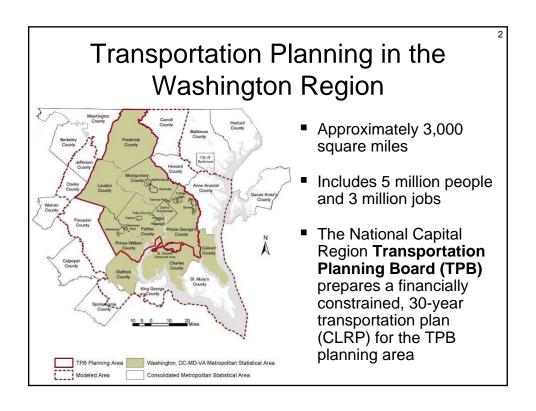
Bus Rapid Transit for the Metropolitan Washington Region:

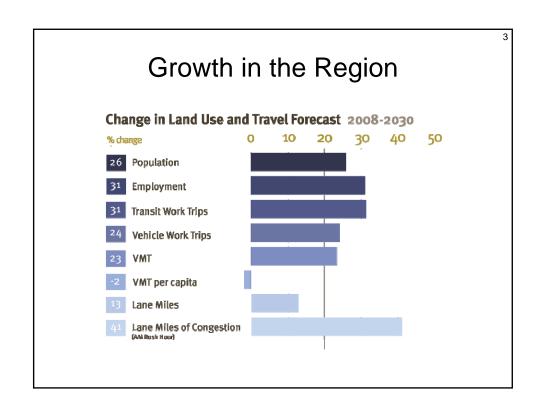
A Key Component of the TPB Scenario Study

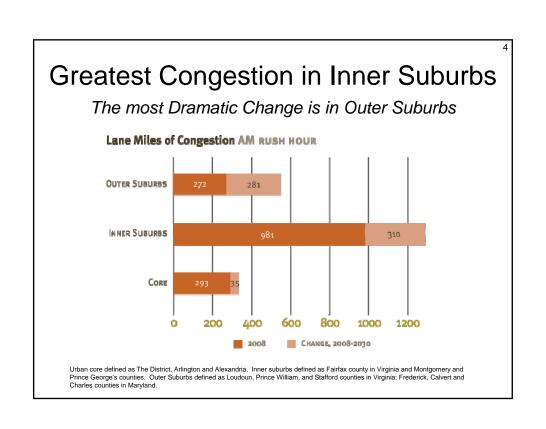
Ronald F. Kirby
Director of Transportation Planning
National Capital Region Transportation Planning Board (TPB)

Presentation to the Virginia General Assembly SJ 122 Committee

October 22, 2008



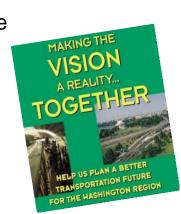




Working to Address These Challenges

Among other strategies, the TPB has sought to investigate scenarios that might better meet the objectives of its 1998 Vision:

- Promoting activity centers
- Increasing transit use
- Reducing driving



6

TPB Regional Mobility and Accessibility Study, 2001-2006

5 Scenarios to address the issues:

- 1. More Households Scenario
- 2. Households In Scenario
- 3. Jobs Out Scenario
- 4. Region Undivided Scenario
- 5. Transit-Oriented Development Scenario

TPB Value Pricing Study

October 2006-February 2008

3 Scenarios of Variably Priced Lanes (VPLs) looking at:

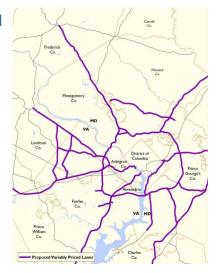
All Freeways

Arterials outside Beltway

Convert existing HOV lanes

Direct access ramps at key interchanges

Add high quality bus transit to VPLs



Two New Scenarios: 2008 - 2009

What Would it Take?

Starts with CO2 goals (80% below 2005 levels in 2050 and 20% reduction by 2020) and assess what scales and combinations of interventions will be necessary to achieve the goal.

CLRP Aspirations

Draws on past scenarios (5 transportation/land use scenarios and 2 value pricing scenarios) to provide an ambitious yet attainable vision of land use and transportation for the 2010 CLRP update.

8

Reducing Mobile GHG Emissions

3 categories of strategies to reduce mobile CO2 emissions

Fuel Efficiency

Beyond CAFE standards [currently 35 mpg by 2020]

Fuel Carbon Intensity

Alternative fuels (biofuels, hydrogen, electricity)

Vehicle technology (hybrid engine technology)

Travel Efficiency

Reduce VMT through changes in land use, travel behavior, prices

Reduce congestion

Improve operational efficiency

CLRP Aspirations Scenario

What Would it Take?

