

# FY 2020 DRAFT REGIONAL TARGETS FOR TRANSIT ASSET MANAGEMENT

---

## Performance Based Planning And Programming

Matthew Gaskin, TPB Transportation Planner

Regional Public Transportation Subcommittee  
January 28, 2020



National Capital Region  
**Transportation Planning Board**

# Structure of Presentation

---

- Transit Asset Management (TAM) Target-Setting Requirements
- TAM Performance Measures
- TAM 2019 Targets – Summary Table
- Tam 2019 Targets vs Actual Performance
- Draft TAM 2020 Targets
- TPB approval February 2020

# Transit Asset Management (TAM) Target Setting Requirements – Transit Providers

---

- Providers of public transportation are required to annually establish Transit Asset Management (TAM) performance targets
  - Applies to any provider receiving Federal Transit Administration (FTA) funds: recipients and sub-recipients
  - Large agencies set targets and report directly to the FTA; small agencies can participate in state group plans
- Providers must set targets within four months of the end of the previous fiscal year
  - FY 2020 targets were due by October 31, 2019 for providers on a July-to-June fiscal year (i.e., every provider except DDOT)



# Transit Asset Management (TAM) Target Setting Requirements – MPOs

- MPOs (i.e., TPB) shall adopt transit asset targets for their metropolitan planning area within 180 days of the providers
  - FTA recommendation is for a single regional target for each performance measure asset class (e.g., 40' buses, rail stations, etc.)
    - Requires adding up the numbers and targets for each type of asset from every transit provider in the region
  - MPOs do not submit TAM targets, but these targets are to be included in each new long-range plan and TIP
    - TPB to approve new TIP in March 2020



# TAM Performance Measures

	Performance Measure	Asset Classes
<b>Rolling stock (Age)</b>	Percentage of revenue vehicles within a particular asset class that have met or exceeded useful life benchmark (ULB)	Standard bus, articulated bus, vans, automobiles, locomotives, rail vehicles
<b>Equipment - (non-revenue) service vehicles (Age)</b>	Percentage of vehicles that have met or exceeded their ULB	Cranes, prime movers, vehicle lifts, tow trucks
<b>Infrastructure-rail fixed-guideway track, signals, and systems (Condition)</b>	The percentage of track segments, signal, and systems with performance restrictions	Signal or relay house, interlockings, catenary, mechanical, electrical and IT systems
<b>Stations/ Facilities (Condition)</b>	The percentage of facilities, within an asset class, rated below 3 on the TERM scale	Stations, depots, administration, parking garages, terminals



# Summary of Providers' 2019 TAM Targets

Adopted February 20, 2019

Target = Maximum percentage of assets at or exceeding standard

Reporting Entity	Rolling Stock	Service Vehicles	Rail Infrastructure	Station/ Facility Condition
WMATA	0% Rail, 0% Bus	11% <sup>d</sup>	2.1%	7% <sup>f</sup>
DDOT	0% Rail, 0% Bus	n/a	5%	0% <sup>g</sup>
Arl Co.	0%	n/a	n/a	0%
Ffx. Co.	10%	10% <sup>d</sup>	n/a	0%
Mont. Co.	11%	21% <sup>d</sup>	n/a	25% <sup>g</sup>
Pr. Geo. Co.	4%	43% <sup>d</sup>	n/a	0%
PRTC	8% <sup>b</sup>	0% <sup>e</sup>	n/a	0% <sup>g</sup>
VRE	0%	0% <sup>e</sup>	n/a	0%
Maryland Tier 2 (MTA)	13.3% <sup>a</sup>	14.6% <sup>d</sup>	n/a	25% <sup>f</sup>
Virginia Tier 2 (DRPT)	10%	25% <sup>e</sup>	n/a	10% <sup>g</sup>

a: heavy-duty buses; b: 45-foot buses; c: autos; d: trucks; e: service vehicles; f: passenger, g: maintenance/administrative facilities



