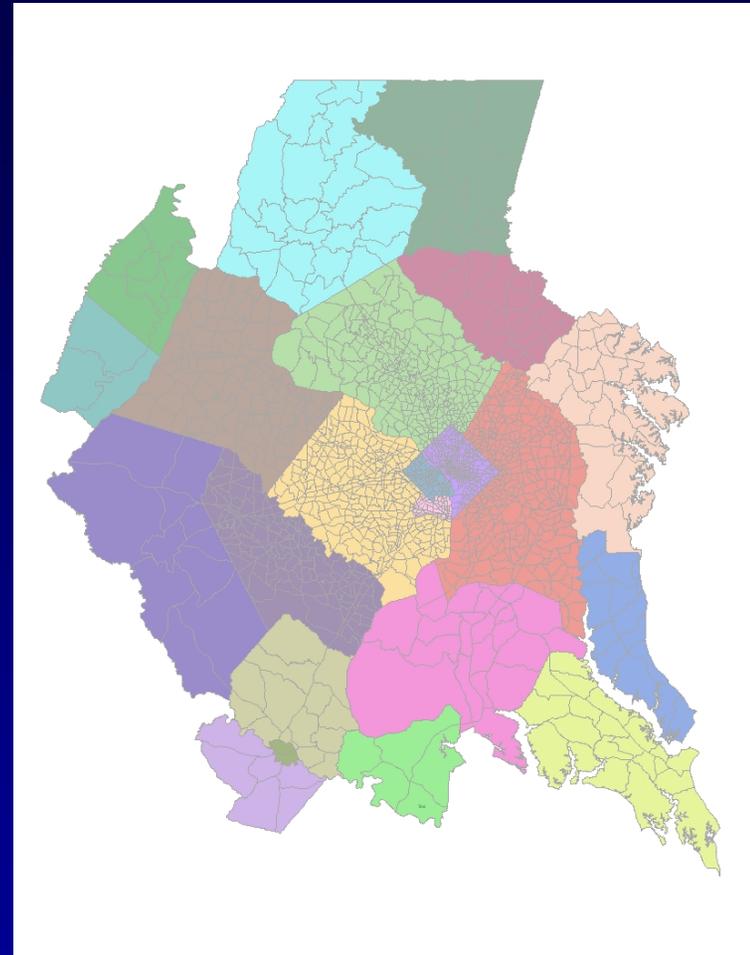


**COG/TPB
Transportation
Analysis Zone
(TAZ)
Update Project:
Status Report**



Charlene Howard

Presentation to the
Cooperative Forecasting and Data Subcommittee
1st April 2008

Presentation overview

- History of the project
- Project objectives
- Project methodology
- Examples
 - Prince William County, VA
 - Arlington County, VA
 - Prince George's County, MD
- Status report by jurisdiction
- Next steps

A brief history of the project

- Reason- to replace the 2191 COG/TPB zone system in place since 1995
- First-cut, very rough draft of new TAZ polygons completed June 2007
- Final draft of new TAZ polygons to be completed by June 2008

A brief overview of objectives

- Key objective- balance the needs of transportation (network model and modelers) and planning (cooperative forecasting)
- Rough estimate- to double the current number of zones currently used; may vary by jurisdiction
- Smaller zones around activity centers, transit, areas of increased or planned development
- Strive for uniformity in zone size throughout the COG/TPB Modeled Region ,taking into account development patterns (present and future)
- Design a new zone structure that will be usable and meaningful until the next TAZ update (10-15 years historically)

A brief overview of methodology

- Starting point- current zone structure of the local jurisdictions
 - Local TAZ's smaller, address local patterns more accurately
 - Incorporate these local TAZ's as much as possible, but within a regional context
 - Create new COG/TPB TAZ's from these local zones
- Reference data:
 - TPB Master Network, including current and future transit locations (i.e. the 'Stops' file)
 - Regional Activity Centers (to be able to provide forecasts at the Activity Center level)
 - Regional street centerlines, local centerlines (non-COG) members
 - Other datasets as necessary (i.e. Census polygons, COG Cooperative Forecast data, etc.)
- County boundary file
 - Provides uniformity between jurisdictions
 - COG staff do not have to make judgment on 'correct' boundary

