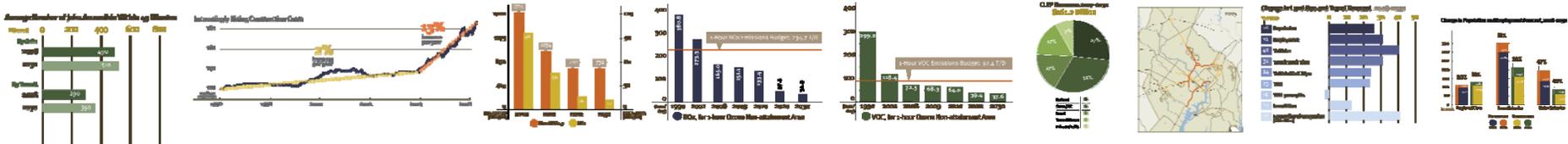


# 2009 CLRP Draft Performance Analysis

for the final CLRP-TIP brochure

November 2009



Rex Hodgson  
Department of Transportation Planning

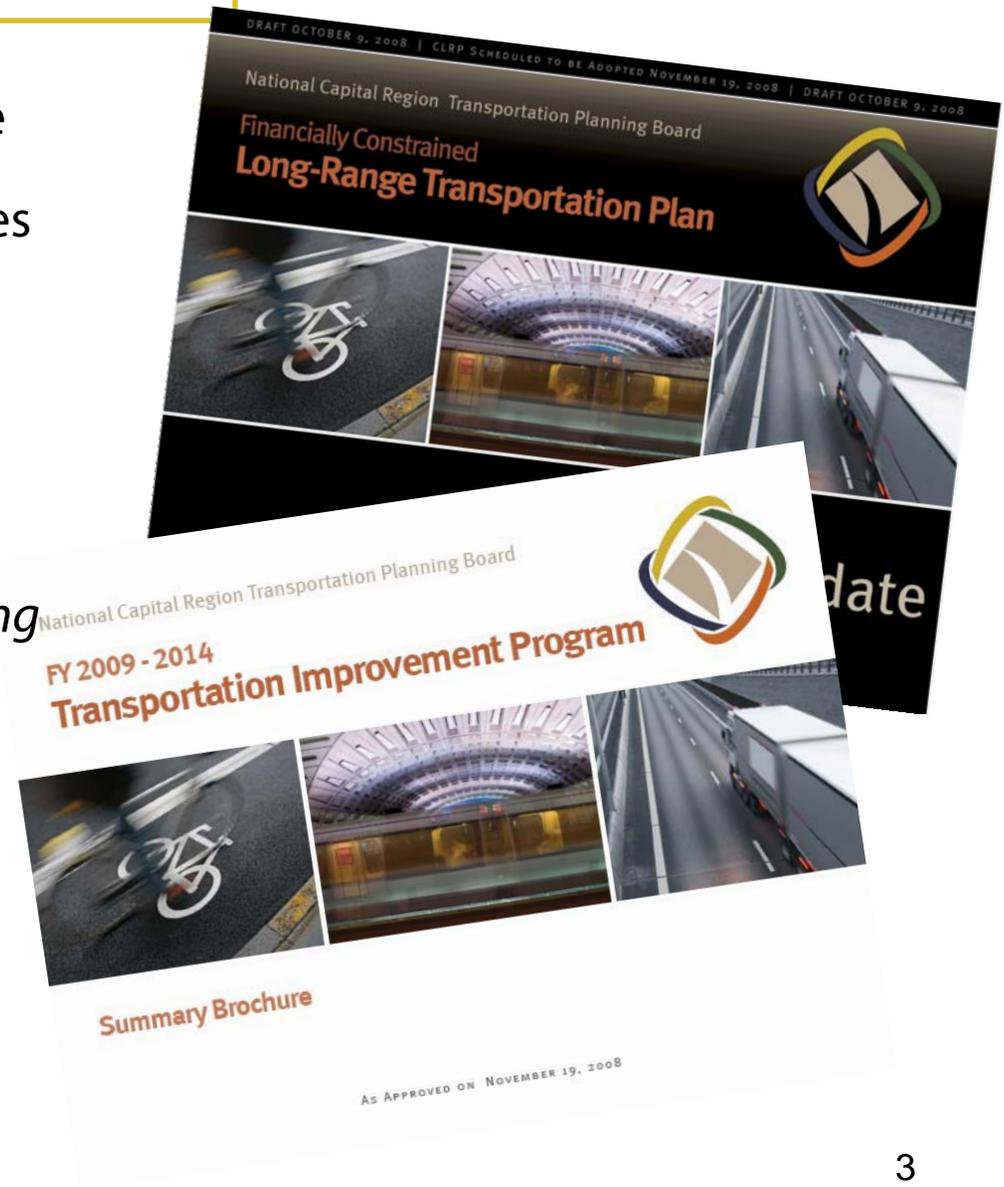
# Basis for the 2009 Final Brochure & Analysis

- Previous CLRP brochures and 2009-2014 TIP brochure
- Same performance measures as 2006, 2007 and 2008 brochure
- New base year: 2010 instead of 2009
- Round 7.2a of the Cooperative Forecast
- Travel Demand Model v2.2

