



Customer Services, Operations, and Safety Committee

Board Information Item III-A

October 22, 2009

Safety Report

Washington Metropolitan Area Transit Authority
Board Action/Information Summary

<input type="checkbox"/> Action <input checked="" type="checkbox"/> Information	MEAD Number:	Resolution: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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TITLE:

Safety Report

PURPOSE:

To provide the Committee with monthly safety performance measures for FY10.

DESCRIPTION:

The information contains safety performance data for the first two months of FY10 as well as a comparison of safety performance data for FY09 in the areas of derailments, fires, escalator injuries, rail, bus and MetroAccess passenger injuries, preventable and non-preventable bus collision rates, and the MetroAccess collision rate.

FUNDING IMPACT:

No impact on funding.

RECOMMENDATION:

None



Safety Report

Customer Service, Operations and Safety Committee

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SAFETY PERFORMANCE HIGHLIGHTS

FY09 VS FY10



- Rail Safety Data shows a reduction in the number of, customer station and parking lot injuries;
- Bus Safety Data shows a reduction in the number of preventable, and non-preventable collisions, also in the number of bus passenger injuries
- MetroAccess Safety Data shows a reduction in the collision rate and an increase in the passenger injury rate

RAIL

- Safety Initiatives
 - Rail operators have been re-instructed on proper berthing techniques as all trains are now stopping at the end of each platform
 - Increase in safety presence on all shifts
 - Safety meetings are being conducted to ensure compliance to all safety procedures



BUS

- Safety Initiatives
 - Bus operators are being reinstructed to take appropriate safety precautions when approaching intersections
 - Safety Bulletin was issued on approaching intersections
 - "Safety Blitzes" were conducted at the Northern Bus division and Silver Spring Station bus bay





Safety Performance Indicators

Pedestrian Injuries and Fatalities



Category	FY08	FY09	FY10 Thru August
Injuries	11	9	1
Fatalities	1	0	0*

*Pedestrian fatality of October 5, 2009 is not included, as data is calculated through August 2009

METROACCESS

- Safety Initiatives
 - Safety will partner with MetroAccess to assess, update and maintain driver education courses and certifications and develop "refresher" courses for operators.
 - Metro is reviewing contract and safety policies for MetroAccess
 - Metro is reviewing the MetroAccess cell phone policy
 - Metro is inspecting metro bus stops and rail station intercoms for ADA compliance



Appendix A - Safety



RAIL SAFETY PERFORMANCE INDICATORS

Category	FY08 Thru July	FY09 Thru July	FY10 Thru July	FY09- FY10 Change		FY08 Thru August	FY09 Thru August	FY10 Thru August	FY09- FY10 Change
Rail Passenger Injuries (on board)	12	8	2	-6		31	12	6	-6
Rail Fatalities	1	0	1	+1		1	0	2	+2
Rail Transit Facility Occupant Injuries (In Stations and Parking Facilities)	22	16	6	-10		41	26	13	-13
Rail Passenger Injury Rate	0.10	0.05	0.02	-0.03		0.11	0.04	0.03	-0.01
Escalator Injuries	19	11	6	-5		28	21	19	-2
Derailments (Main Line)	0	0	0	0		1	0	0	0
Fire Incidents	9	6	8	+2		19	15	12	-3
Smoke Incidents	15	16	15	-1		30	27	47	+20



BUS SAFETY PERFORMANCE INDICATORS

Category	FY08 Thru July	FY09 Thru July	FY10 Thru July	FY09- FY10 Change		FY08 Thru August	FY09 Thru August	FY10 Thru August	FY09- FY10 Change
Bus Passenger Injuries	12	16	5	-11		26	28	14	-14
Preventable Bus Collision Rate	18.69	16.46	9.27	-7.19		18.48	17.60	8.67	-9.55
Non- Preventable Bus Collision Rate	40.13	27.51	22.59	-4.92		34.91	24.11	15.01	-9.72
Bus Passenger Injury Rate	0.34	0.42	0.13	-0.29		0.38	0.30	0.19	-0.11



METROACCESS SAFETY PERFORMANCE INDICATORS

Category	FY08 Thru July	FY09 Thru July	FY10 Thru July	FY09- FY10 Change		FY08 Thru August	FY09 Thru August	FY10 Thru August	FY09- FY10 Change
Metro Access Passenger Injuries	6	8	11	+3		21	19	19	0
Metro Access Collision Rate	0.41	0.30	0.28	-0.02		0.29	0.30	0.30	0
Metro Access Passenger Injury Rate	0.45	0.49	0.55	+0.06		0.70	0.68	0.41	-0.27



SAFETY PERFORMANCE INDICATORS

- Passenger Injury Rate = $N \times 1,000,000 / \text{Passenger Miles}$
- N = Number of injuries requiring immediate transportation from the accident scene to a medical facility
- Preventable Accident – an accident that occurred because the employee failed to do everything reasonably expected of a trained professional to avoid involvement in an accident
- Non-Preventable Accident – an accident that occurs despite every reasonable action by the employee to avoid involvement in an accident.
- Bus Collision Rate = $N \times 1,000,000 / \text{Vehicle Miles}$
- MetroAccess Collision Rate = $N \times 1,000,000 / \text{Service Miles}$
- Service Miles = The miles that vehicles are scheduled to or actually travel while in revenue service.