

RETHINKING MARYLAND'S GROWTH MODEL TOOLS

AGENDA

- Guiding Principles
- New Approach
- Get your reaction and thoughts

RETHINKING MARYLAND'S GROWTH MODEL TOOLS

9 GUIDING PRINCIPLES

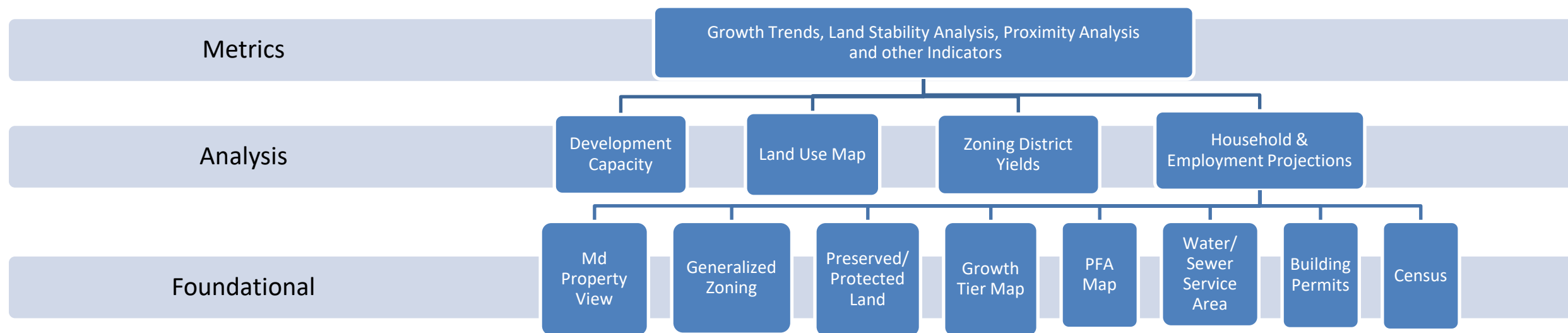
1. Improve the sharing of growth-related data among state agencies and local governments in a consistent form for maximum utilization
2. Minimize the redundancy and duplication of data collection efforts
3. Avoid creating new asks for local governments and state agencies beyond the request to share information
4. Identify existing data sources that can be used to inform local governments and state agencies where and what level of growth is taking place

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9 GUIDING PRINCIPLES

5. Ensure the process and reasoning for data collection and analysis is as transparent as possible, and address confusion or ambiguities as soon as they are identified
6. Commit to maintaining data sets created for growth monitoring purposes
7. Provide data and tools that local, regional, and state agencies can use to plan for future growth, and which can be easily integrated into third-party planning tools
8. Work closely with local partners and state agencies
9. Incrementally build the tools and resources

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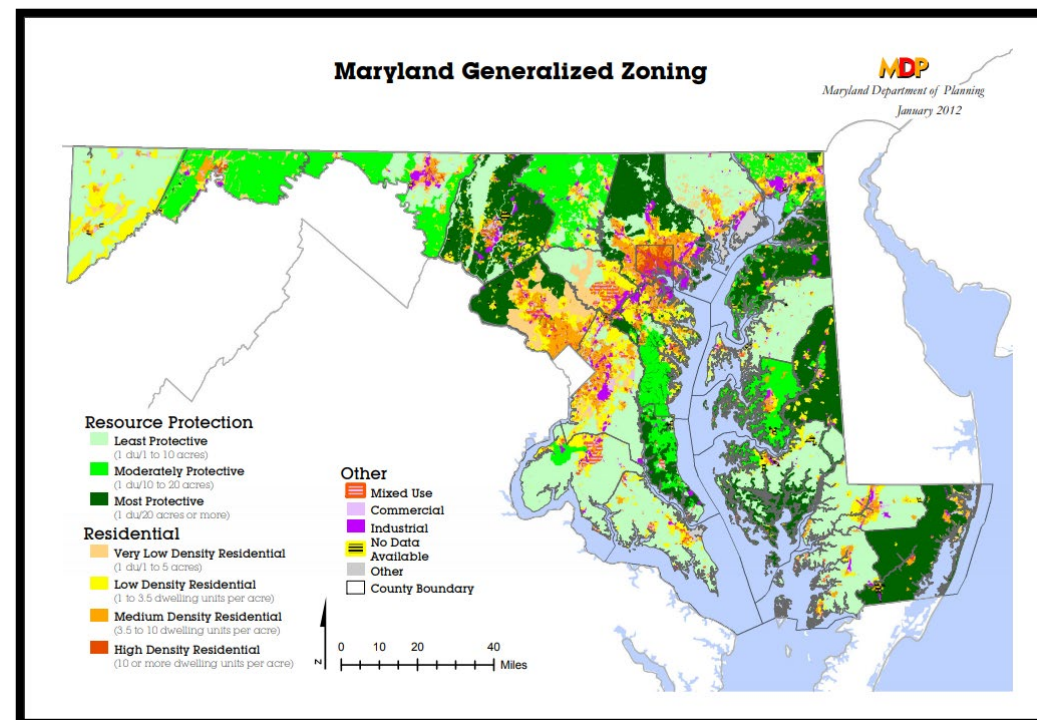