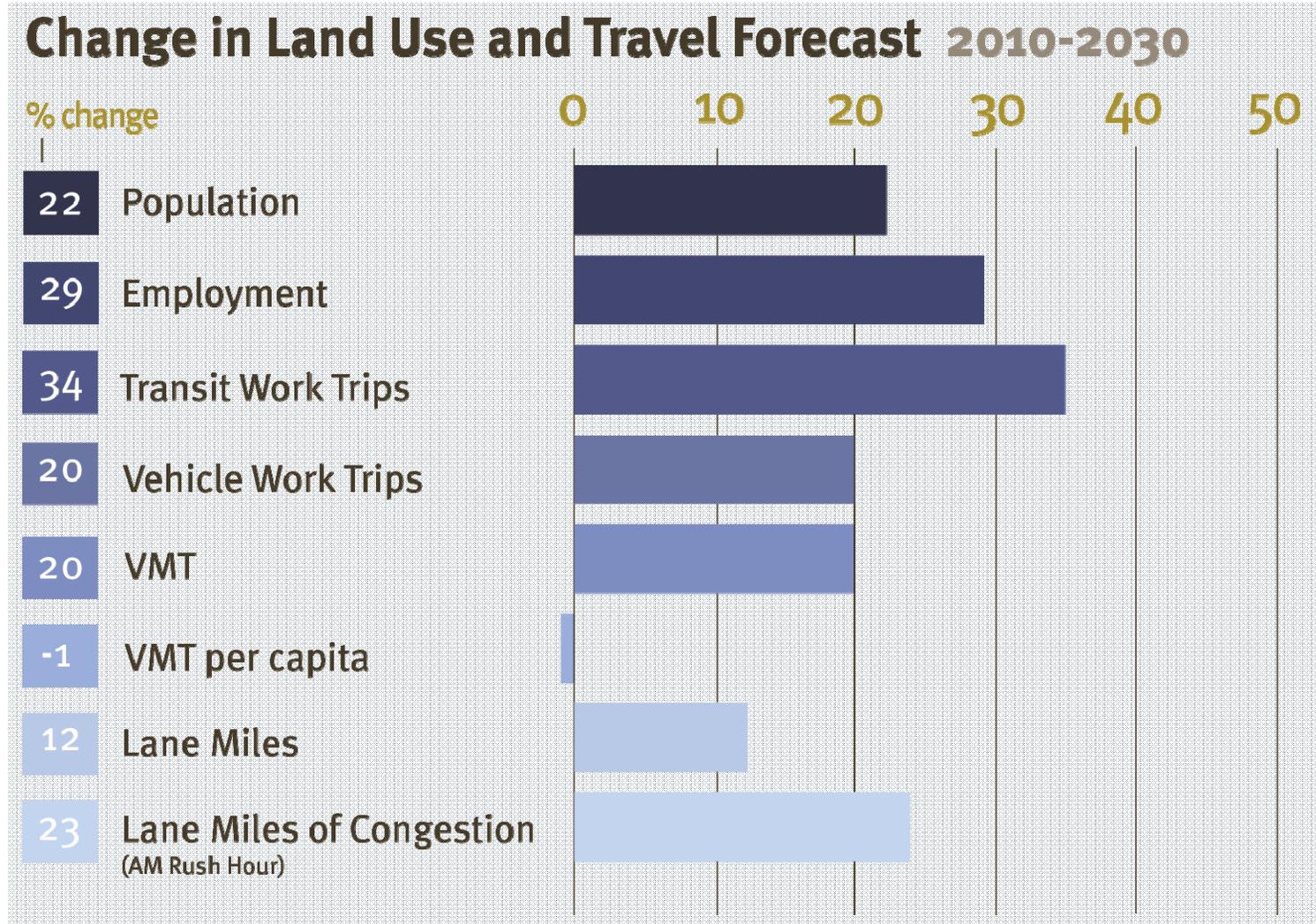


# What's in the Brochure?

- The final brochure will combine the material from last year's separate CLRP and TIP brochures into one document
- Overview of TPB Vision and federal requirements
- Overview of the transportation planning process
- New projects and significant changes added in 2009, *including the recent CLRP amendments*
- Highway, transit, bicycle and pedestrian projects and studies
- Selected project details
- Financial summary
- **Plan performance**
- Public involvement



