

Smart Growth in Maryland: Towards a New Paradigm

Chesapeake Environmental
Protection Association

October, 2016





Overview of Presentation

- Smart Growth in Maryland
- Smart Growth Performance
- Toward A New Paradigm
- Presto: A Glimpse into the Future
- A Sustainable Maryland Manifesto!



Ten Principles of Smart Growth

- Mix land uses;
- Take advantage of compact building design
- Create a wide range of housing opportunities and choices;
- Create walkable neighborhoods
- Foster distinctive, attractive communities with a strong sense of place;
- Preserve open space, farmland, natural beauty and critical environmental areas;
- Strengthen and direct development toward existing communities
- Provide a variety of transportation choices;
- Make development decisions predictable, fair and cost effective
- Encourage community and stakeholder collaboration in development decisions.



Maryland's 12 Visions

- **Quality of Life and Sustainability**
- **Public Participation**
- **Growth Areas**
- **Community Design**
- **Infrastructure**
- **Transportation**
- **Housing**
- **Economic Development**
- **Environmental Protection**
- **Resource Conservation**
- **Stewardship**
- **Implementation**



1997 Smart Growth Legislation

- Priority Funding Areas
- Rural Legacy
- Brownfields Cleanup
- Job Creation Tax Credit
- Live Near Your Work



**INCENTIVES, NOT
REGULATIONS!**



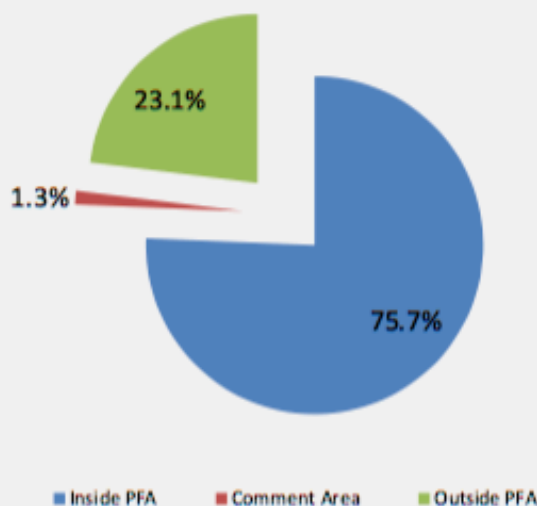
Smart Growth Performance



Improved Single Family Residential Parcels in Maryland

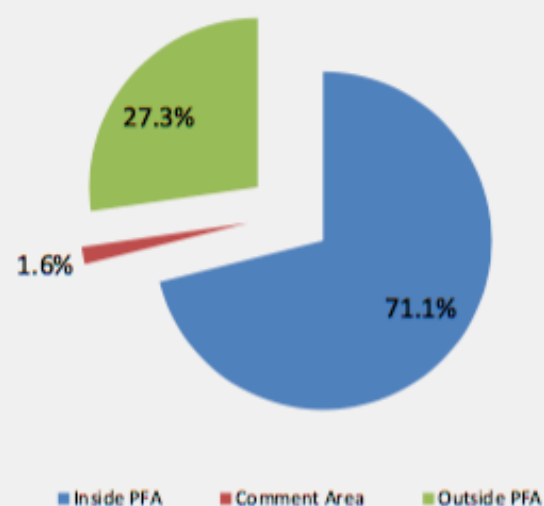
Pre-Smart Growth Laws

1985-1998



Post Smart Growth Laws

1999-2012



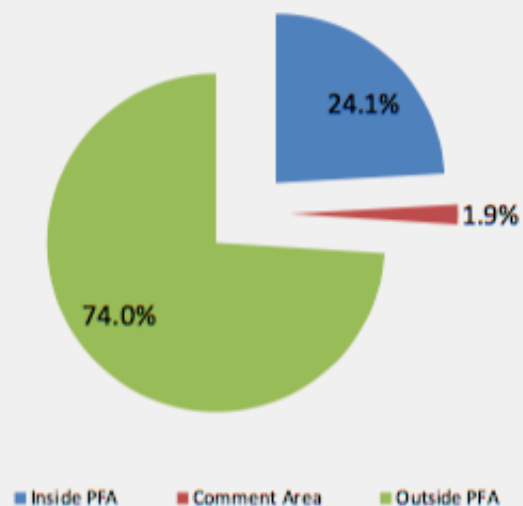
Source: Maryland Department of Planning, Planning Data Services, from MD Property View



