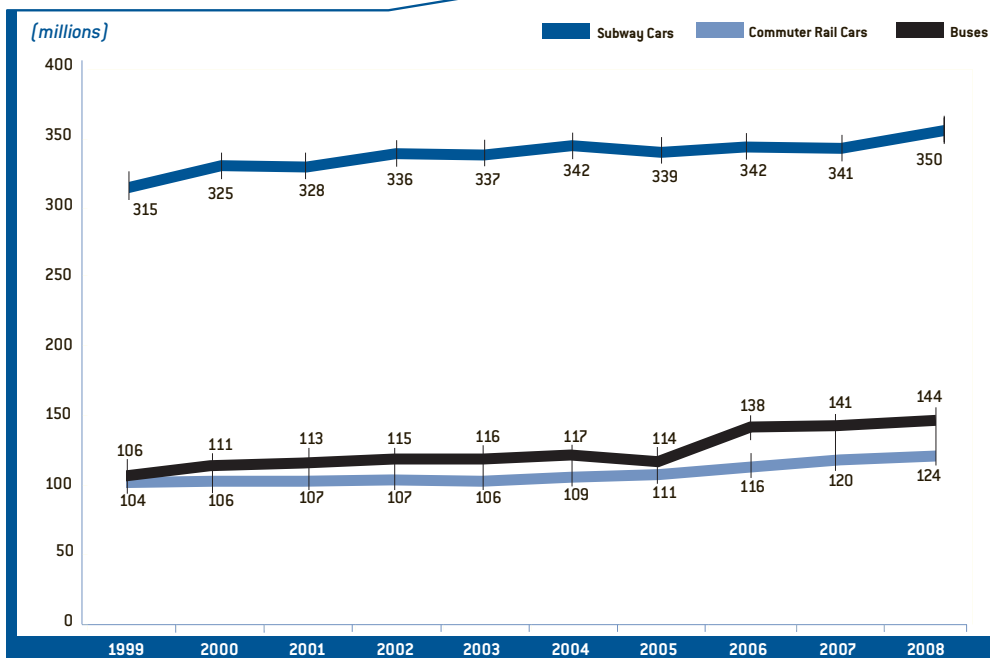
## Operations

MTA Passenger Miles



Note: Beginning in 2007, bus statistics include operations of MTA Bus.

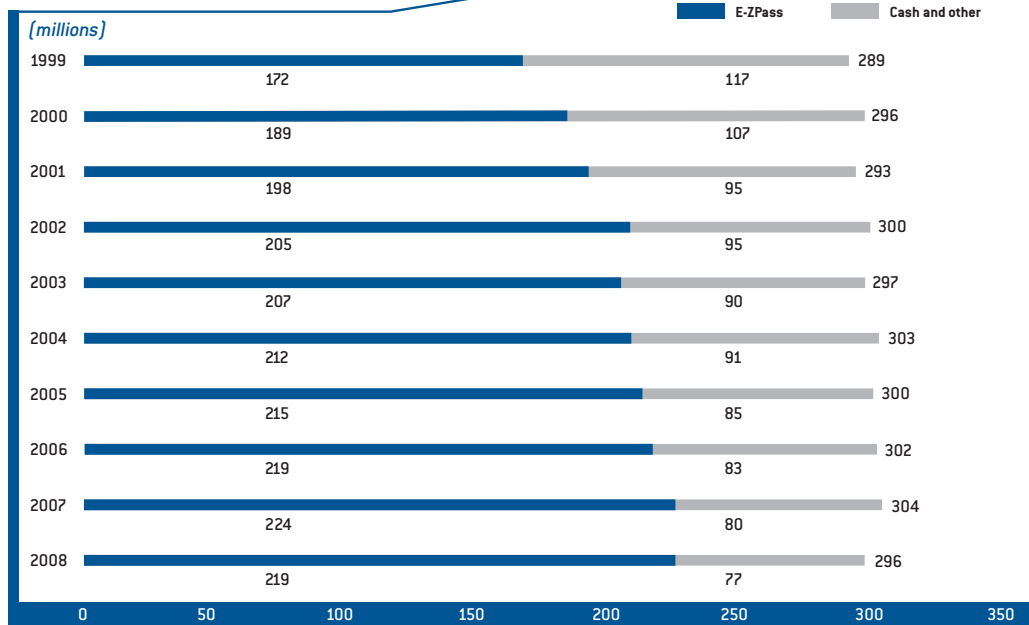
MTA Revenue Vehicle Miles



Note: Beginning in 2006, bus statistics include operations of MTA Bus.