- *MdProperty View/FINDER Quantum*
 - Downloadable parcel points, parcel polygons, raster tax map catalogs, and other planning-related GIS data along with customized project files for viewing
 - Produced for each county (and Baltimore City) on a rolling basis (see Production Schedule for details)
 - *MdProperty View* configured for Esri software, *FINDER Quantum* is open-source
- **Now Available: Downloadable Parcel Points and Parcel Polygons**
 - Downloadable by county/Baltimore City or entire state
 - Updates planned for several times a year
 - *MdProperty View* parcel points and parcel polygons linked to updated Assessments data fields (August 2020 currently available)
- **FINDER Online: web-based application for viewing parcel data**

GENERALIZED ZONING

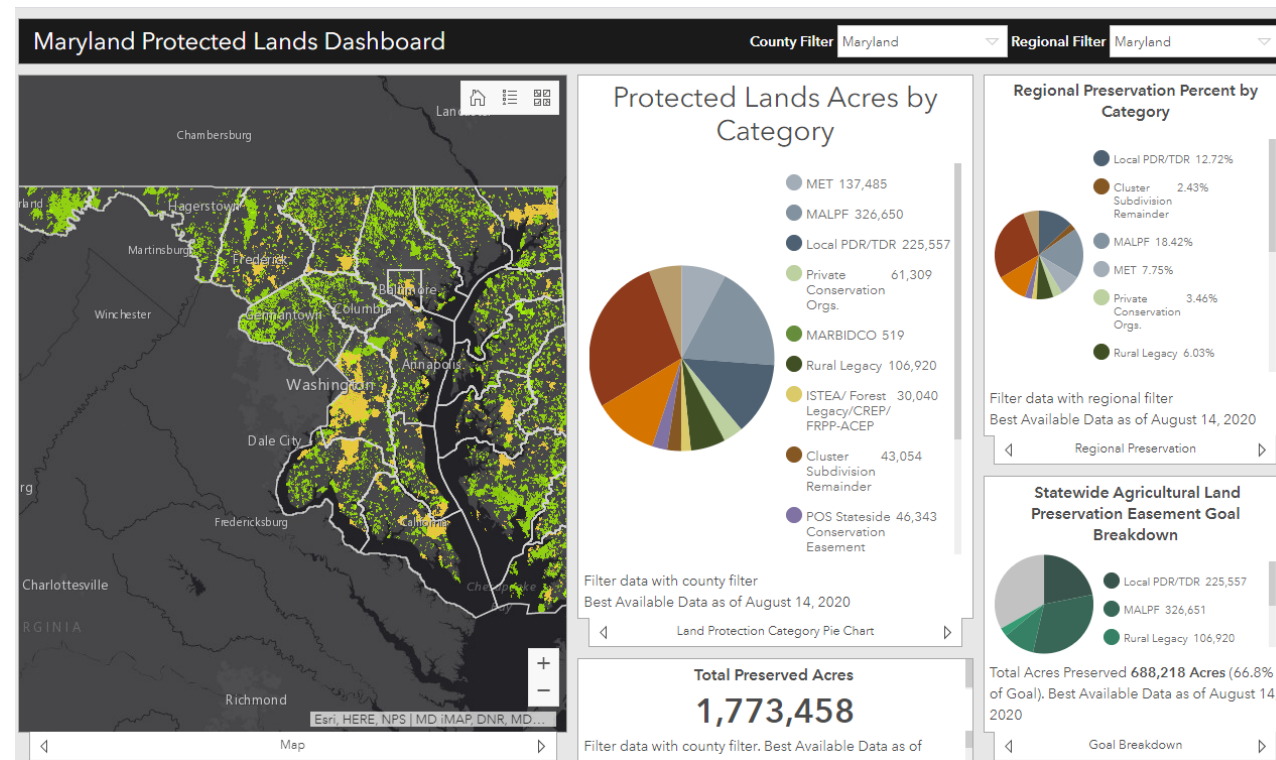
- County and Municipal Zoning
 - MDP collects zoning maps and development standards from each jurisdiction
 - Generalized statewide zoning map used for policy incorporated into state GIS planning tools
 - Local zoning and development standards used in MDP's Development Capacity Analysis
 - Want to incorporate up-to-date local zoning into state applications
- Need your help in validating our most recent assembly of local zoning maps and development standards – Starting in Nov.
 - Regional Planners will be contacting you
 - Based on the schedule, asking for a review within a month, if possible