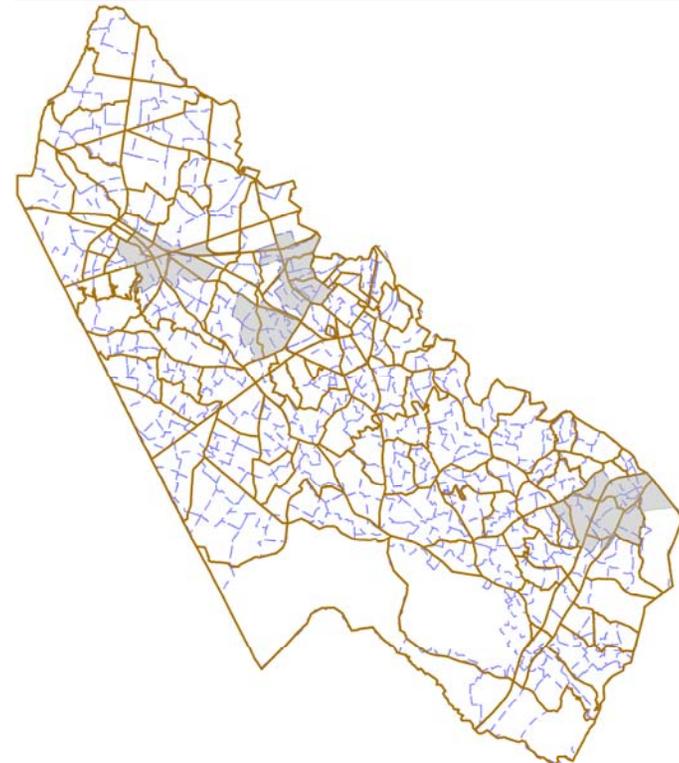
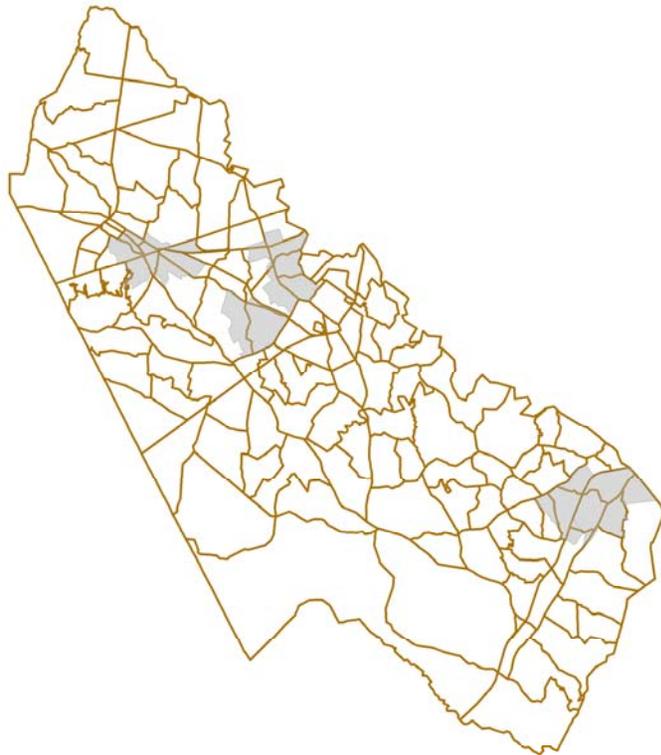
Example #1: Prince William County, VA

- Currently, there are 142 COG/TPB TAZ's for Prince William County
- Prince William County has a 677 zone system
- Proposed COG/TPB TAZ's = 367

Example #1, continued

Prince William County, VA

The COG Regional Activity Centers and the Prince William County 677 local zone system were used as a starting point for updating the COG/TPB TAZ system.



