

Measuring Progress Toward Meeting Regional Goals

COG Planning Directors
Technical Advisory Committee
April 15, 2011

1

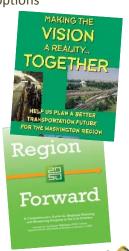
Background

- Regional transportation goals based on the TPB Vision and COG's Region Forward
- Examples of transportation performance measures that can be used to evaluate CLRP performance and regional priorities
- Performance measures quantified using the 2010 CLRP
- Initial presentation on performance measures to Priorities Plan Scoping Task Force on Feb 16, 2011

Regional Transportation Goals

Based on the TPB Vision and COG's Region Forward

- 1. Provide a comprehensive range of transportation options
- 2. Improve access and mobility
- 3. Prioritize maintenance and preservation of the existing system
- 4. Maximize system effectiveness through management and operations
- 5. Improve safety of all transportation modes and facilities
- 6. Promote transportation connections, walkability and mixed use development in activity centers
- 7. Enhance environmental quality, protect human health and improve energy efficiency
- 8. Contribute to the reduction of regional climate change impacts



Provide a Range of Transportation Options

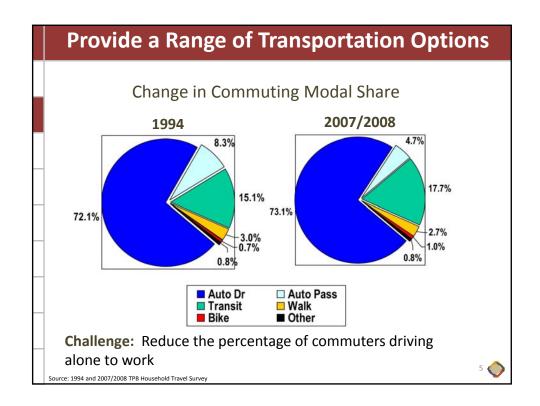
Commute Mode Share, 2009 D.C. region is 3rd lowest for % Drive Alone

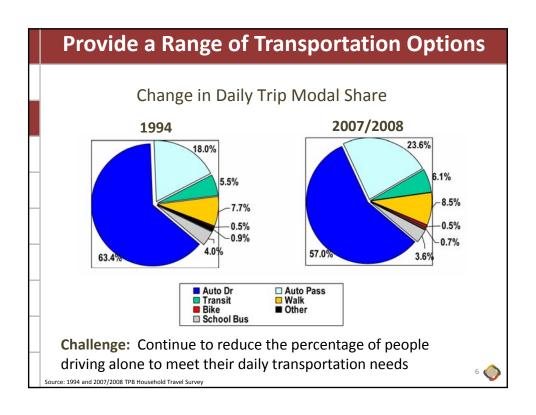
					% Bike	% Work
Matura elitar Statistical Avena	Total	% Drove	%	%	or	at
Metropolitan Statistical Areas	Workers	Alone	Carpool	Iransit	Walk	Home
New York-Northern New Jersey-Long Island, NY-NJ-PA	8,719,316	50.4%	7.4%	30.3%	6.5%	3 7%
NI-INJ-FA	8,719,310	30.470	7.470	30.370	0.570	3.770
Los Angeles-Long Beach-Santa Ana, CA	5,816,255	73.5%	11.4%	6.1%	3.4%	4.4%
Chicago-Naperville-Joliet, IL-IN-WI	4,422,844	70.9%	9.1%	11.5%	3.6%	3.8%
Dallas-Fort Worth-Arlington, TX	2,945,976	80.1%	11.4%	1.6%	1.5%	4.0%
Washington-Arlington-Alexandria, DC-VA-MD-WV	2,795,375	66.2%	11.1%	13.9%	3.5%	4.4%
Philadelphia-Camden-Wilmington, PA-NJ- DE-MD		73.3%	8.9%	0.2%	4.3%	3.5%
DE-IVID	2,751,491	75.5%	0.970	9.270	4.5%	3.3%
San Francisco-Oakland-Fremont, CA	2,056,454	62.3%	10.4%			