PRESERVED/PROTECTED LAND

Maryland Protected Lands Dashboard

- Statewide Mapping (MDP and DNR)
- Tabular Acreage Data (MDP, DNR and MALPF)
- Organized by programs, regions and counties
- Updated Quarterly



SEPTICS LAW: GROWTH TIER MAPS

- Maintain statewide composite of County and Municipal Growth Tier Maps
 - Updated when counties and municipalities change their Tier Map
- Information is used for Development Capacity Analysis
- Not an online published map



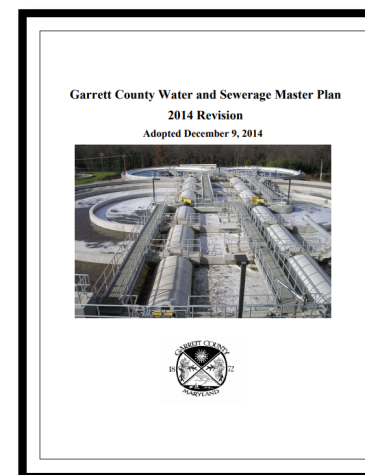
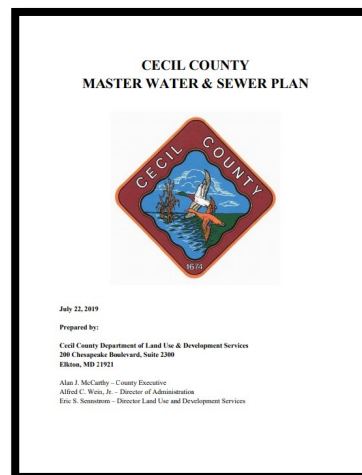
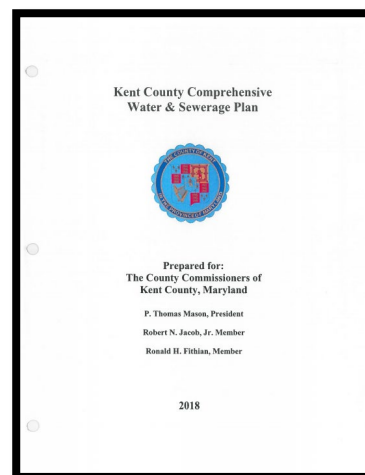
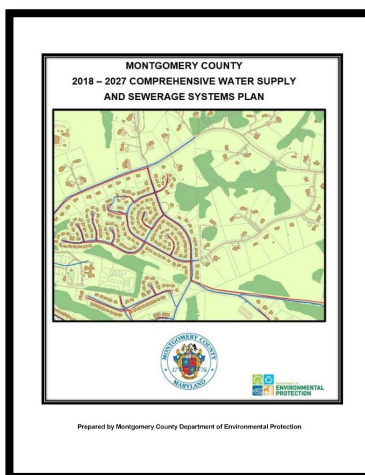
PRIORITY FUNDING AREA MAP

- County and Municipal Designated PZAs
 - MDP maintains and publishes a composite statewide map
 - Updated frequently based on local actions, e.g. annexations and local designations
 - MDP reviews designations for compliance with PFA Law and may comment if designation does not meet PFA criteria
- State Agencies use PFA map to administer “growth-related” programs



WATER AND SEWER SERVICE AREAS

- Maintain Water & Sewer Service Area Maps
 - Use County water and sewer service maps
 - MDE approved Water/Sewer Plan Amendments
 - Coordinate with County GIS to maintain up-to-date maps



