STATEWIDE BUILDING PERMIT REPORTING: PART OF MARYLAND'S NEW GROWTH MODEL TOOLKIT

AGENDA

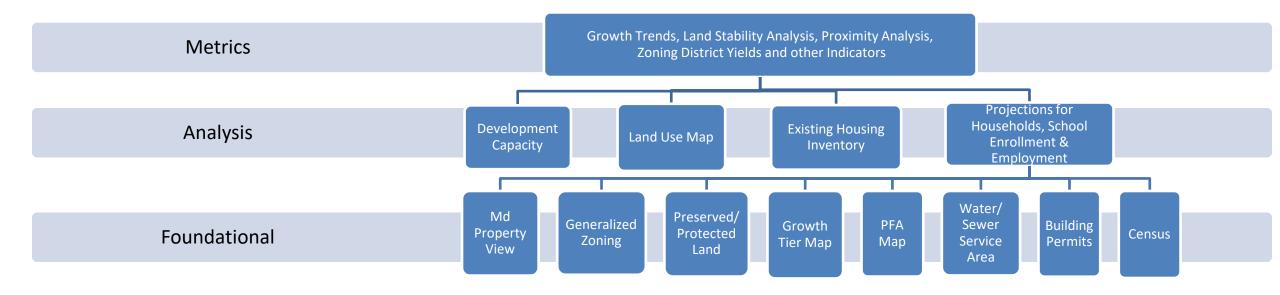
Overview of Growth Model Toolkit

Building Permit Information Collected

Anticipated Use of Building Permit Data



MARYLAND'S NEW GROWTH MODEL TOOLKIT



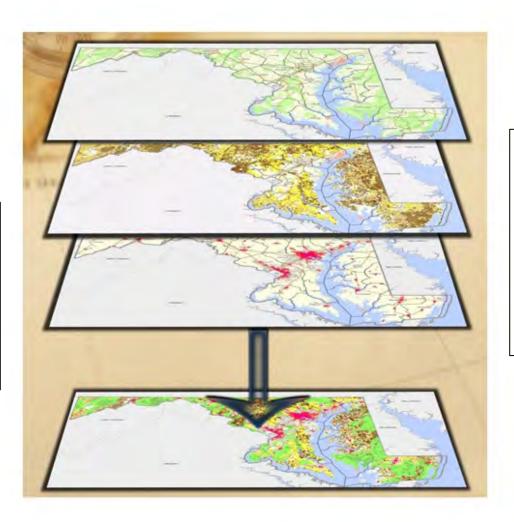


MARYLAND'S NEW GROWTH MODEL TOOLKIT FOR LOCAL SCENARIO DEVELOPMENT

Generalized Zoning: Max Potential Development

Local Development Considerations (Jurisdiction Specific):

- Rural Subdivision Restrictions
- Growth Tier Designations
- Priority Funding Areas
- Sewer Service Area
- Zoning District Yields



Existing Conditions:

- Land Use Map
- Residential Development (Preparing a Housing Inventory Map)
- Environmental Features
 - Protected Lands
 - Forest Conservation Easements
 - Floodplains
 - Critical Areas



Development Capacity

HOW WILL COLLECTING BUILDING PERMIT DATA HELP? EXISTING AVAILABLE STATEWIDE DATA

- Planning's Existing Land Use Map Data Sources:
 - Primarily Md Property View
 - Chesapeake Conservancy Land Cover
- US Census Bureau Building Permit Survey
 - Only at the county level and not site specific
- SDAT property information
 - Does not include number of dwelling units on multifamily or mixed-use lots



ou are here: Census.gov > Business & Indus	try > Construction > Building Permits			
Building Permits Survey				
Main About the Surveys	Get Forms Historical Data	How the Data are Collected		
Related Links				
Business and Industry	Overview This page provides data on the number of new housing units authorize annually at the national, state, selected metropolitan area, county and			
 Manufacturing Sector 				
Economic Census				
Economic Indicators				
Construction	Building Permits Permits by United States and Regions XLS [363kb] Permits by State - Monthly Permits by State - Annual Permits by Metropolitan Area - Monthly			
New Residential Construction				
New Residential Sales				
Characteristics of New Housing				
Construction Spending				
 Manufactured Housing 	 Permits by Metropolitan Area 	a - Appual		