Improved Single Family Residential **Acres** in Maryland

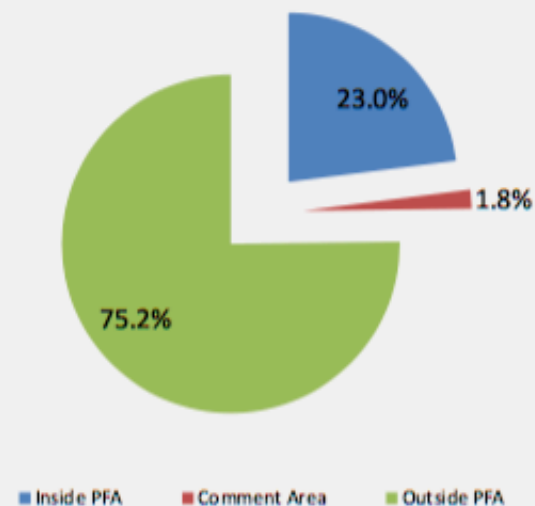
Pre-Smart Growth Laws

1985-1998



Post Smart Growth Laws

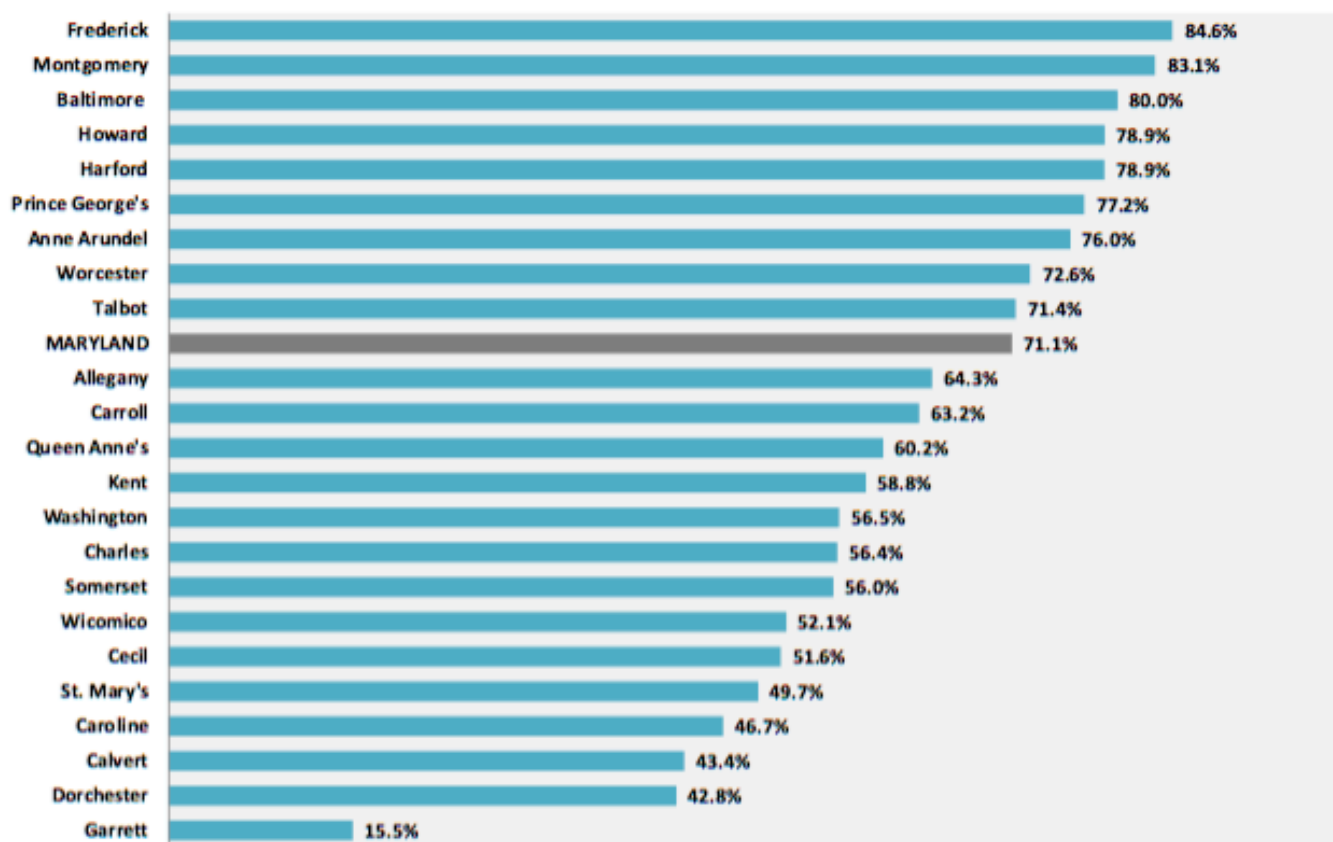
1999-2012