Prince William County TAZ

- Prince William County TAZ's (677)
- Current COG TAZ's (142)
- Regional Activity Centers

Example #1, continued

Prince William County, VA



The new proposed number of COG/TPB TAZ's for Prince William County is 367 zones. This is an increase of 225 zones.

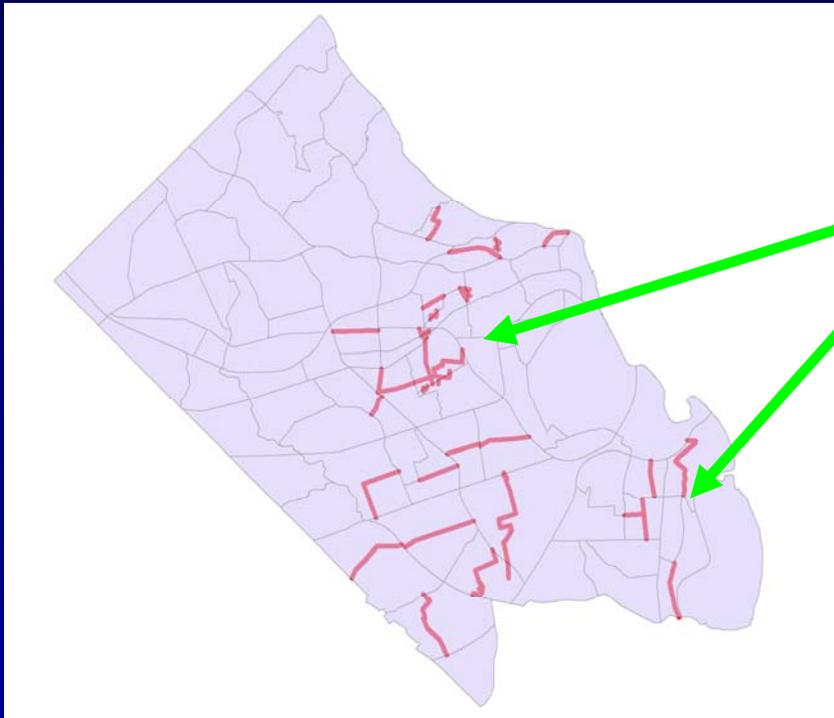
Example #2: Arlington County, VA

- Currently, there are 82 COG/TPB TAZ's for Arlington County
- Arlington County has an 82 zone system
- Proposed COG/TPB TAZ's = 108

Example #2, continued

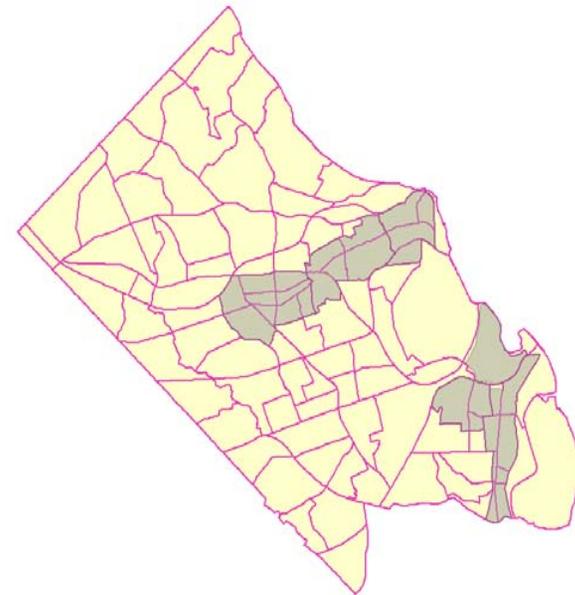
Arlington County, VA

82
current
TAZ, both
COG/TPB
and
Arlington
County



Incorporate splits of
existing zones provided by
Arlington County; alignment
with COG Regional Activity
Centers where possible

Proposed: 108
COG/TPB TAZ for
Arlington County.
This is an increase of
24 zones.