BUILDING PERMIT DATA

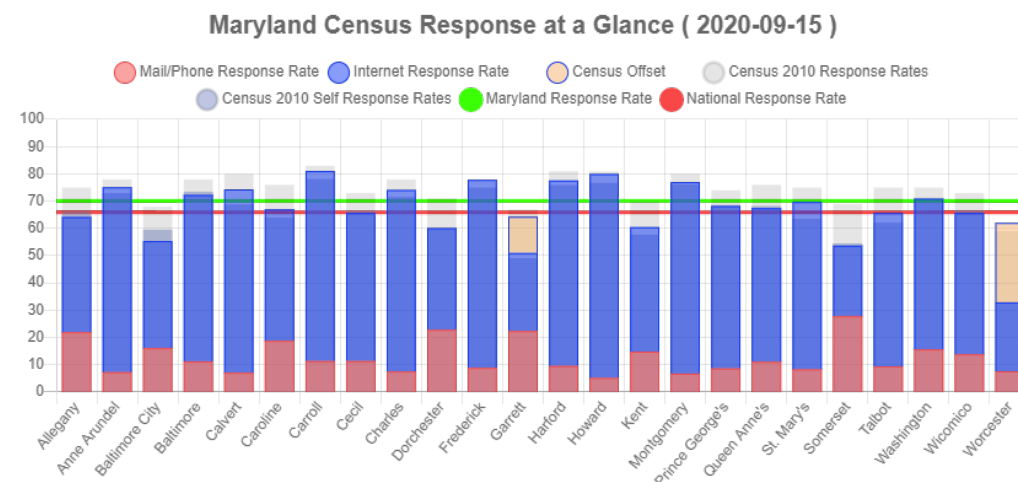
- Current Building Reporting
 - Census (Building Permits Survey)
 - Local Annual Report if more than 50 permits a year
 - Baltimore Metropolitan Council

- Exploring Statewide Building Permit Tracking
 - Using BMC Model start slow and incremental
 - Benefits
 - Improved development tracking, estimates and projections
 - Enhanced economic development and marketing information

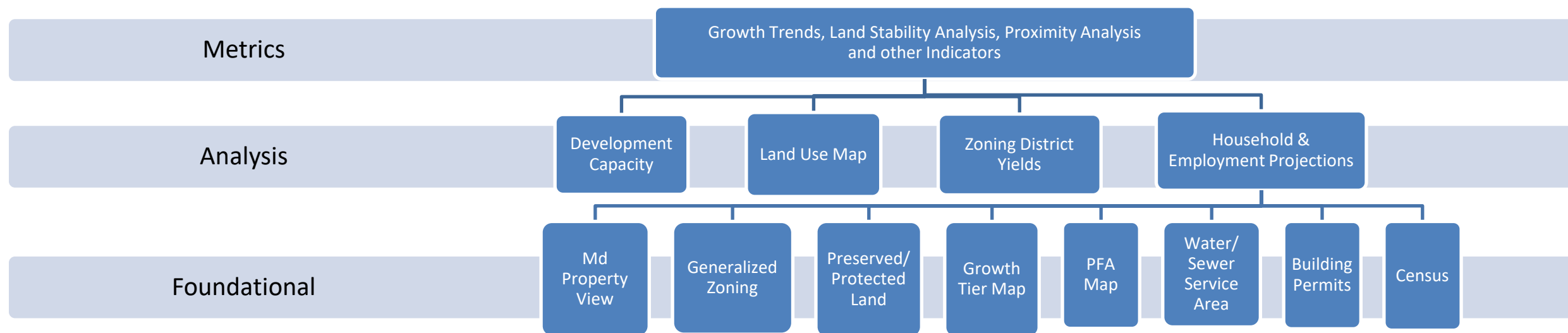


CENSUS

- Population
 - Projections by Age, Race and Gender
- Housing Units
 - Projections for Total Housing Units
 - Average Household Size
- Jobs
 - Projections for Labor Force
 - Labor Force Participation Rate
 - Jobs by Place of Work by Industry