Source: Maryland Department of Planning, Planning Data Services, from MD Property View



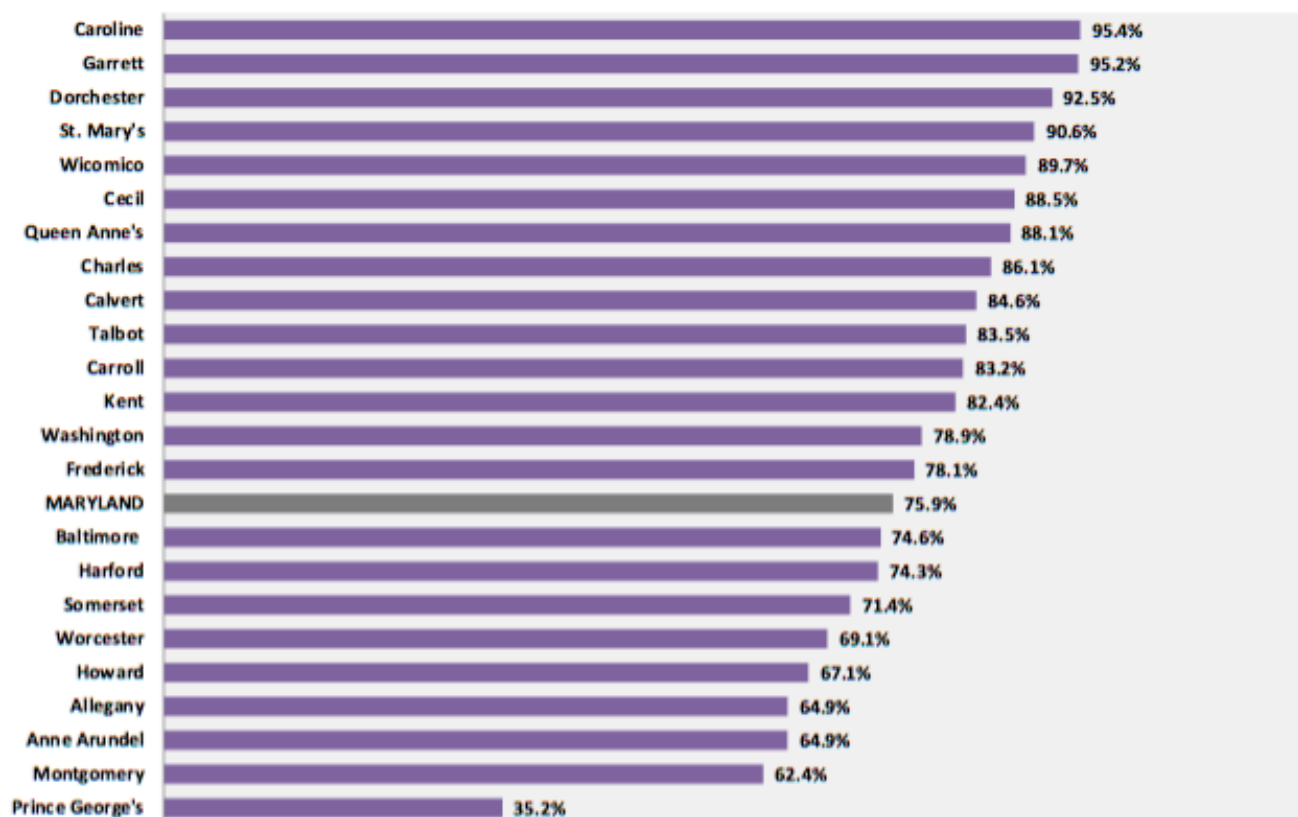
Percent of Single-Family Improved Residential Parcels Inside PFAs for Maryland's Jurisdictions, 1999-2012 *