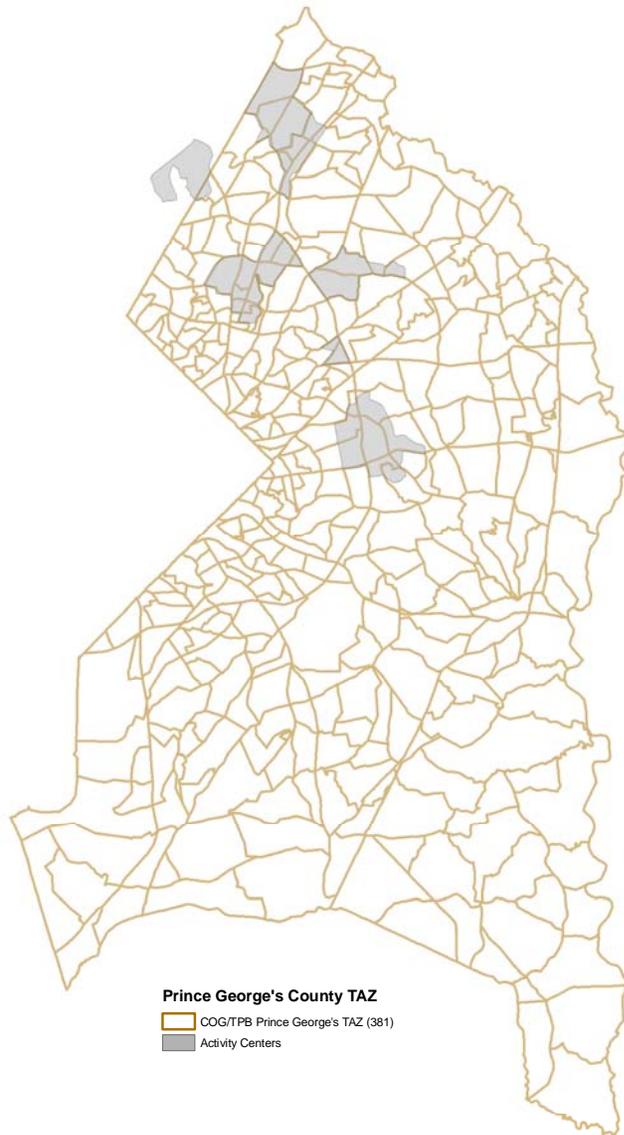


Example #3: Prince George's County, MD

- Currently, there are 381 COG/TPB TAZ's for Prince George's County
- Prince George's County has a 883 zone system for transportation planning purposes
- Proposed COG/TPB TAZ's = 634