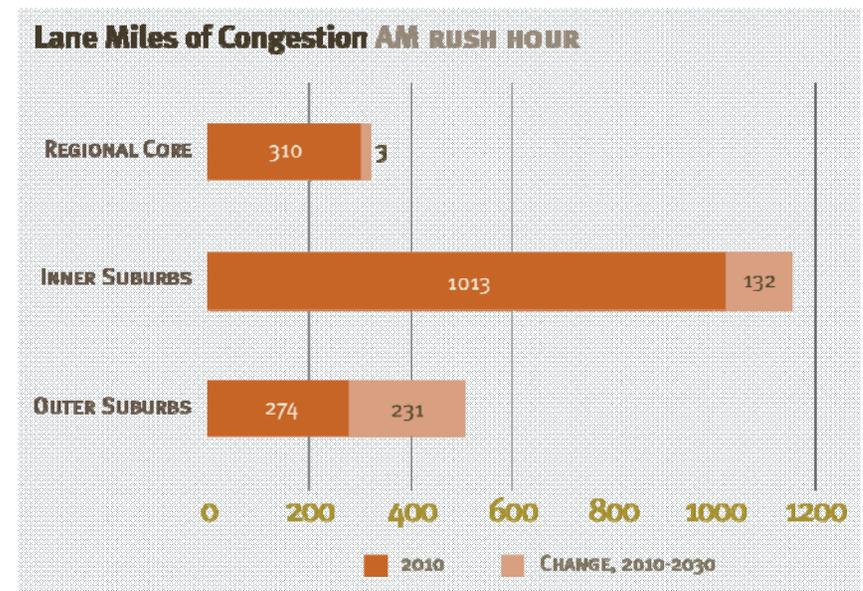
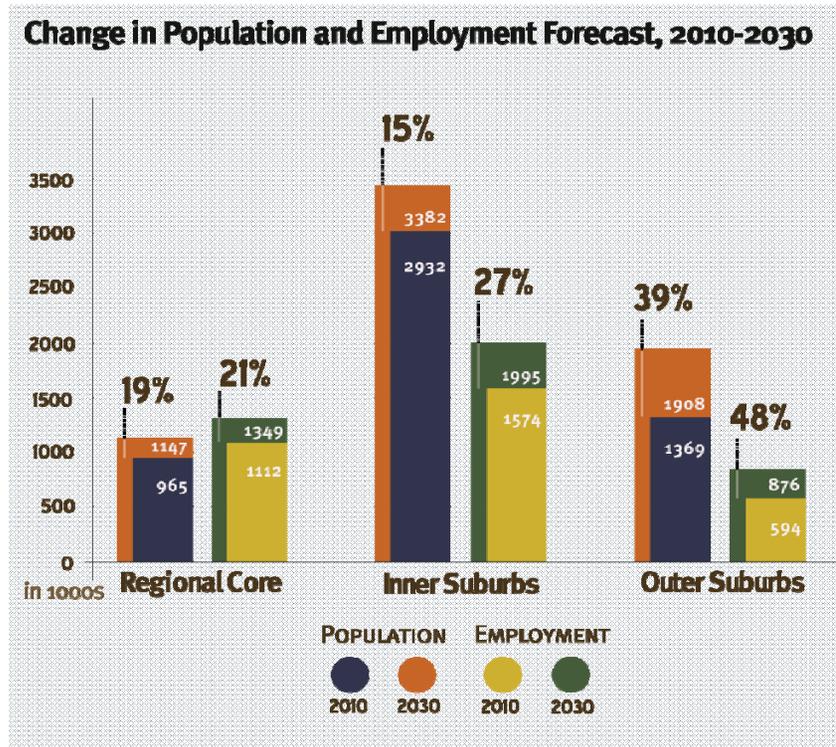
# Growth and Travel Demand



# Where is it all happening?

The region as a whole is growing steadily...

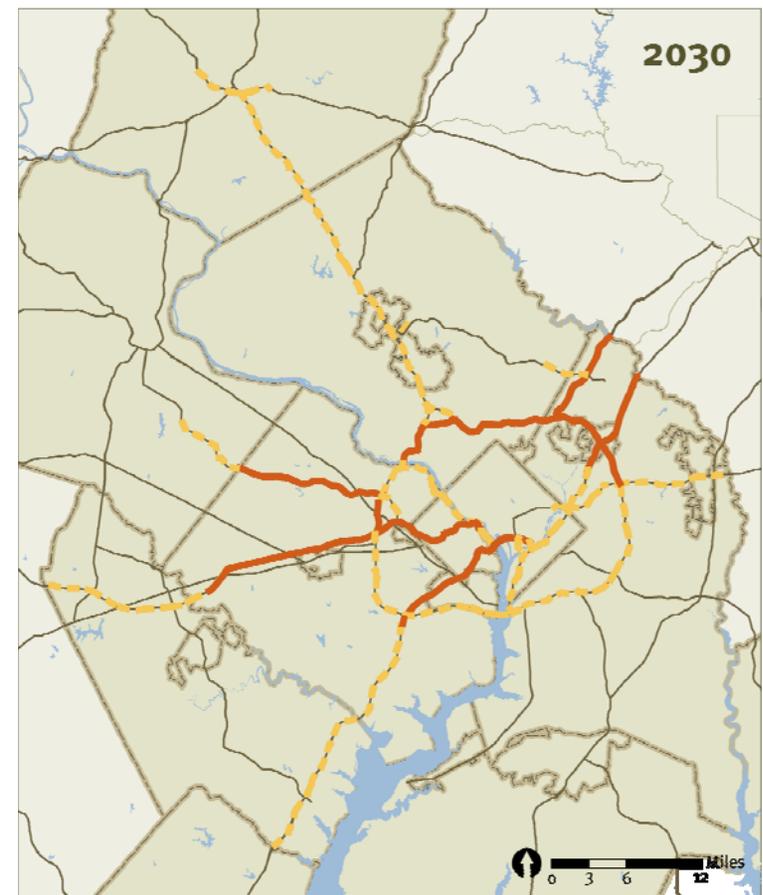
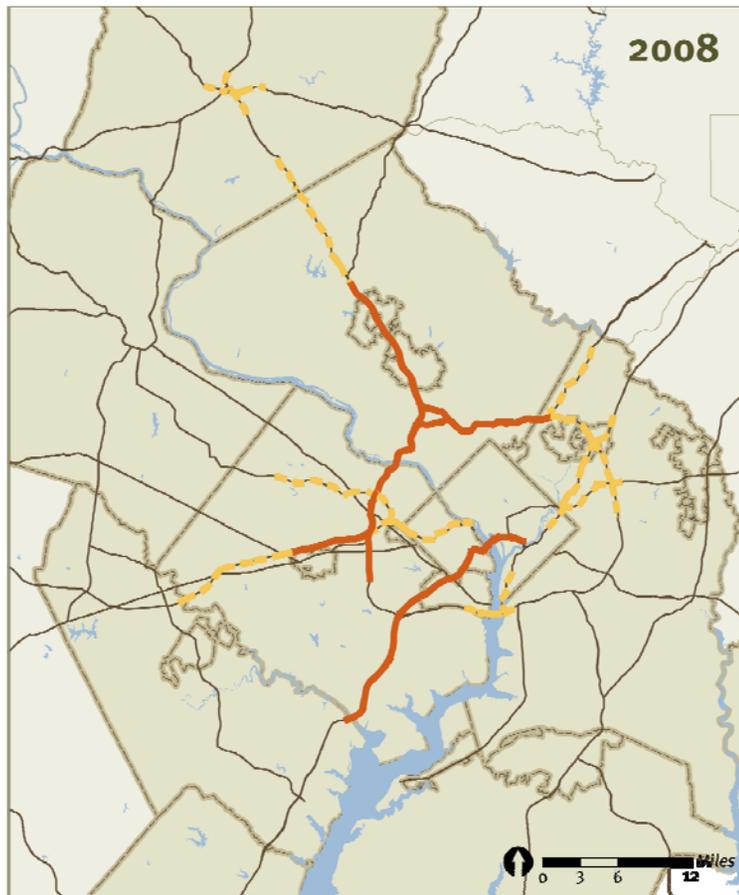
...but growth is much faster in the outer jurisdictions