* Does not include comment areas. All of Baltimore City is a PFA, so is not shown separately but is included in Maryland totals.
Source: Maryland Department of Planning, Planning Data Services, from MD Property View



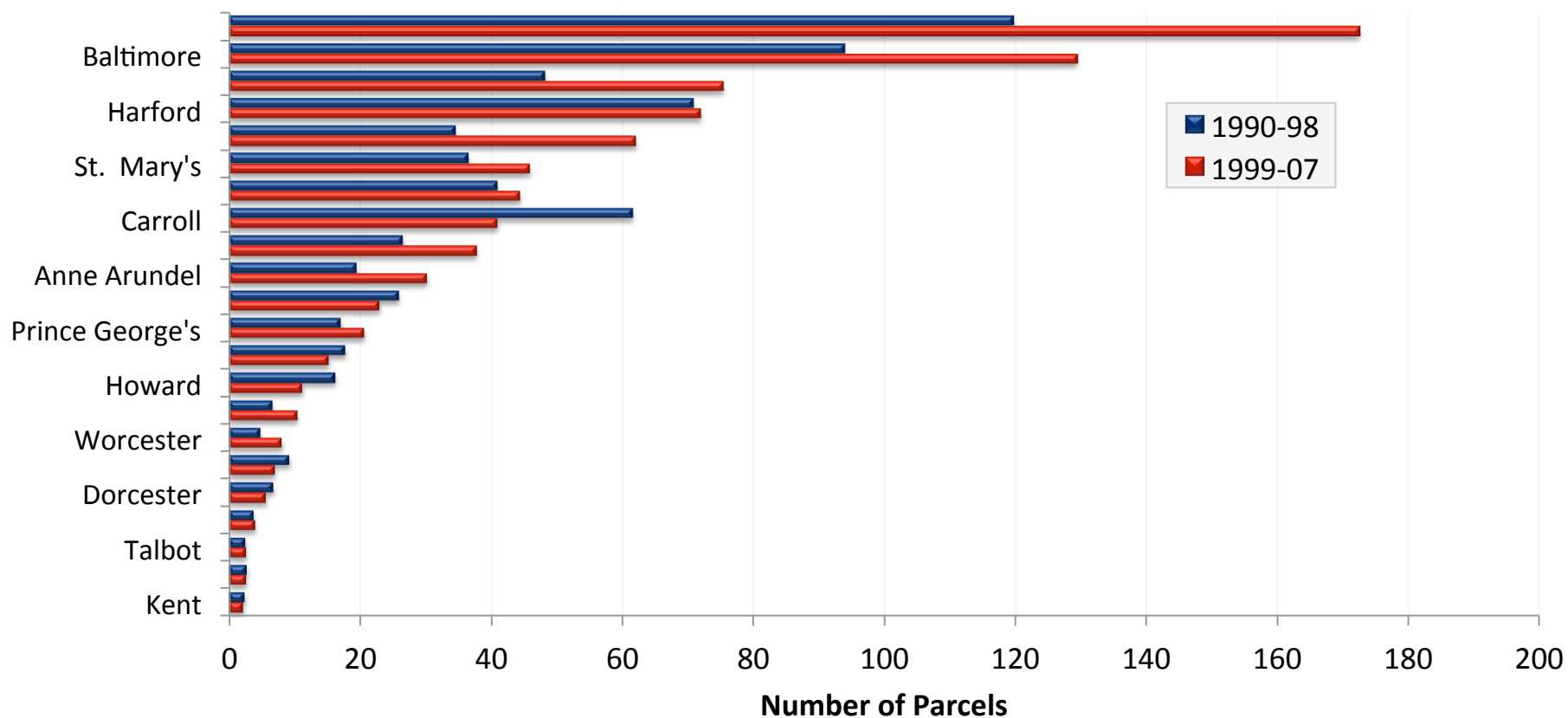
Percent of Single-Family Improved Residential **Acres** Outside of PFAs for Maryland's Jurisdictions, 1985-1998 *