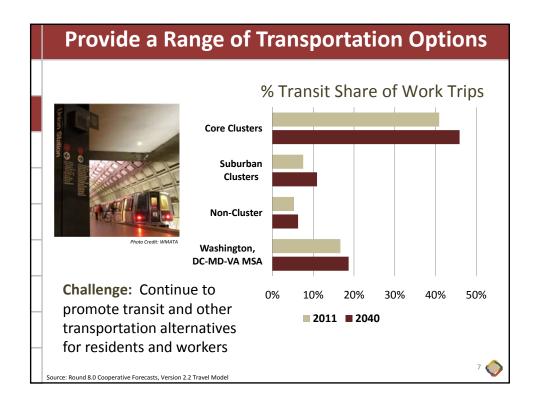
Source: American Community Survey, 2005-2009

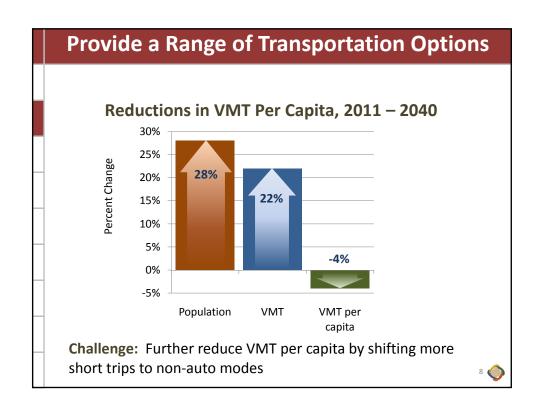
Challenge: Further reduce the percentage of commuters driving alone











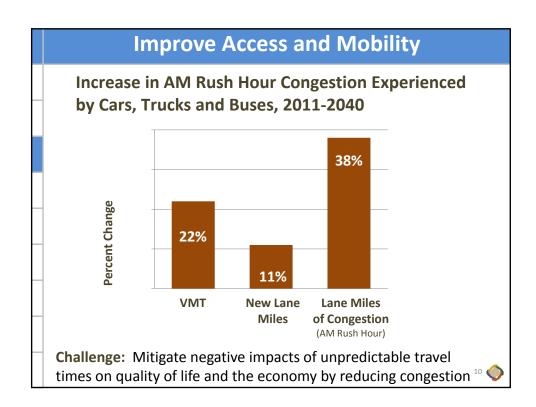
Provide a Range of Transportation Options

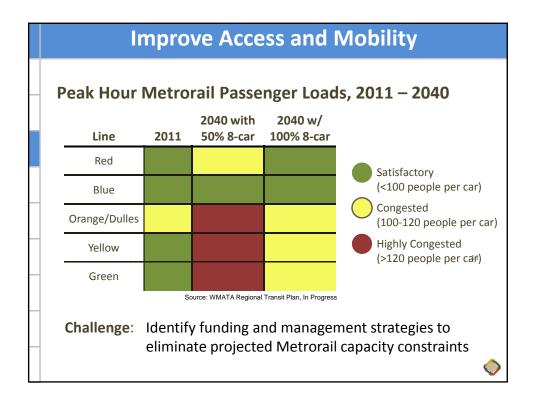
Progress in Implementing the TPB's Bicycle and Pedestrian Plan

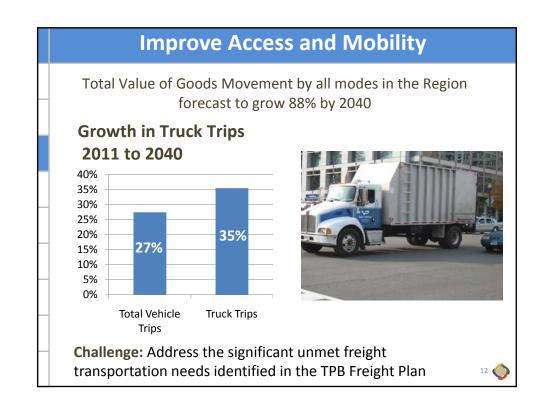
Facility Type (in miles)	Existing Facilities in 2010	Planned New Facilities & Upgrades in 2010 Bike-Ped Plan	Total Planned Network for 2040
Bicycle Lane	91	450	541
Shared-Use Path	543	630	1173
Total	634	1080	1714

Challenge: Accelerate the rate of construction for TPB's Bike and Ped Plan, since at the current rate only 60% of the planned facilities will be built by 2040









Improve Access and Mobility

Access for People with Disabilities

Access to bus, rail and taxis has improved but challenges remain:

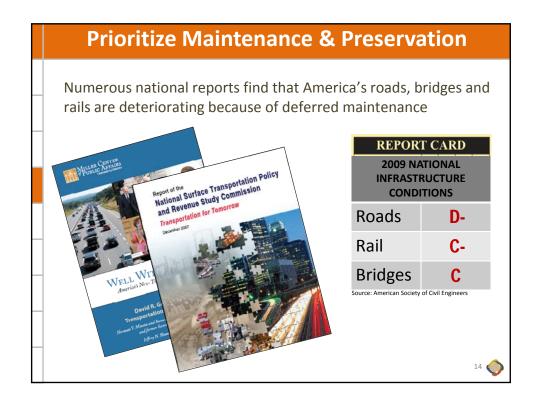
- Reliability of bus lifts and elevators
- Demand and cost of paratransit
- Many bus stops and sidewalks need improvements
 - o About 40 % of the region's 20,000 bus stops are not fully accessible

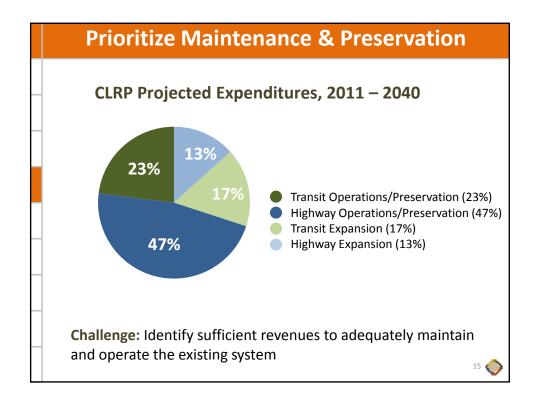


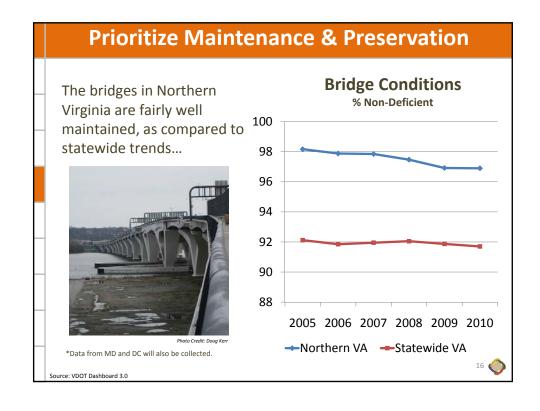
Challenge: Improve reliability, coverage and efficiency of transit services for people with disabilities