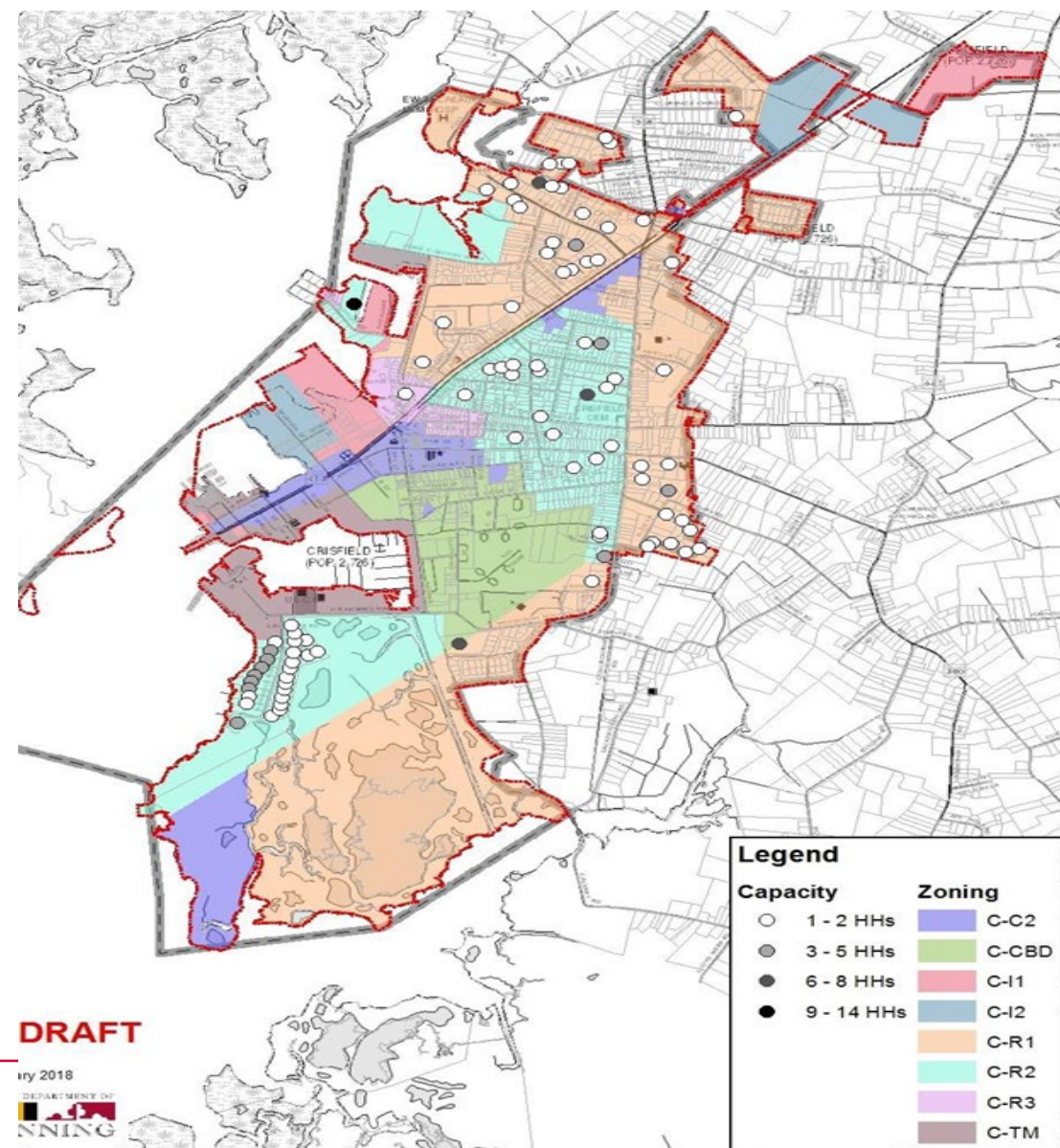


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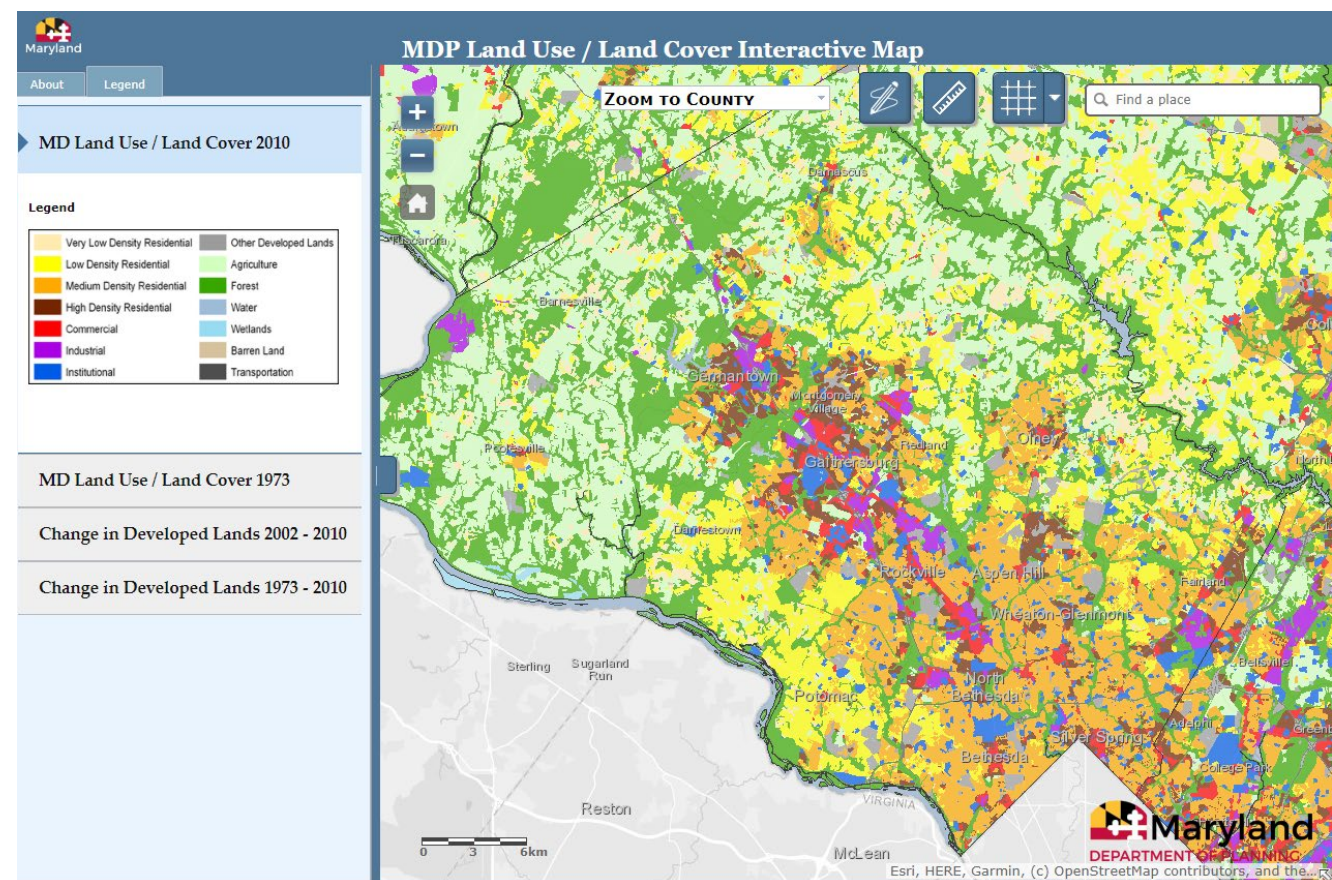
DEVELOPMENT CAPACITY ANALYSIS

- Heart of our old Growth Model
 - Minus the predictive factor of where development is likely to occur in jurisdiction
- Required in Land Use Article for every jurisdiction to do
- Data Sources:
 - MdProperty View, Zoning, Land Preservation, Growth Tiers, Water/Sewer, Land Use/Land Cover, PFA, Census