* Includes comment areas. All of Baltimore City is a PFA, so is not shown here..



Average *Parcels* Developed Annually in Rural Legacy Areas



Source: Maryland Department of Planning, Maryland Property View Database

Housing Affordability, State Index, 2001-09

*Least
Affordable*

*Most
Affordable*

	2001	2002	2003	2004	2005	2006	2007	2008	2009
Baltimore Region									
Anne Arundel	3.07	3.52	4.07	4.73	5.28	5.29	5.00	4.57	4.26
Baltimore	2.35	2.51	2.85	3.28	3.82	3.89	3.82	3.45	3.25
Baltimore City	1.17	1.24	1.38	1.58	1.95	2.16	2.25	2.17	1.95
Carroll	3.35	3.71	4.24	4.82	5.36	5.07	4.93	4.25	3.90
Harford	2.62	2.64	3.12	3.51	3.96	3.97	3.82	3.62	3.41
Howard	3.58	4.18	4.65	5.52	6.09	5.92	5.74	5.32	4.91

DC Suburbs									
Frederick	3.01	3.37	3.78	4.39	5.04	4.96	4.56	3.83	3.40
Montgomery	4.05	4.74	5.44	6.23	6.91	6.75	6.53	5.60	4.91
Prince George's	2.64	2.93	3.38	3.98	4.81	5.07	4.71	3.90	3.18

Southern Maryland									
Calvert	3.25	3.53	4.27	4.56	5.28	5.23	5.22	4.40	4.18
Charles	2.92	3.15	3.61	4.38	5.12	5.15	4.85	4.24	3.76
Saint Mary's	2.92	3.16	3.63	4.17	4.79	4.90	4.84	4.26	4.00

Western Maryland									
Allegany	1.18	1.19	1.22	1.17	1.34	1.37	1.51	1.28	1.63
Garrett	2.77	3.34	4.26	4.55	5.02	4.96	4.74	3.89	3.61
Washington	2.31	2.36	2.76	3.09	3.66	3.57	3.24	2.77	2.43

Upper Eastern Shore									
Caroline	1.85	2.19	2.49	2.81	3.17	3.55	3.06	2.70	2.53
Cecil	2.54	2.78	3.08	3.49	3.83	3.87	3.75	3.33	3.25
Kent	2.54	2.62	2.95	3.86	3.98	4.31	3.96	3.47	3.03
Queen Anne's	3.45	3.94	4.60	5.35	5.74	5.61	5.44	4.61	4.12
Talbot	3.31	3.71	4.54	5.26	5.69	5.53	5.37	4.75	4.76

Lower Eastern Shore									
Dorchester	1.73	1.76	2.24	2.61	3.17	3.15	2.64	2.48	2.17
Somerset	1.38	1.11	1.52	1.92	2.05	2.71	2.26	2.07	2.29
Wicomico	2.07	2.15	2.38	2.62	2.78	2.98	2.84	2.76	2.48
Worcester	2.78	3.90	4.19	5.41	5.17	5.42	5.15	4.50	4.62

Source: Maryland Association of Realtors;
U.S. Census Bureau SAIPE



People can examine the same data and come to different conclusion; ours are these...