# Regional Congestion

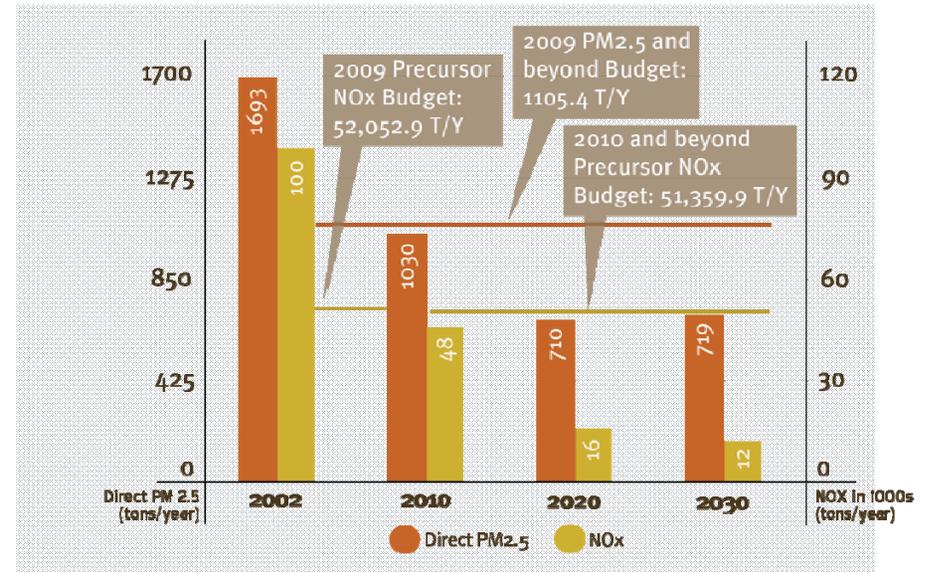
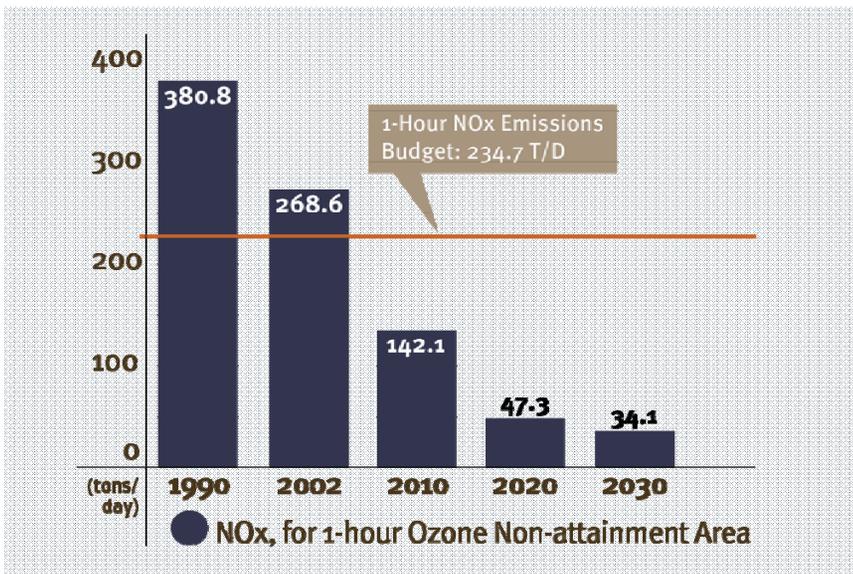
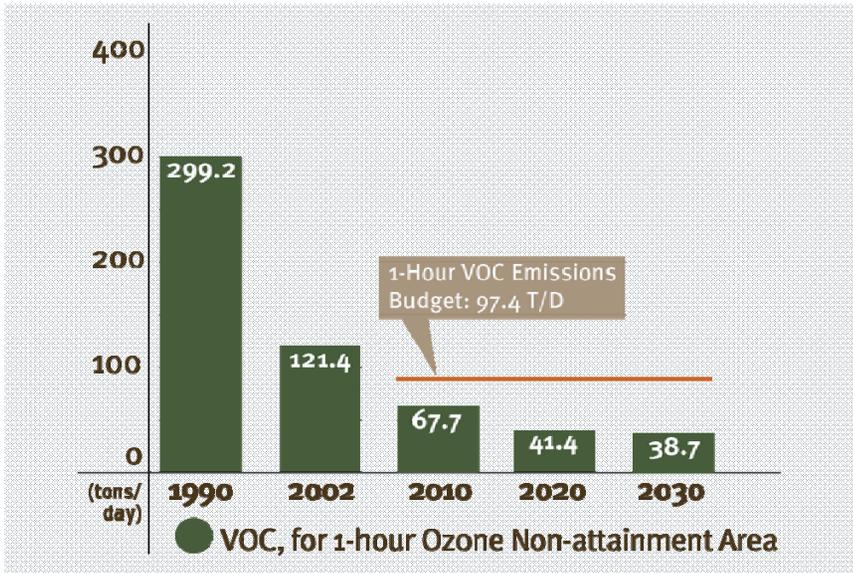
Worsening, but few areas of improvement, such as I-95 South of the Beltway