MTA Bridges and Tunnels Vehicle Crossings



Employees by Category

	2004	2005	2006	2007	2008
Administration	4,320	4,254	4,394	4,783	4,964
Operations	28,505	28,201	30,733	31,005	31,132
Maintenance	27,330	27,526	28,834	29,791	30,159
Engineering/Capital	1,933	1,908	1,875	1,918	1,920
Public Safety	1,589	1,583	1,621	1,620	1,581
<b>Total</b>	<b>63,677</b>	<b>63,472</b>	<b>67,457</b>	<b>69,117</b>	<b>69,756</b>

Note: In 2004 the MTA standardized the category definitions of employees at its agencies; consolidated employee counts by category prior to that date are not available.

## 2008 Operating Statistics

	MTA New York City Transit/Subway	MTA New York City Transit/Bus <sup>1</sup>	MTA Staten Island Railway	MTA Long Island Rail Road	MTA Long Island Bus <sup>2</sup>
Paid rides (annual)					
<b>2008</b>	<b>1,623,881,369</b>	<b>746,977,406</b>	<b>4,379,855</b>	<b>87,358,476</b>	<b>33,085,818</b>
2007	1,562,515,065	738,039,531	4,129,328	86,098,475	32,524,310
Gain (Loss)	61,366,304	8,937,875	250,527	1,260,001	561,508
Percent change	3.93%	1.21%	6.07%	1.46%	1.73%
Paid rides (average weekday)					
<b>2008</b>	<b>5,225,675</b>	<b>2,377,320</b>	<b>15,713</b>	<b>302,583</b>	<b>109,729</b>
2007	5,042,263	2,356,301	14,956	302,402*	108,102
Gain (Loss)	183,412	21,019	757	181	1,627
Percent change	3.64%	0.89%	5.06%	0.06%	1.51%
Annual revenue vehicle miles					
<b>2008</b>	<b>347,416,429</b>	<b>102,920,091</b>	<b>2,371,978</b>	<b>64,813,813</b>	<b>14,128,687</b>
2007	338,410,914	101,303,184*	2,178,054*	63,044,647	13,486,124*
Gain (Loss)	9,005,515	1,616,907	193,924	1,769,166	642,563
Percent change	2.66%	1.60%	8.90%	2.81%	4.76%
Average number weekday train/bus trips					
	8,313	46,234	141	732	4,453
Stations					
	468	—	22	124	—
Train lines/bus routes					
	26	244	1	11	54
Route miles <sup>7</sup>					
Rail route miles	231	—	14	319	—
Bus route miles	—	2,056	—	—	954
Track miles <sup>8</sup>					
	659	—	29	594	—
Rolling stock					
Rail cars	6,332	—	64	1,177	—
Buses	—	4,561	—	—	414
Bridges					
	—	—	—	—	—
Tunnels					
	—	—	—	—	—
Employees					
	27,967	14,804	267	6,806	1,117

\* Restated from 2007 Annual report.

1. NYCT/Bus statistics include operations of Manhattan and Bronx Surface Transit Operating Authority, a subsidiary of New York City Transit; they do not include ridership of Access-A-Ride paratransit operation.
2. Some LI Bus statistics (paid rides, revenue vehicle miles, rolling stock, and employees) include both fixed-route and Able-Ride paratransit operations.

3. MNR statistics include operations on the Harlem, Hudson, and New Haven lines in New York State and Connecticut and the New York State portions of the Port Jervis and Pascack Valley Lines.
4. NYCT total ridership statistics include New York City Transit subway, bus, and Access-A-Ride paratransit operations.

## 2008 Operating Statistics

MTA Metro-North Railroad <sup>3</sup>	MTA Bus Company	MTA Bridges and Tunnels	MTA New York City Transit Total <sup>4</sup>	Combined MTA Railroads Total <sup>5</sup>	MTA Network Total <sup>6</sup>
<b>83,555,587</b>	<b>121,028,149</b>	<b>295,679,638</b>	<b>2,378,102,325</b>	<b>170,914,063</b>	<b>2,707,510,210</b>
80,133,867	110,269,609	304,364,216	2,306,426,537	166,232,342	2,619,582,126
3,421,720	10,758,540	(8,684,578)	71,675,788	4,681,721	87,928,084
4.27%	9.76%	-2.85%	3.11%	2.82%	3.36%
<b>287,119</b>	<b>398,272</b>	<b>833,134</b>	<b>7,626,264</b>	<b>589,702</b>	<b>8,739,680</b>
276,555	362,230*	857,996	7,417,478	578,957	8,481,723
10,564	36,042	(24,862)	208,786	10,745	257,957
3.82%	9.95%	-2.90%	2.81%	1.86%	3.04%
<b>59,125,566</b>	<b>27,176,771</b>	<b>—</b>	<b>450,336,520</b>	<b>123,939,379</b>	<b>617,953,335</b>
56,695,109	25,537,089*	—	439,714,098	119,739,756	600,655,121
2,430,457	1,639,682	—	10,622,422	4,199,623	17,298,214
4.29%	6.42%	—	2.42%	3.51%	2.88%
726	11,407	—	54,547	1,458	72,006
120	—	—	468	244	734
6	80	—	270	17	422
383	—	—	231	702	947
—	902	—	2,056	—	3,912
774	—	—	659	1,368	2,056
1,194	—	—	6,332	2,371	8,767
—	1,325	—	4,561	—	6,300
—	—	7	—	—	7
—	—	2	—	—	2
<b>5,917</b>	<b>3,322</b>	<b>1,775</b>	<b>49,009<sup>9</sup></b>	<b>12,723</b>	<b>69,756<sup>10</sup></b>