- Indicators alone cannot ascertain whether trends would have been worse in the absence of Maryland's Smart Growth Program;
- Changes in development patterns take a long time; Currently available indicators are highly imperfect measures of environmental quality or quality of life;
- If the success of Maryland's Smart Growth Program was measured only on currently available indicators, however, the indicators generally suggest that substantial progress has not been made.



Toward a New Paradigm



United Nations Sustainable Development Goals





STAR Framework of Sustainability Goals & Objectives

Built Environment	Climate & Energy	Economy & Jobs	Education, Arts & Community	Equity & Empowerment	Health & Safety	Natural Systems	Innovation & Process
Ambient Noise & Light	Climate Adaptation	Business Retention & Development	Arts & Culture	Civic Engagement	Active Living	Green Infrastructure	Best Practices & Processes
Community Water Systems	Greenhouse Gas Mitigation	Green Market Development	Community Cohesion	Civil & Human Rights	Community Health	Biodiversity & Invasive Species	Exemplary Performance
Compact & Complete Communities	Greening the Energy Supply	Local Economy	Educational Opportunity & Attainment	Environmental Justice	Emergency Management & Response	Natural Resource Protection	Local Innovation
Housing Affordability	Energy Efficiency	Quality Jobs & Living Wages	Historic Preservation	Equitable Services & Access	Food Access & Nutrition	Outdoor Air Quality	Good Governance
Infill & Redevelopment	Water Efficiency	Targeted Industry Development	Social & Cultural Diversity	Human Services	Health Systems	Water in the Environment	
Public Parkland	Local Government GHG & Resource Footprint	Workforce Readiness	Aging in the Community	Poverty Prevention & Alleviation	Hazard Mitigation	Working Lands	
Transportation Choices	Waste Minimization				Safe Communities		



Presto!

A Glimpse into the Future

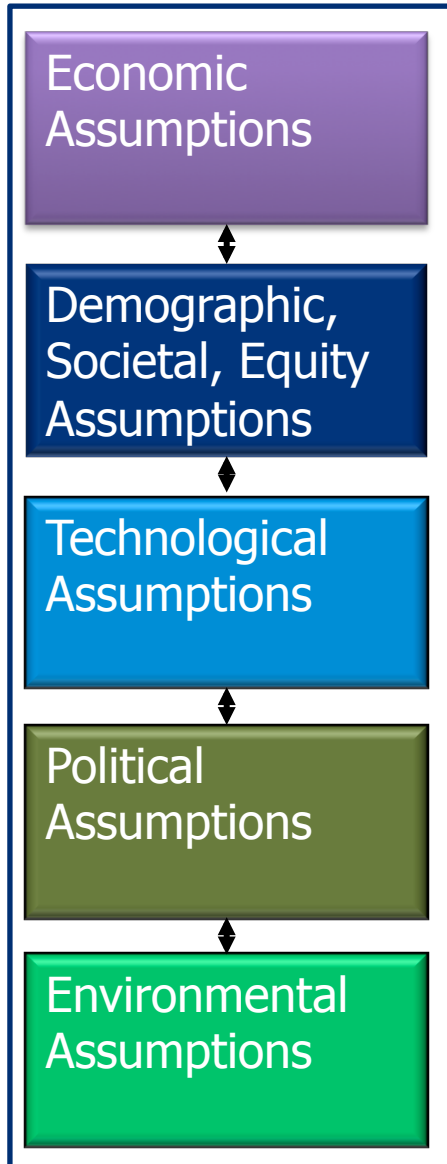


PRESTO!