HOW WILL COLLECTING BUILDING PERMIT DATA HELP? AUGMENT AND REPLACE EXISTING REPORTING

- Current Building Reporting
 - Census (Building Permits Survey)
 - Local Annual Report if more than 50 permits a year
 - Baltimore Metropolitan Council
- Statewide Building Permit Reporting
 - Augment or eliminate local annual reporting of certain data
 - Improved state and Census projections & estimates







HOW WILL COLLECTING BUILDING PERMIT DATA HELP? ADDITIONAL PLANNING ANALYSIS INDICATORS

- Identification of Economic Development Hot Spots
 - Number of new dwelling units
 - Amount of new nonresidential square feet added
 - Investment in Additions/Alterations/Renovations (AAR)
- Improved understanding of local investment: new construction vs AAR
- Trends in non-residential development
- Trends in housing characteristics





HOW WILL COLLECTING BUILDING PERMIT DATA HELP? INCREASED INTEREST IN ADDRESSING AFFORDABLE HOUSING

- State and local officials want to know more about housing, and how to address the affordability problem.
- Several bills this past year proposed additional mandates on state agencies and local governments related to housing:
 - HB0927/SB0744 Housing and Community Development Affordable Housing - Listing and Disposal of Excess Real Property (*Passed, To Governor*)
 - HB0705 Land Use Reporting Annual Reports and Development of New Housing (*Withdrawn by Sponsor*)
 - HB0039/SB0608 Report on the Public or Private Conversion of State Property to Affordable Housing (*Did not get out of Committee*)
 - SB0871 Accessory Dwelling Unit Authorization and Promotion Act (*Did not get out of Committee*)





STATEWIDE BUILDING PERMIT REPORTING OUTREACH

- Working with Baltimore Metropolitan Council (BMC) staff, Planning studied their building permit data reporting system.
- Contacted Baltimore region jurisdictions for access to permit data on a monthly basis, and now beginning to reach out to other jurisdictions in central part of the state.
- To date, 12 jurisdictions have been contacted.
- Currently we are receiving monthly permit data with all the desired data fields from 3 jurisdictions; we are working with all the others.
- Planning is developing a Memo of Understanding detailing shared data and resource tools to provided.





EARLY CONCLUSIONS OF STATEWIDE BUILDING PERMIT REPORTING

- Work with existing building permit collection systems
- Most jurisdictions already report some permit data to SDAT
- Build on BMC's building permit data reporting system:
 - Number of New Units (single family vs multifamily)
 - Total Value of Construction (residential vs nonresidential)
- Enhancements in Data Collection
 - Permits Issued and Use & Occupancy Certificates
 - Type of Residential Units being permitted (New and AARs)
 - Number of Bedrooms and Baths in New Units
 - Type of Water and Sewer Service
 - Total Floor Area of new construction
- Dashboard and Interactive Map of select statewide information





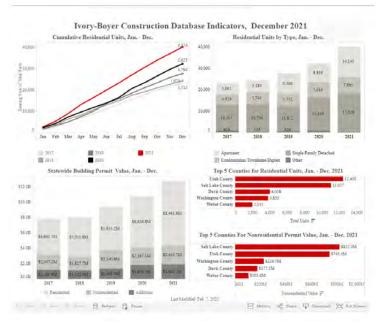
EARLY CONCLUSIONS OF STATEWIDE BUILDING PERMIT REPORTING

 Beside BMC's building permit data reporting system, few other states have attempted to collect & report building permits statewide.

Utah

Delaware

≘ Manazz FirstMap Mid Atlantic Deta	Q
Building Permits	
Planning Vere Map Deveload More+	
Summary	Details
This Map Service provides both the Downtown Development District boundaries elong with point information for the Grants awarded for Projects through the Downtown Development program. It also provides point locations for	Dataset Feature Layer
Building Permits and Development Applications gathered by the Office of State Pianning Coordination. The Office of State Pianning Coordination becam collecting building permit data in 2008 from each of the 3	October 21, 2021 Info Updated
The china's or bate patienting Constrained regist consequences of the monitorial patient coals in 2004 there are a counties (Meet Patienting Constrained regist consequence) and the monitorial patient show thand is in development activity throughout the state. This dataset provides point locations for bailding permits from 2008 to present.Residential and non-mestering building permits is pared in manufacial and count instructions in Cheveren from 2008 to	 April 11, 2022, 9:50 AM Data Updated
and never escenario durantly permit padeo in managar and county personant in became more too to present. Suilding permit data indicate where actual land development ectively is occurring. Because permit information is actual, rather than speculation, it is a better indicate of actual market development.	August 4, 2021 Published Date
trends. Planning and carlative	S4,362 Records View data table