- Congested Flow  
[average speed 30-50 mph]
- Stop and Go Conditions  
[average speed <30 mph]



# Air Quality

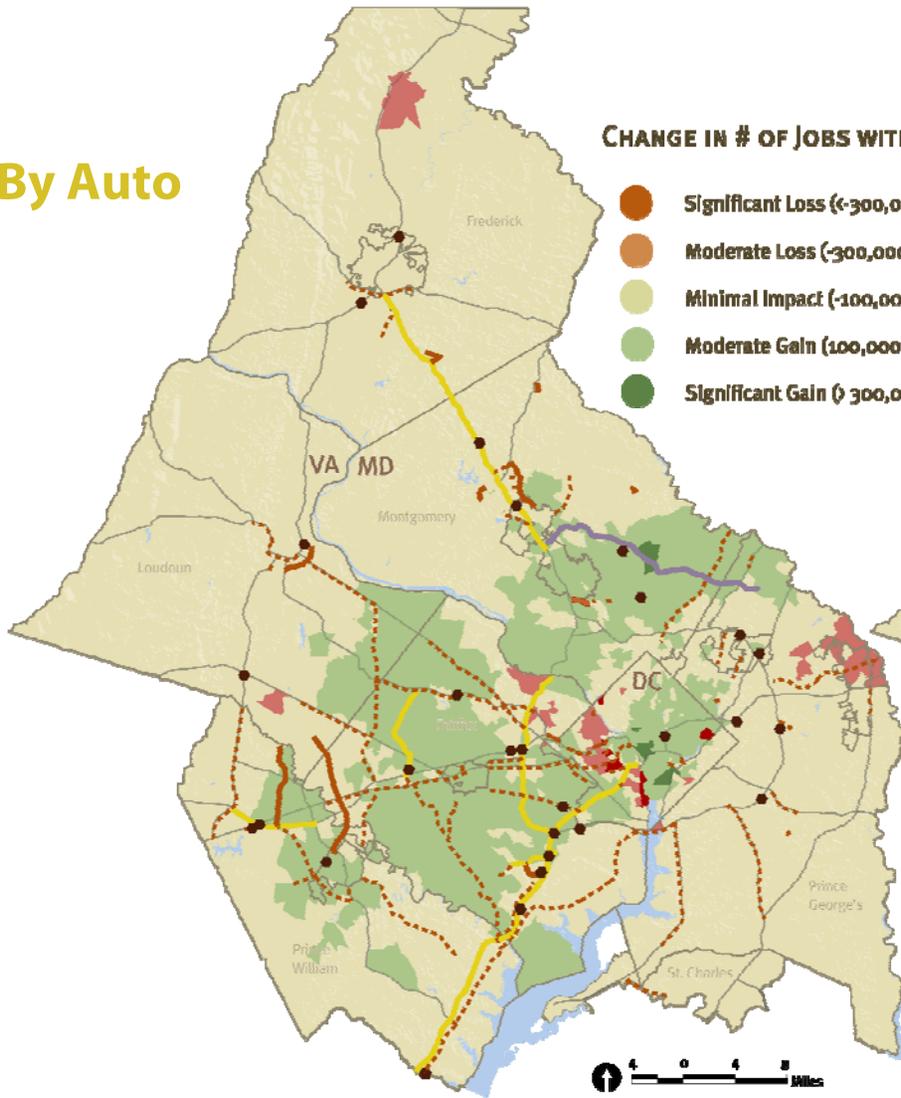
General improvement in emissions currently analyzed for conformity