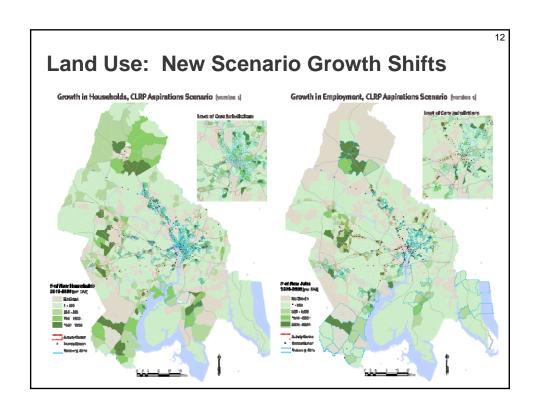
Starts with CO2 goals (80% below 2005 levels in 2050 and 20% reduction by 2020) and assess what scales and combinations of interventions will be necessary to achieve the goal.

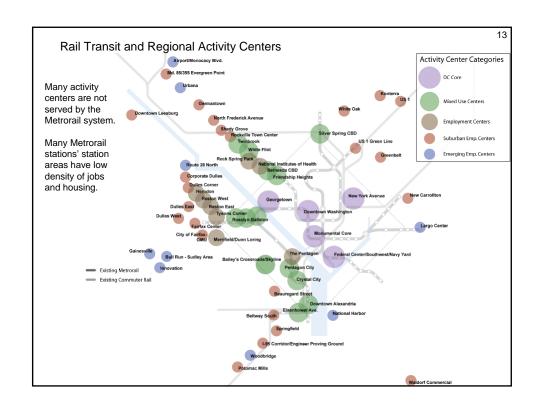
CLRP Aspirations

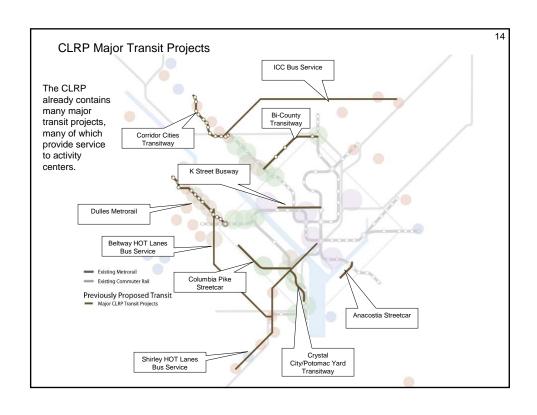
Draws on past scenarios (5 transportation/land use scenarios and 2 value pricing scenarios) to provide an ambitious yet attainable vision of land use and transportation for the 2010 CLRP update.

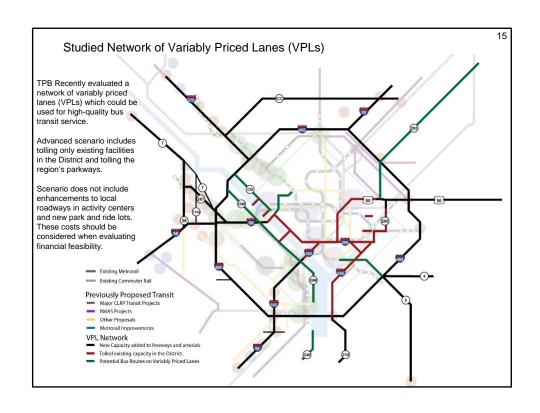
10

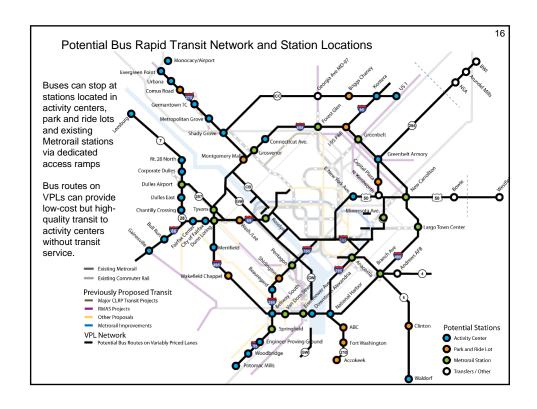
CLRP Aspirations Scenario Goal: To move jobs and housing closer together to create dense, accessible areas, and more efficient transportation systems **Pricing Land Use Supportive** Transit **Options** Component Address congestion • First cut using Use menu of transit through pricing of new previous scenarios options from past and/or existing lanes to determine what scenarios receiving zones can Provide alternatives Connect activity absorb through enhanced centers transit Seek review and •Work with TPB Bus refinement by Subcommittee planning directors











Bus Service on Variably Priced Lanes

- Previous pricing study evaluated regular and express bus service operating on the variably priced lanes
- CLRP Aspirations Scenario to include BRT-like bus stations and technologies at highdemand locations





The Shirlington Transit Station, Arlington, VA.