5. Commuter railroad statistics combine operations of LIRR and MNR.

6. MTA network ridership statistics exclude Bridges and Tunnels crossings.

7. Nondirectional route miles measure the distance from terminal to terminal. Several rail or bus lines may share the same route.

8. Does not include track in yards.

9. Includes 6,095 employees in administration, operations, maintenance, and engineering/capital construction positions and 143 at Paratransit.

10. Includes 654 employees at MTA headquarters, 760 employees at MTA Public Safety, and 129 employees at MTA Capital Construction.



## Metropolitan Transportation Authority

347 Madison Avenue  
New York, NY 10017-3739  
212-878-7000  
www.mta.info

The Metropolitan Transportation Authority is a public benefit corporation chartered by the State of New York, David A. Paterson, Governor.

MTA management and Board members shown on this page are current as of April 22, 2009.

### H. Dale Hemmerdinger

Chairman

### David S. Mack

Vice Chairman

### Andrew M. Saul

Vice Chairman

### Elliot G. Sander

Executive Director and  
Chief Executive Officer

### Members of the Board

Andrew B. Albert\*  
John H. Banks, III  
James F. Blair\*  
Robert C. Bickford  
Norman E. Brown\*  
Allen P. Cappelli  
Donald Cecil  
Doreen M. Frasca  
Jeffrey A. Kay  
Mark D. Lebow  
James L. McGovern\*

Susan G. Metzger  
Mark Page  
Mitchell H. Pally  
Norman I. Seabrook  
James L. Sedore, Jr.  
Nancy Shevell  
Vincent Tessitore, Jr.\*  
Ed Watt\*  
Carl V. Wortendyke

\*non-voting member

### MTA Agencies

#### MTA New York City Transit

Howard H. Roberts, Jr.  
President  
2 Broadway  
New York, NY 10004-2207  
718-330-3000

#### MTA Long Island Rail Road

Helena E. Williams  
President  
Jamaica Station  
Jamaica, NY 11435-4380  
718-558-7400

#### MTA Long Island Bus

Joseph Smith  
President  
700 Commercial Avenue  
Garden City, NY 11530-6410  
516-542-0100

#### MTA Metro-North Railroad

Howard R. Permut  
President  
347 Madison Avenue  
New York, NY 10017-3739  
212-340-3000

#### MTA Bridges and Tunnels

Susan Kupferman  
President  
Randalls Island  
New York, NY 10035-0035  
646-252-7000

#### MTA Capital Construction

Michael Horodniceanu  
President  
2 Broadway  
New York, NY 10004-2207  
646-252-4277

#### MTA Bus Company

Joseph Smith  
President  
2 Broadway  
New York, NY 10004-2207  
646-252-5872

#### MTA Business Service Center

Sebastian L. DeSimone  
President  
200 Vesey Street  
New York, NY 10281-2299  
212-437-0510

For additional copies of the 2008 MTA annual report, write to MTA Marketing and Corporate Communications, 347 Madison Avenue, New York, NY 10017-3739; for information about the 2008 financial statements, write to MTA Office of the Comptroller, 345 Madison Avenue, New York, NY 10017-3937.

The 2008 MTA annual report and financial statements are also available on the MTA website at [www.mta.info](http://www.mta.info).





## **Metropolitan Transportation Authority**

New York City Transit  
Long Island Rail Road  
Long Island Bus  
Metro-North Railroad  
Bridges and Tunnels  
Capital Construction  
Bus Company

347 Madison Avenue  
New York, NY 10017-3739

[www.mta.info](http://www.mta.info)

© 2009 Metropolitan Transportation Authority