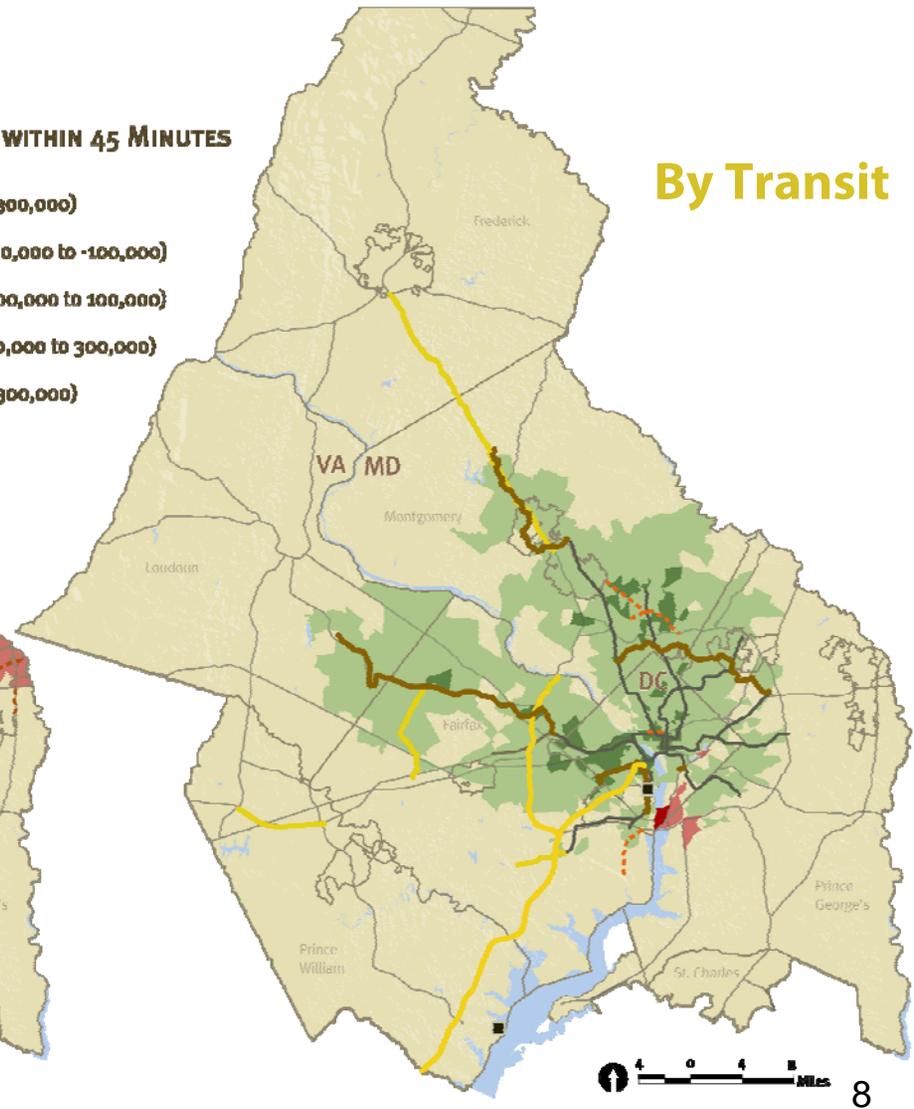
# Accessibility

Average accessibility is rising overall

By Auto

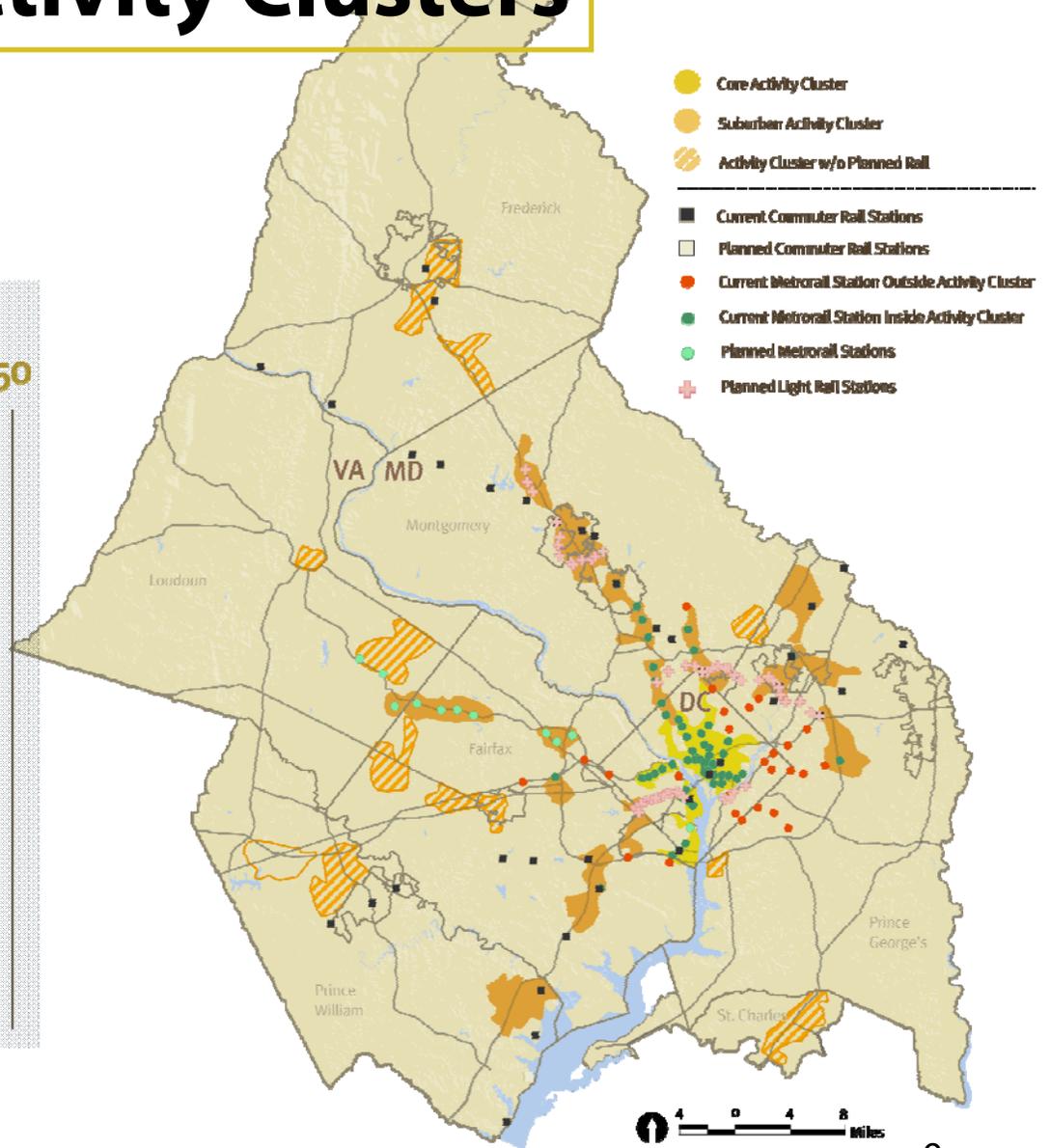
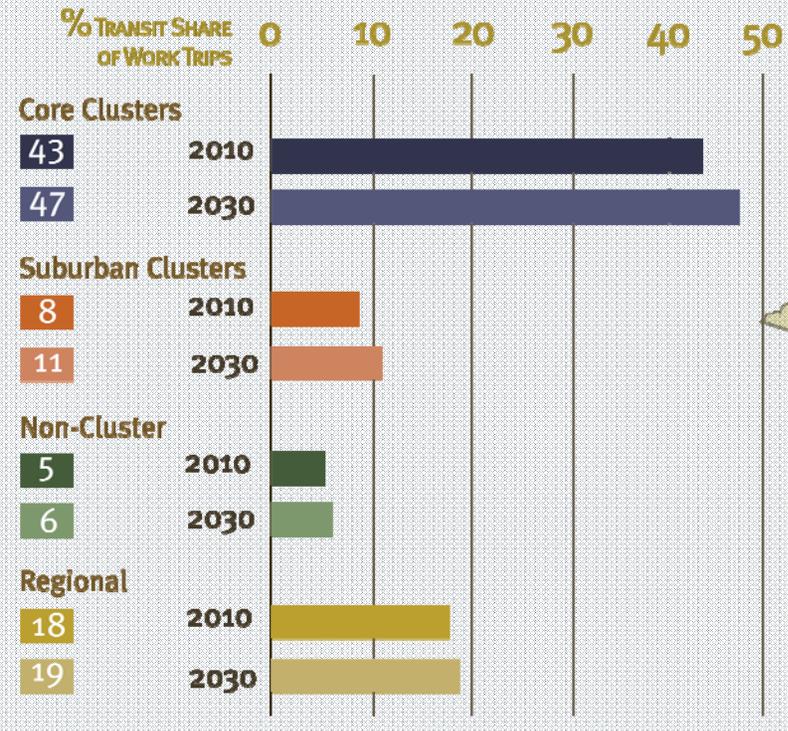


By Transit



# Support of the Activity Clusters

## Getting to Work with Transit



# Comments and Review

Please