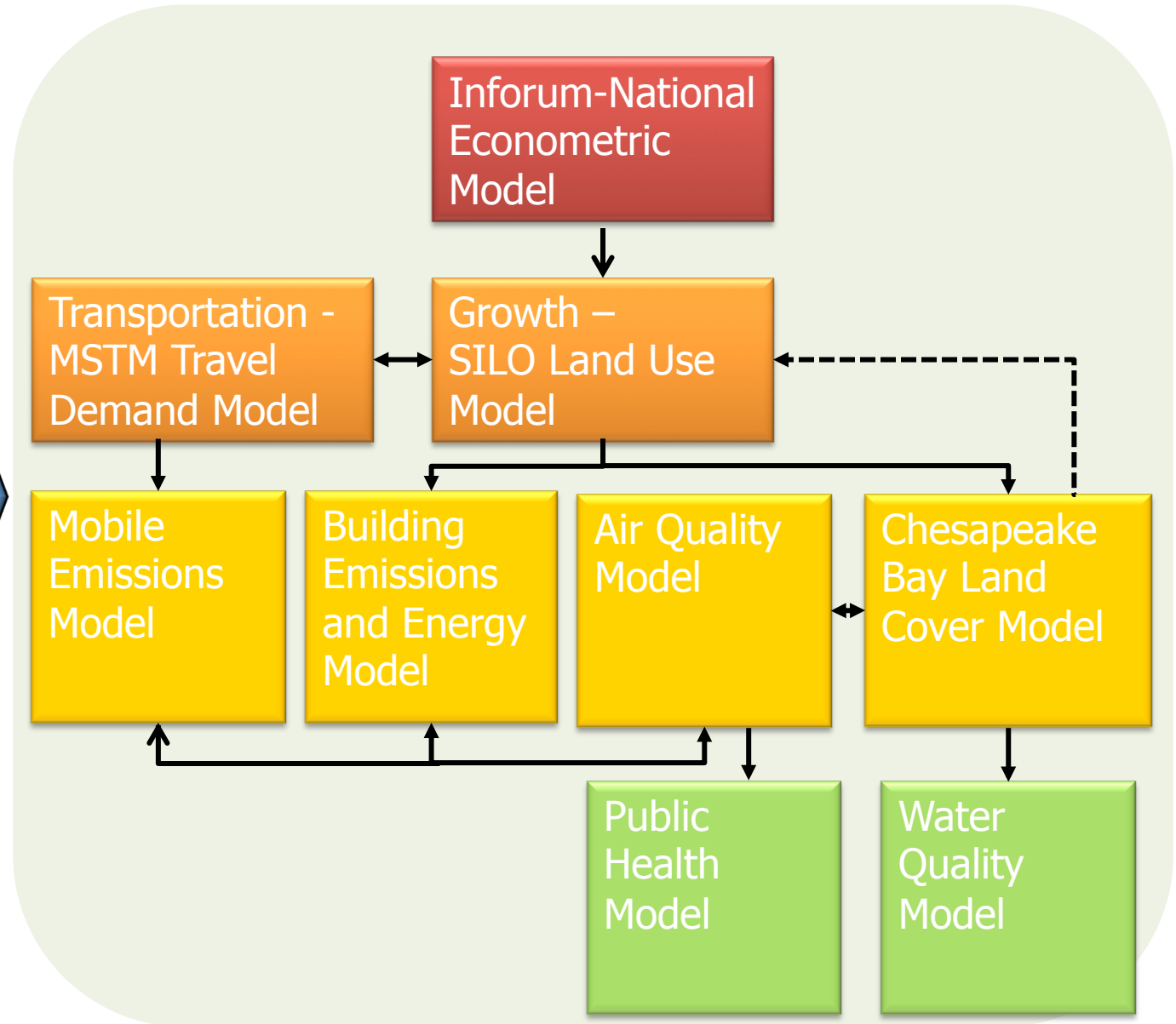


The PRESTO Modeling Framework

Scenario Drivers



Scenario Models



Revenge of the Nerds



Fuel Gov. Tech



Ashes and Diamonds



Fuel Gov. Tech