Example #3, continued

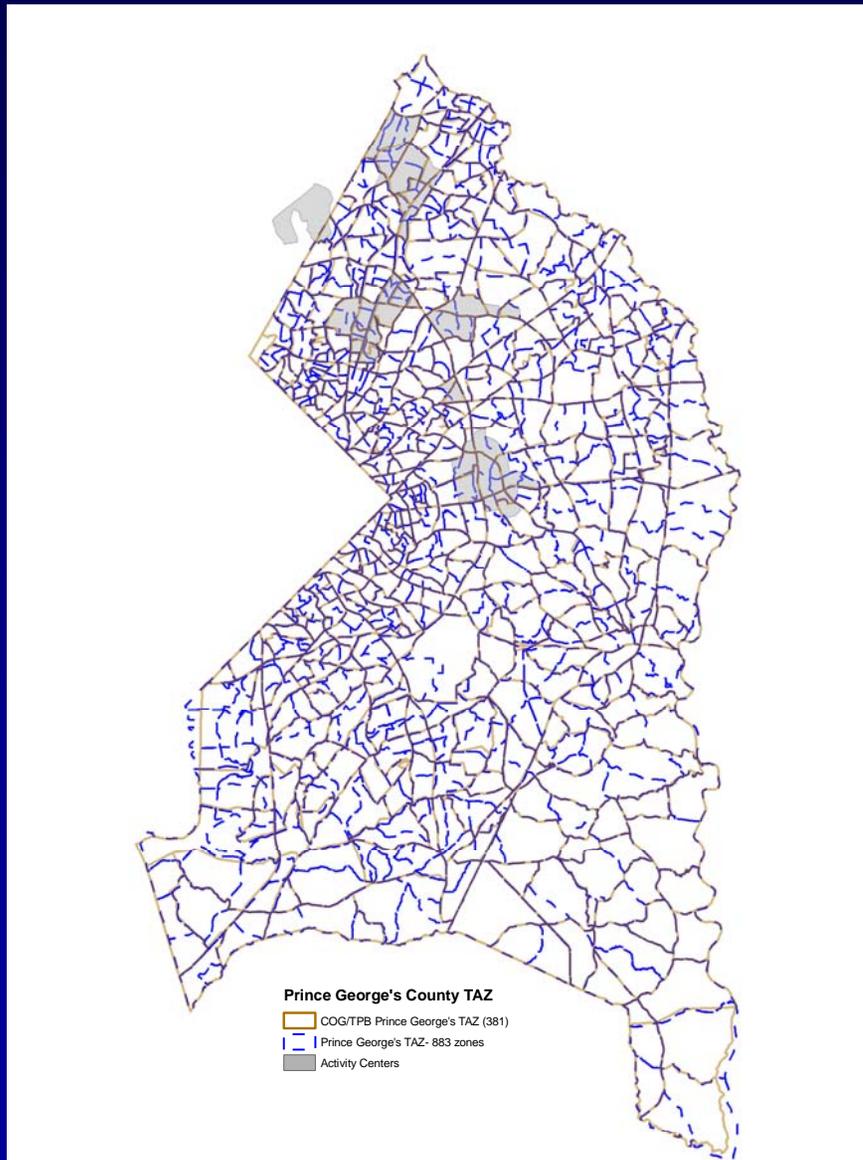
Prince George's County, MD



- The current COG/TPB TAZ system for Prince George's County has 381 zones
 - Smaller zones inside the Beltway
 - Larger zone sizes outside the Beltway

Example #3, continued

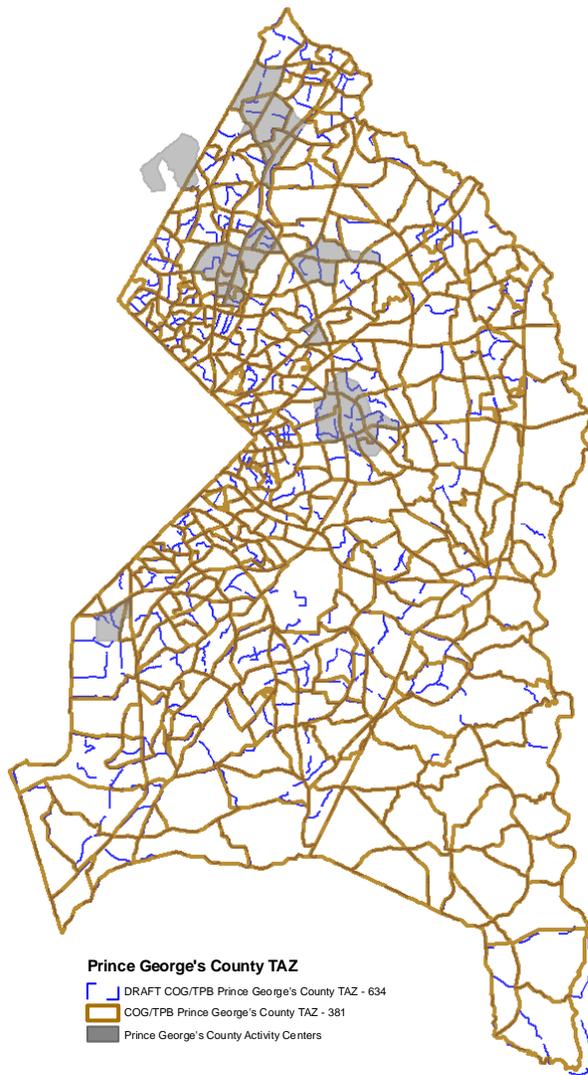
Prince George's County, MD



- Prince George's County has a 883 local TAZ system, used by the county's Transportation Planning staff
- Prince George's County Land Use Planning staff currently prepares Cooperative Forecasting data for 380 zones
- Prince George's County Transportation Planning staff allocates Cooperative Forecasting data to 883 zones based on TAZ acreage
- Prince George's County has 8 COG Regional Activity Centers