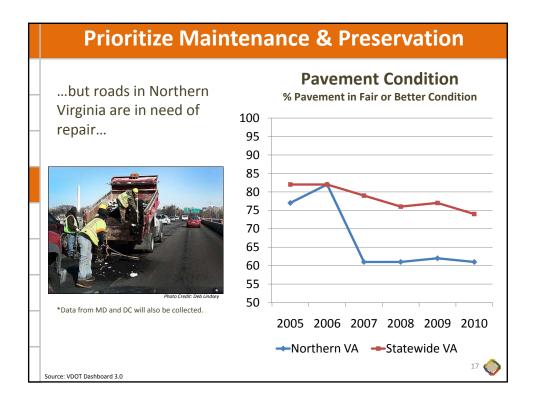
13

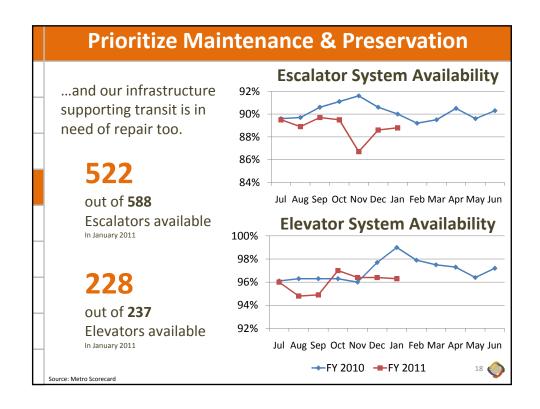




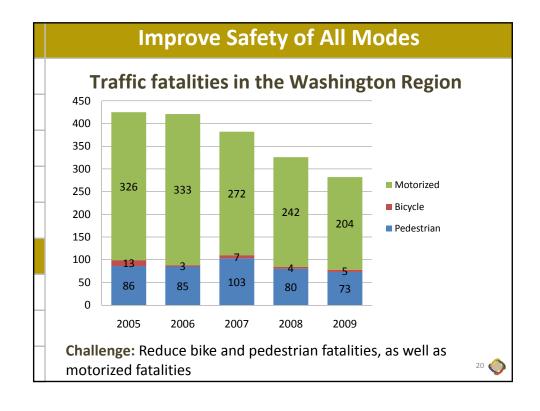


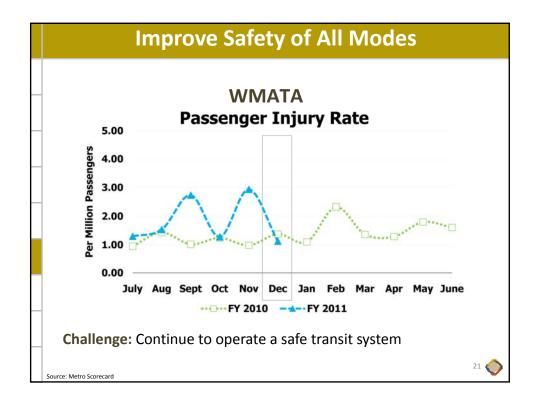




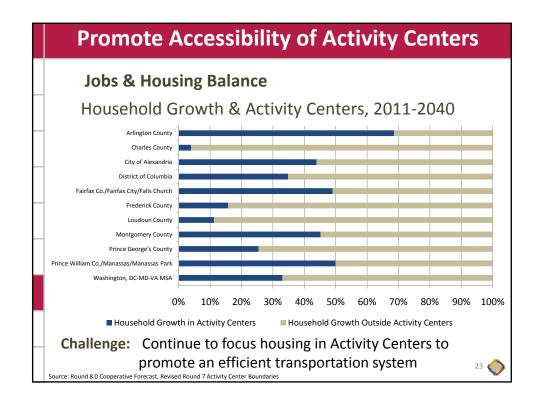


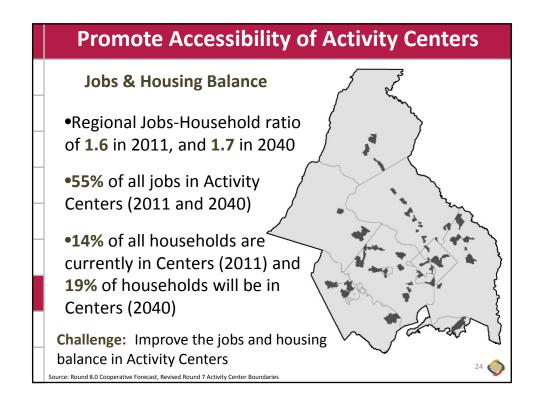
Managing Incidents • Approximately 2,000 incidents with possible regional implications are reported each month • MATOC is involved in 50-60 incidents per month • MATOC benefit-cost ratio = 10:1 Challenge: Dedicate sufficient resources to manage incidents











Promote Accessibility of Activity Centers Jobs & Housing Balance Jobs to Household Ratio in Activity Centers Households 2011 Jobs 2011 to HH Ratio 2011-2040 Ratio Change **Activity Center** DC Core 596,798 718,492 61,284 9.7 84,990 8.5 (1.3) Mixed-Use Centers 342,578 467,970 (0.5) **Employment Centers** 295,681 22,400 13.2 401,778 51,520 7.8 (5.4)482,617 86,057 5.6 737,925 154,578 4.8 (8.0) **Employment Centers** Emerging Employment Centers 85,337 28,375 152,610 67,491 (0.7)All Activity Centers 1,803,010 283,241 6.4 492,601 5.0 2,478,775 (1.3) Challenge: Improve the jobs and housing balance in **Activity Centers** 25 🔵 Source: Round 8.0 Cooperative Forecast, Revised Round 7 Activity Center Boundaries

Promote Accessibility of Activity Center					
	2011	2040			
Regional Activity Centers	59	59			
Metrorail Stations	86	98			
Commuter Rail Stations	52	53			
Regional Activity Centers with Rail Transit	31 with rail 25 Metrorail 15 Commuter Rail	37 with rail 31 Metrorail 15 Commuter Rail			
Regional Activity Centers without Rail Transit	28	22			
Rail Stations Not Located in Regional Activity Centers	73 37 Metrorail 36 Commuter Rail	76 39 Metrorail 37 Commuter Rail			
hallenge: Seek opportunit ransit and Activity Centers	ies for improvin	g the match of r	ail		