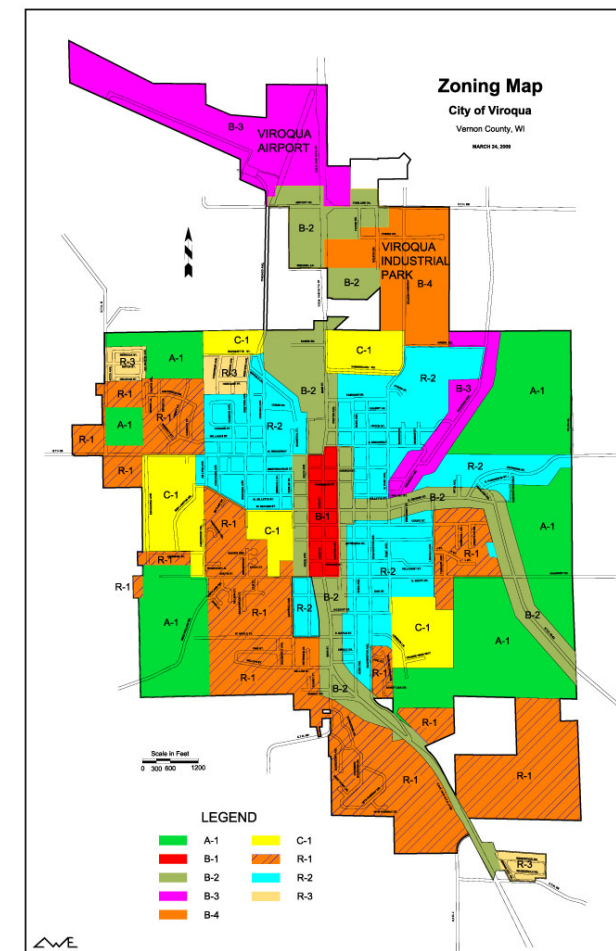
STATEWIDE LAND USE MAP (FORMERLY LAND USE/LAND COVER)

- 2020 Update in Process
- Previous Versions:
 - 1997, 2002, 2010
- Data Sources:
 - Primarily MdProperty View
 - Chesapeake Conservancy Land Cover
 - (supplemented with some local and other data)
- Opportunity for local review
 - (winter 2020/2021)
- See project website for methodology changes since 2010



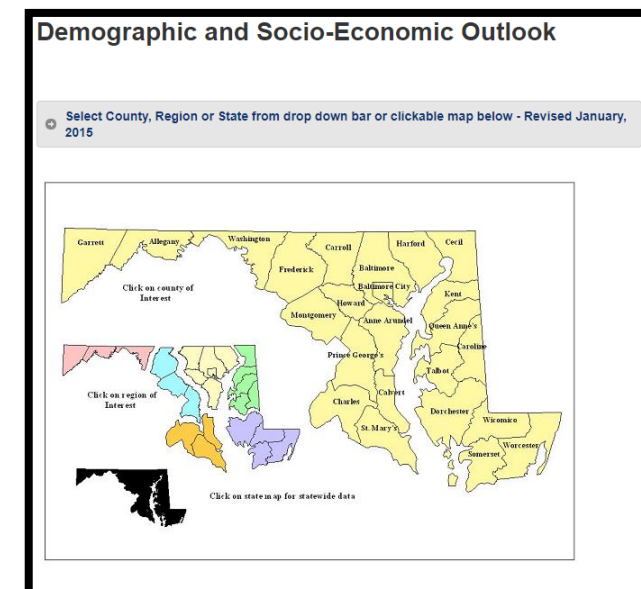
ZONING DISTRICT YIELDS

- New Analysis Tool to be developed
- Data Sources:
 - MdProperty View, Local Zoning
- Informs
 - Affordable Housing Decisions
 - Design Best Practices

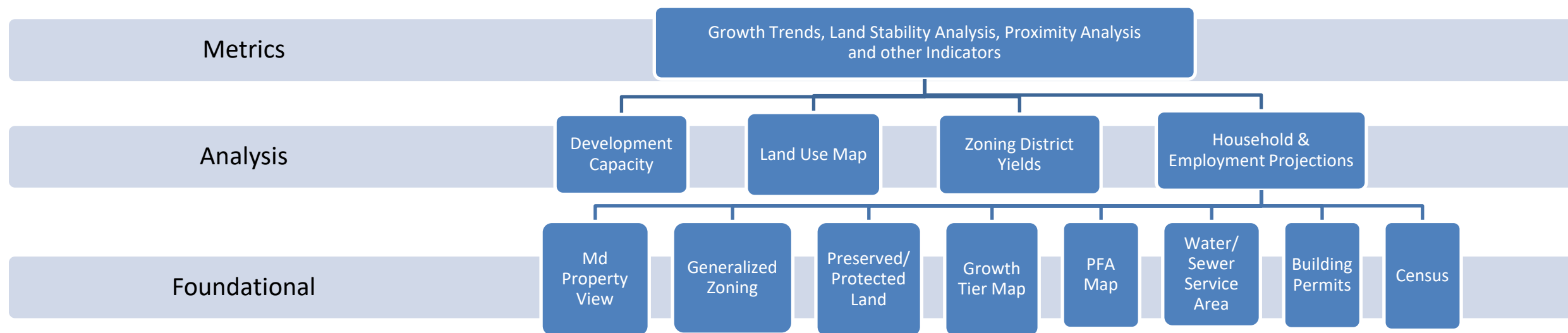


PROJECTIONS

- Households, Housing & Employment
- Data Sources:
 - Local Zoning and Building Permits
- Informs
 - School Enrollment
 - Infrastructure Needs
 - Social Service Needs