Example #3, continued

Prince George's County, MD



- The COG Regional Activity Centers and the Prince George's County 883 local zone system were used as a starting point for updating the COG/TPB TAZ system
- The proposed, draft number of COG/TPB TAZ's for Prince George's County is currently 634
- This is an increase of 254 zones for the county

Status report by jurisdiction

COG Member jurisdictions	Name	Status	Remarks
	District of Columbia	Preliminary meeting held	Working within DC's schedule for addressing TAZ updates
	Montgomery County, MD (including Gaithersburg, Rockville, Takoma Park)	County staff performing internal updates	Awaiting new updates from county; meeting TBD
	Prince Georges County, MD (including Bladensburg, Bowie, College Park, Greenbelt)	Updated draft TAZ's sent	Currently under review by county
	Arlington County, VA	Updated draft TAZ's sent	Pending final approval from county
	City of Alexandria, VA	Meeting dates to be scheduled	Next up on schedule
	Fairfax County, VA (including Falls Church and City of Fairfax)	Meeting dates to be scheduled	Next up on schedule
	Loudoun County, VA	Preliminary meeting held in late 2006	Next meeting date TBD
	Prince William County, VA (including Manassas and Manassas Park)	Proposed changes sent; pending final approval from county	Currently under review by county
	Frederick County, MD (including City of Frederick)	Meeting date TBD	
BMC jurisdictions			
	Howard County, MD	Proposed COG/TPB changes sent	Awaiting response from BMC
	Anne Arundel County, MD	Proposed COG/TPB changes sent	Awaiting response from BMC
	Carroll County, MD	Proposed COG/TPB changes sent	Awaiting response from BMC

Status report by jurisdiction, continued

Tri County Council for Southern MD (TCC) jurisdictions:	Name	Status	Remarks
	Charles County, MD	Proposed COG/TPB changes sent; reviewing comments from county	Pending final approval from county
	Calvert County, MD	Proposed COG/TPB changes sent	Pending final approval from county
	St. Mary's County, MD	Zones completed & approved by county	Awaiting additional data for comparison
FAMPO jurisdictions			
	King George County, VA	COG staff to coordinate with GWRC	
	City of Fredericksburg, VA	COG staff to coordinate with GWRC	
	Stafford County, VA	COG staff to coordinate with GWRC	
	Spotsylvania County, VA	COG staff to coordinate with GWRC	
Additional COG/TPB Modeled Region Jurisdictions			
	Fauquier County, VA	Meeting date TBD	
	Clarke County, VA	Meeting date TBD	
	Jefferson County, VA	Proposed COG/TPB changes sent	Awaiting proposed changed from county

Next steps

- Schedule meetings with remaining jurisdictions
 - Deliver first rough cut COT/TPB TAZ's
 - Incorporate any updates to local TAZ since last data acquisition
- Review of proposed COG/TPB TAZ structure by jurisdictions
 - Transportation department representatives
 - Planning staff, demographers, other staff responsible for developing cooperative forecasts
- Follow-up meetings between COG/TPB, Planning staff and counterparts at each jurisdiction
 - Explain genesis of proposed TAZ structure, i.e. why we created the zones we did
 - Address concerns brought by local jurisdictions
 - Work jointly to develop final TAZ structure that works for all parties involved (incorporate local changes, devise solution for areas of contention)

Questions and Feedback

For more information about the project, please contact the following COG/TPB staff:

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