NJ Construction Permit Data Reference Data Asualize v Export API Data received as of 04/07/2022 April 8, 2022 N.J.A.C. 5:23-4.5 (d) requires municipalities to report to DCA monthly, information on ear Data Provided by New Jersey Department of Communit Affairs - Division of Codes & Standards More Mute Datase About this Dataset Updated Asset Details April 8, 2022 Asset Provider Organization Community Affairs Asset Start Dat 4/1/2017 With limited data prior to that data Data Last Updated Metadata Last Updat April 8, 2022 April 8 2022 Asset End Date Ongoin Date Created Asset Posting Frequence Monthit anuary 24, 2019. Geographic Coverag Views Downloads Common Core 572 5,005 Contact Name Data NI Team Contact Email ContactDataNI@tech ni go Data Provided by NI OIT Open Data Centi Reference Data Category Contact Dataset Own construction perm Show More

New Jersey

EARLY CONCLUSIONS OF STATEWIDE BUILDING PERMIT REPORTING

- Planning is in the process of developing a prototype dashboard and interactive map application
- We want to hear from you on:
 - What tools or analysis you would like us to include
 - Any tools/dashboards that you would like to deploy locally
 - Let us know if you would like to be part of a peer review
 - Let us know if you want us to contact you about sharing your data sooner





STATEWIDE ADDRESS DATABASE INVESTIGATION RELATED OUTREACH

- Planning is also talking to local planning departments about how they assign addresses to properties, particularly multifamily and mixed-use structures
- As with building permits, addresses can help identify the number of existing units on a property.
- Some jurisdictions only assign and track addresses for the principal structures of a multifamily or mixed-use development but not the sub-addresses, while other jurisdictions assign and track addresses and sub-addresses in their GIS systems.
- Enhanced address numbering could be integrated into various statewide data systems.
- We welcome your help and suggestions to identify best practices.







BUILDING PERMIT DATA USES

Census Programs

- Verify Census Building Permits Data
- Census Population Estimates Program Housing Units and Population
- Census LUCA Program
- Census Count Review (Housing Unit Address Counts)
- Group Quarters verification
- Urban Area analysis





BUILDING PERMIT DATA USES



Population

 Projections by Age, Race and Gender

Housing Units

- Projections for Total Housing Units
- Average Household Size
- Climate Change Report
- Housing affordability analysis

Maryland DEPARTMENT OF PLANNING

School Enrollment

 Projections by Grade Succession Ratio

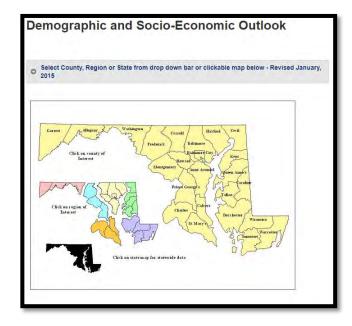
Jobs

- Projections for Labor Force
- Labor Force Participation Rate
- Jobs by Place of Work by Industry

PROJECTIONS

Informs

- School Construction
- Infrastructure Needs
- Social Service Needs
- Households, Housing & Employment
- Local Future Land Use







BUILDING PERMIT DATA USES

Reviews and Assistance

- Growth Model Input
- Comprehensive Plan Reviews
- Local Annual Report (prepared by planning commission)
- TAZ population and jobs projections
- Measuring compact development





MARYLAND STATE DATA

CENTER

BUILDING PERMIT DATA USES

Enhance SDAT* Data

- Identify number of multifamily units
- Identify mixed use development
- Enhance reporting metrics for multifamily units

*State Department of Assessment and Taxation Data



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

MARYLAND STATE DATA CENTER



How can we Collaborate

- Share Tools and Resources
 - Dashboards/Interactive Data
 - Snapshot Maryland
 - 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





CONTACT

Chuck Boyd, AICP Director, Planning Coordination Ph: 410-767-1401 Email: <u>Chuck.Boyd@Maryland.gov</u>

Alfred Sundara, AICP Manager, Projections and State Data Center Ph: 410-767-4002 Email: <u>Alfred.Sundara@Maryland.gov</u>