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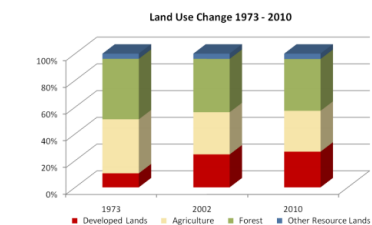
FUTURE METRICS

- Targeted Local Growth Trend Tools
- Land Stability Analysis Tools
- Predictive (Proximity) Tools for Local Analysis
- Indicators



State of Maryland

	Land Use in Acres		Land Use Change	
	2002 ¹ Acres	2010 ² Acres	2002-2010 Acres	Percent
Very Low Density Residential ³	283,741	311,037	27,296	9.6%
Low Density Residential	524,736	567,966	43,230	8.2%
Medium Density Residential	287,143	305,281	18,138	6.3%
High Density Residential	88,685	96,206	7,522	8.5%
Commercial	87,933	98,714	10,781	12.3%
Industrial	57,130	62,382	5,253	9.2%
Other Developed Lands/ Institutional/Transportation ⁴	206,892	222,651	15,759	7.6%
Total Developed Lands⁵	1,536,259	1,664,238	127,979	8.3%
Agriculture	1,971,969	1,908,887	-63,082	-3.2%
Forest	2,489,680	2,418,478	-71,202	-2.9%
Extractive/Barren/Bare	13,296	19,522	6,226	46.8%
Wetland	230,221	230,300	78	0.0%
Total Resource Lands⁵	4,705,166	4,577,187	-127,979	-2.7%
Total Land	6,241,425	6,241,425		
Water	1,685,265	1,685,265		



1. Two new categories have been added to the 2010 Land Use/Land Cover layer update; very low density residential development (03,100) and transportation (06).

2. Updates/modifications to the 2010 land use/land cover layers used the 2007 NAIP aerial imagery and parcel information from Maryland Property View 2008.

3. The original 2002 data were mapped using geo-referenced LANDSAT satellite imagery and 2002 MDP Property View. In 2010 new low and mid density categories were added; transportation and very low density residential making it necessary to modify the 2002 land use/land cover layer to incorporate these categories for comparative purposes. Additionally, better imagery and property data information were used to make further modifications. The enhanced 2002 dataset is available upon request.

4. Very low density residential was not mapped in 1973, so there is no data associated with changes. Transportation was not mapped in 1973.

5. As noted above, new land use categories were added in 2010 and associated adjustments were made to 2002 data. Similar adjustments were not made to 1973 data, making it impossible to know how much change from 1973 is due to new development since then, versus modified land uses at that time. For these reasons, we suggest reliance only on change statistics for the aggregate land use categories, Total Developed and Total Resource Lands.

HOW CAN WE COLLABORATE

- Share Tools and Resources
 - Data
 - Census Bureau's socioeconomic data
 - Bureau of Economic Analysis jobs and income data
 - IRS data - migration data
 - County Business Patterns data
 - Ag Census data - farms and acreage
 - Building Permits data



HOW CAN WE COLLABORATE

- Share Tools and Resources
 - Projections
 - Population Projections
 - Projections of Housing Units and Households
 - Projections of Jobs by Industry
 - Projections of Personal and Per Capita Income
 - School Enrollment Projections



HOW CAN WE COLLABORATE

- Share Tools and Resources
 - Dashboards/Interactive Data
 - Census Response Rates
 - American Community Survey data
 - Few more in development
 - Open Data Portal
 - MD iMAP



NEXT STEPS

- How can we do better?
 - Improve accessibility to data - dashboards, visualizations etc.
 - Trainings/webinars on how to access Census Data - using API's
 - Create a cost-effective process
- How can you help?
 - Share data - like building permit info



NEXT STEPS

- Building Permit Systems Survey
- Setup a workgroup or Taskforce

YOUR THOUGHTS

- Questions
- Suggestions
- Volunteers

CONTACT

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