



Customer Services, Operations, and Safety Committee

Board Information Item V-A

April 23, 2009

Safety Performance Indicators

**Washington Metropolitan Area Transportation Authority
Board Action/Information Summary**

Action
 Information

MEAD Number:

Resolution:
 Yes No

PURPOSE

To provide the Committee with the monthly safety performance measures for FY09.

DESCRIPTION

The information contains safety performance data for February FY09 and a comparison of safety performance data for FY08 and FY09 year- to- date, 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

None

RECOMMENDATION

None



Safety Performance Indicators Report FY09

Presented to the Board of Directors:

**Customer Service, Operations, and Safety
Committee**

April 23, 2009





Rail Safety Performance Indicators

Category	FY08 Thru February	FY09 Thru February	FY Variance Thru February	February		February Variance
				FY08	FY09	
Rail Passenger Injuries (on board)	82	40	-42	6	2	-4
Rail Transit Facility Occupant Injuries (In Stations and Parking Facilities)	175	84	-91	40	6	-34
Rail Passenger Injury Rate	0.08	0.04		0.05	0.02	
Escalator Injuries	108	79	-29	17	8	-9
Rail Collisions	0	0		0	0	
Derailments (Main Line)	0	1		0	1	
Fire Incidents	40	36	-4	2	5	+3
Smoke Incidents	89	58	-31	4	2	-2

- 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



Bus Safety Performance Indicators

Category	FY08 Thru February	FY09 Thru February	FY Variance Thru February	February		February Variance
				FY08	FY09	
Bus Passenger Injuries	128	76	-52	15	3	-12
Preventable Bus Collision Rate	21.61	16.05		18.85	9.08	
Non-Preventable Bus Collision Rate	27.27	24.59		26.93	16.35	
Bus Passenger Injury Rate	0.47	0.26		0.49	0.09	

- 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 = $N \times 1,000,000 / \text{Vehicle Miles}$
- Passenger Injury Rate = $N \times 1,000,000 / \text{Passenger Miles}$



MetroAccess Safety Performance Indicators

Category	FY08 Thru February	FY09 Thru February	FY Variance Thru February	February		February Variance
				FY08	FY09	
MetroAccess Passenger Injuries	66	55	-11	5	7	+2
MetroAccess Collision Rate	0.36	0.28		0.34	0.18	
MetroAccess Passenger Injury Rate	0.53	0.41		0.37	0.41	

- MetroAccess Collision Rate = $N \times 1,000,000 / \text{Service Miles}$
- Passenger Injury Rate = $N \times 1,000,000 / \text{Passenger Miles}$
- Service Miles = The miles that vehicles are scheduled to or actually travel while in revenue service.