provide any corrections to the content in the brochure to Rex Hodgson ([rhodgson@mwkog.org](mailto:rhodgson@mwkog.org)) by Friday, November 13<sup>th</sup>

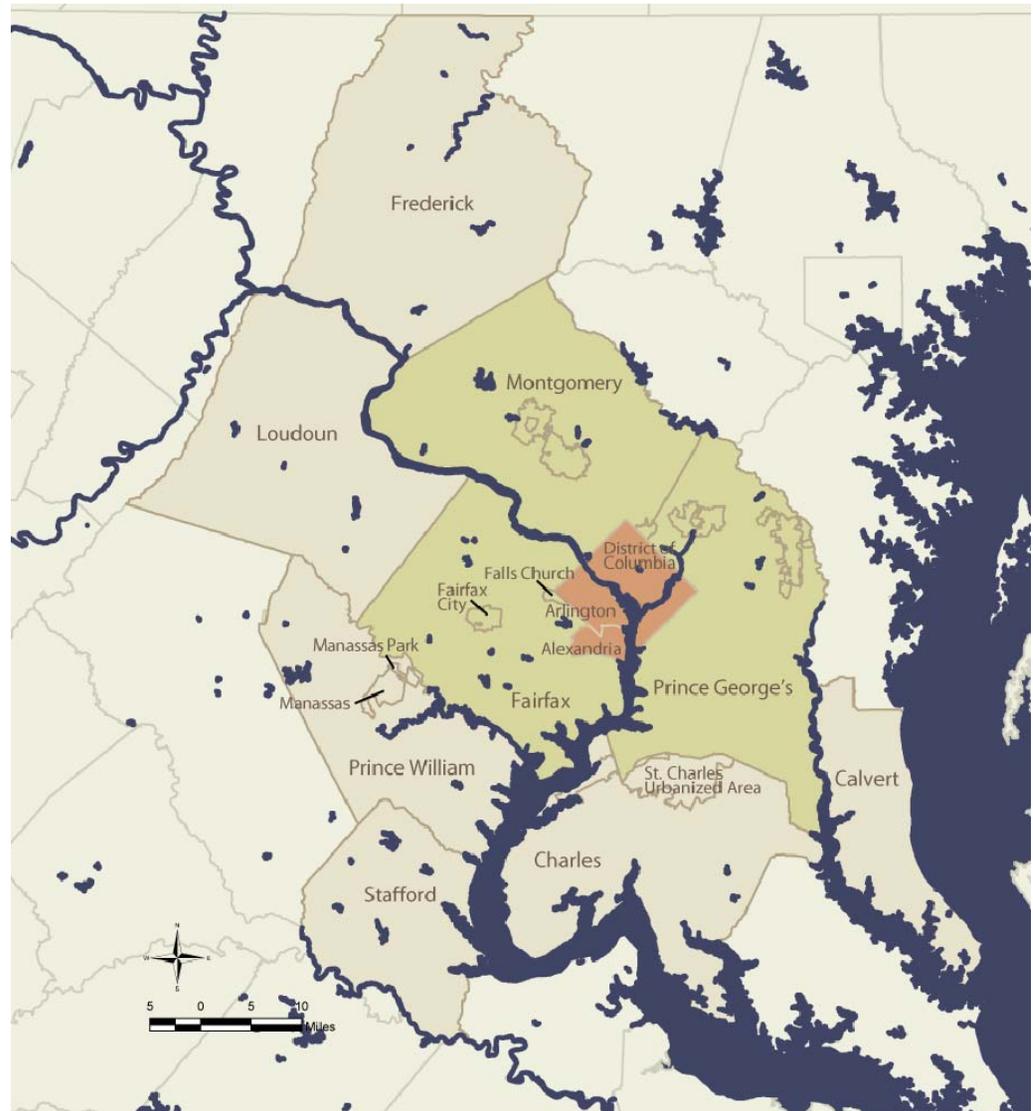
A full color version of this presentation is available online under TPB Technical Committee meeting documents:

[http://www.mwkog.org/transportation/committee/committee/documents.asp?COMMITTEE\\_ID=16](http://www.mwkog.org/transportation/committee/committee/documents.asp?COMMITTEE_ID=16)

Analysis of performance data for the 2009 CLRP was preformed for jurisdictions in the MSA.

**Jurisdictions in the MSA  
(as defined in 1983)**

- Regional Core:** District of Columbia; Arlington County and the City of Alexandria in Virginia
- Inner Suburbs:** Montgomery and Prince George's Counties in Maryland; Fairfax County and the Cities of Fairfax and Falls Church in Virginia
- Outer Suburbs:** Loudoun, Prince William and Stafford Counties in Virginia, Frederick, Calvert and Charles Counties in Maryland



TRAVEL DEMAND FORECASTS FOR THE MSA\*  
2009 CLRP

|  | 2010        | 2020        | 2030        | Absolute Change<br>2010-2030 | Percent Change<br>2010-2030 |
|--|-------------|-------------|-------------|------------------------------|-----------------------------|
| <b>Demographics</b>                          |             |             |             |                              |                             |
| Population                                   | 5,266,074   | 5,929,209   | 6,437,186   | 1,171,112                    | 22%                         |
| Employment                                   | 3,279,191   | 3,798,294   | 4,219,715   | 940,524                      | 29%                         |
| <b>Forecast Daily Travel</b>                 |             |             |             |                              |                             |
| Truck Trips                                  | 435,986     | 503,133     | 557,080     | 121,094                      | 28%                         |
| Total Vehicle Trips                          | 17,645,431  | 19,778,517  | 21,548,797  | 3,903,366                    | 22%                         |
| Total Daily VMT                              | 121,544,401 | 136,276,980 | 146,420,562 | 24,876,161                   | 20%                         |
| Total Daily VMT Per Capita                   | 23.08       | 22.98       | 22.75       | -0.33                        | -1%                         |
| Lane-Miles of Roadway                        | 15,502      | 16,979      | 17,307      | 1,805                        | 12%                         |
| <b>Forecast Work Travel</b>                  |             |             |             |                              |                             |
| All Person Work Trips                        | 3,867,899   | 4,370,098   | 4,720,397   | 852,498                      | 22%                         |
| Auto Person Trips                            | 3,227,167   | 3,576,103   | 3,859,668   | 632,501                      | 20%                         |
| Auto Driver Trips                            | 2,855,429   | 3,134,041   | 3,375,372   | 519,943                      | 18%                         |
| Auto Passenger Trips                         | 371,738     | 442,062     | 484,296     | 112,558                      | 30%                         |
| Vehicle Trips on HOV Facilities              | 31,394      | 40,319      | 47,540      | 16,146                       | 51%                         |
| Average Auto Occupancy*                      | 1.13        | 1.14        | 1.14        | 0.01                         | 1%                          |
| Transit Work Trips                           | 640,732     | 793,995     | 860,729     | 219,997                      | 34%                         |
| Transit Share of Work Trips                  | 16.57%      | 18.17%      | 18.23%      | 1.67%                        | 10.1%                       |
| Transit Share of Work Trips in District Core | 77.1        | 80          | 80.5        | 3.40                         | 4.4%                        |
| Unconstrained Transit Work Trips             | 623,197     | 774,741     | 868,359     | 245,162                      | 39%                         |
| Unconstrained Transit Share of Work Trips    | 16.11%      | 17.73%      | 18.40%      | 2.28%                        | 14%                         |

\* The Metropolitan Statistical Area (MSA) as defined in 1983  
Round 7.2a Cooperative Forecast Data  
Travel Demand Model Version 2.2