Promote Accessibility of Activity Centers

In 2011, most Activity Centers are served by bus transit, and about 2/3 have a high level of access to bus stops.

	within 1/4 mile of a bus stop
Centers with High Bus Stop Coverage (>75% Area)	38 (65%)
Centers with Medium Bus Stop Coverage (50%-75% Area)	9 (15%)
Centers with Low Bus Stop Coverage (<50% Area)	9 (15%)
Centers with No Bus Stop Coverage	3 (5%)
(59 Activity Centers in Total)	

Challenge: Increase bus stop coverage in the Activity Centers





Promote Accessibility of Activity Centers

Higher Street Block Density Means Greater Walkability

(# of blocks per sq. mile)

Street Block Density in Activity Centers

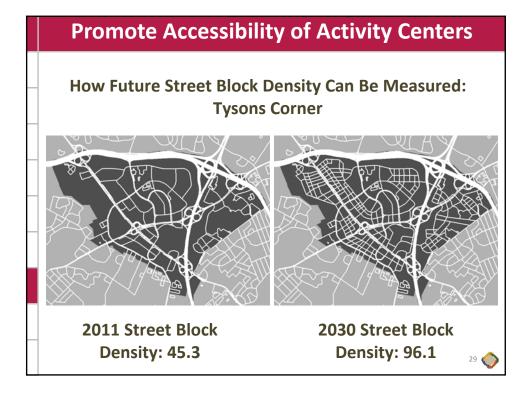
Activity Center Type	Street Block Density
DC Core	131
Mixed-Use Centers	104
Employment Centers	41
Suburban Employment Centers	25
Emerging Employment	16



Within the **2.2 sq miles** of Downtown Alexandria there are 303 blocks, resulting in a street block density of 137.7 blocks per sq mile.

Challenge: Increase walkability in Activity Centers





Promote Accessibility between Activity Centers

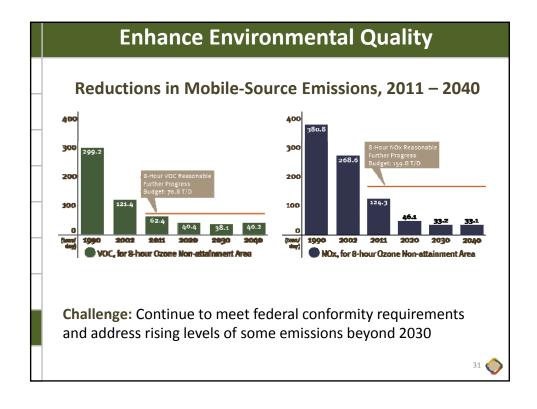
Average number of other Activity Centers accessible within 45 minutes of a given Activity Center by Transit and Highway

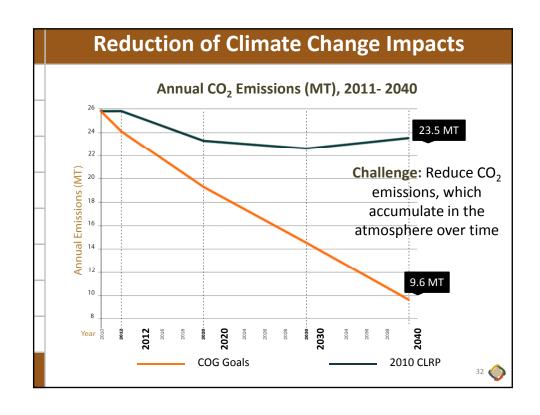
	20	11	20	40	Change	
	HWY	TRN	HWY	TRN	HWY	TRN
DC Core	25	18	21	18	-4	0
Mixed Use	17	14	14	15	-3	1
Employment	14	9	10	9	-4	0
Suburban Emp.	9	4	7	5	-2	1
Emerging Emp.	6	2	4	3	-2	1

Challenge: Increase accessibility to and from Activity Centers

Source: Round 8.0 Cooperative Forecasts, Version 2.2 Travel Model







Next Steps

- Complete performance analysis of the 2010 CLRP
- Measures presented today show key challenges the region is facing
- These challenges should be considered when developing a Priorities Plan
- Priorities Plan "scenarios" can be examined with the same measures





Alternative formats of this document and all meeting materials are available upon request. Contact Rex Hodgson at (202) 962-3275, TDD (202) 962-3213 or rhodgson@mwcog.org and allow 7 days for preparation of the materials.