# 2019 TAM Targets vs Performance

**DRAFT**

Target = Maximum percentage of assets at or exceeding standard

Reporting Entity	Rolling Stock	Actual	Service Vehicles	Actual	Rail Infrastructure	Actual	Station/Facility Condition	Actual
WMATA	0% Rail, 0% Bus	0% Rail, 3% Bus	11% <sup>d</sup>	31%	2.1%	1.69%	7% <sup>f</sup>	7.1%
DDOT	0% Rail, 0% Bus	0% Rail, 0% Bus	n/a	n/a	5%	-	0% <sup>g</sup>	0%
Arl Co.	0%	0%	n/a	n/a	n/a	n/a	0%	0%
Fairfax Co.	0%	-	12% <sup>d</sup>	-	n/a	n/a	0%	-
Mont. Co.	11%	14%	34% <sup>d</sup>	40%	n/a	n/a	22% <sup>g</sup>	22%
Pr. Geo. Co.	4%	25%	43% <sup>d</sup>	25%	n/a	n/a	0%	0%
PRTC	8% <sup>b</sup>	19%	0% <sup>e</sup>	50%	n/a	n/a	0% <sup>g</sup>	0%
VRE	0%	0%	0% <sup>e</sup>	0%	n/a	n/a	0%	0%
Maryland Tier 2 (MTA)	13% <sup>a</sup>	17%	15% <sup>d</sup>	30%	n/a	n/a	24% <sup>g</sup>	4%
Virginia Tier 2 (DRPT)	10%	-	25% <sup>e</sup>	-	n/a	n/a	10% <sup>g</sup>	-

a: heavy-duty buses; b: 45-foot buses; c: autos; d: trucks; e: service vehicles; f: passenger, g: maintenance/administrative facilities



# Summary of 2020 TAM Targets

**DRAFT**

Target = Maximum percentage of assets at or exceeding standard

Reporting Entity	Rolling Stock	Service Vehicles	Rail Infrastructure	Station/ Facility Condition
WMATA	0% Rail, 3% Bus	16% <sup>d</sup>	3.8%	7% <sup>f</sup>
DDOT	0% Rail, 0% Bus	n/a	5%	0% <sup>g</sup>
Ffx. Co.	10%	10% <sup>d</sup>	n/a	0%
Mont. Co.	8%	50% <sup>d</sup>	n/a	0%
Pr. Geo. Co.	34%	n/a	n/a	0%
PRTC	29% <sup>b</sup>	0% <sup>e</sup>	n/a	0% <sup>g</sup>
VRE	0%	0% <sup>e</sup>	n/a	0%
Maryland Tier 2 (MTA)	11.5% <sup>a</sup>	37.5% <sup>e</sup>	n/a	4% <sup>g</sup>
Virginia Tier 2 (DRPT)*	10%	25% <sup>e</sup>	n/a	10% <sup>g</sup>

a: heavy-duty buses; b: 45-foot buses; c: autos; d: trucks; e: service vehicles; f: passenger, g: maintenance/administrative facilities

\* Arlington County has joined the Virginia Tier 2 group plan



# 2020 Regional TAM Targets (1)

**DRAFT**

Percentage of revenue vehicles that have met or exceeded useful life benchmark	Regional Assets Total	Regional Target
AB- Articulated bus	77	3.0%
AO- Auto	34	0.0%
BR- Over-the-road bus	169	23.4%
BU- Bus	2680	4.9%
CU- Cutaway bus	84	6.8%
HR- Heavy rail passenger car	1200	0.0%
LR- Light rail vehicle	6	0.0%
RL- Commuter rail locomotive	20	0.0%
RP- Commuter rail passenger coach	100	0.0%
VN- Van	844	10.6%
<i>Revenue Vehicle Totals</i>	<i>5214</i>	

*Based on National Transit Database Form A-90*

- Single regional target for each performance measure asset class



# 2020 Regional TAM Targets (2)

**DRAFT**

<b>Percentage of service vehicles that have either met or exceeded their useful life benchmark</b>		
Automobiles	272	28.2%
Trucks and other Rubber Tire Vehicles	1592	16.6%
Steel Wheel Vehicles	199	8.0%
<i>Service Vehicle Totals</i>	<b>2063</b>	
<b>Percentage of track segments, signals, and systems with performance restrictions (over length in miles)</b>		
CR - Commuter Rail	0	0.0%
HR - Heavy Rail	234	3.8%
SR - Streetcar Rail	5.6	5.0%
<i>Track Segments Totals</i>	<b>239.6</b>	
<b>Percentage of Passenger and Maint. facilities rated below condition 3 on the condition scale</b>		
Passenger Facilities	120	6.3%
Passenger Parking Facilities	92	5.9%
Maintenance Facilities	123	10.0%
Administrative Facilities	57	10.4%
<i>Facility Totals</i>	<b>392</b>	

# Next Steps

---

- Board approval of final TAM targets in February 2020



## Matthew Gaskin

TPB Transportation Planner

(202) 962-3761

[mgaskin@mwkog.org](mailto:mgaskin@mwkog.org)

## Eric Randall

TPB Transportation Engineer

(202) 962-3254

[erandall@mwkog.org](mailto:erandall@mwkog.org)

[mwkog.org/tpb](http://mwkog.org/tpb)

---

Metropolitan Washington Council of Governments

777 North Capitol Street NE, Suite 300

Washington, DC 20002



National Capital Region  
**Transportation Planning Board**