Blue Planet



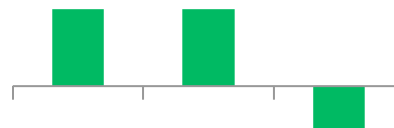
Fuel Gov. Tech



Last Call at the Oasis

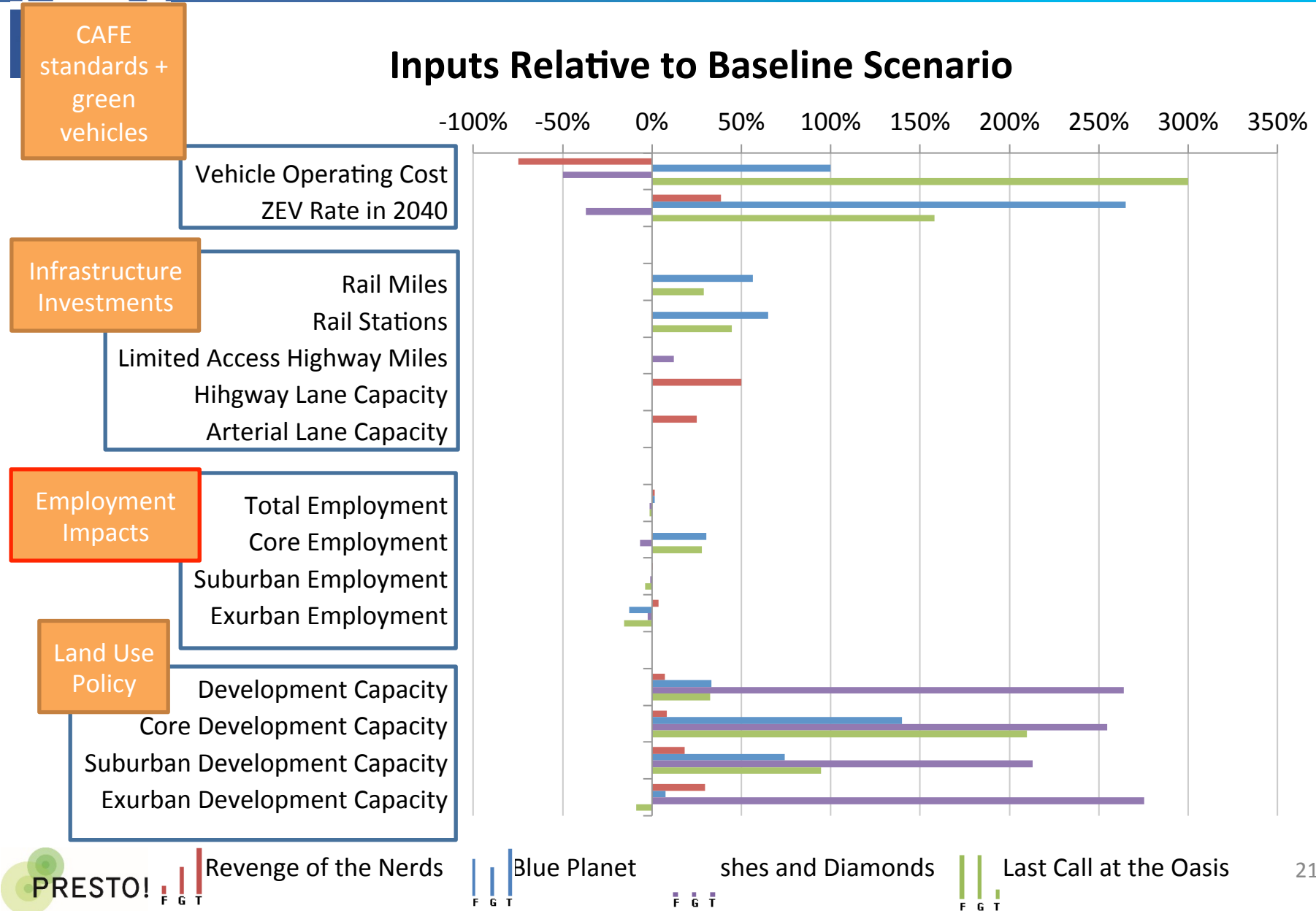


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Inputs

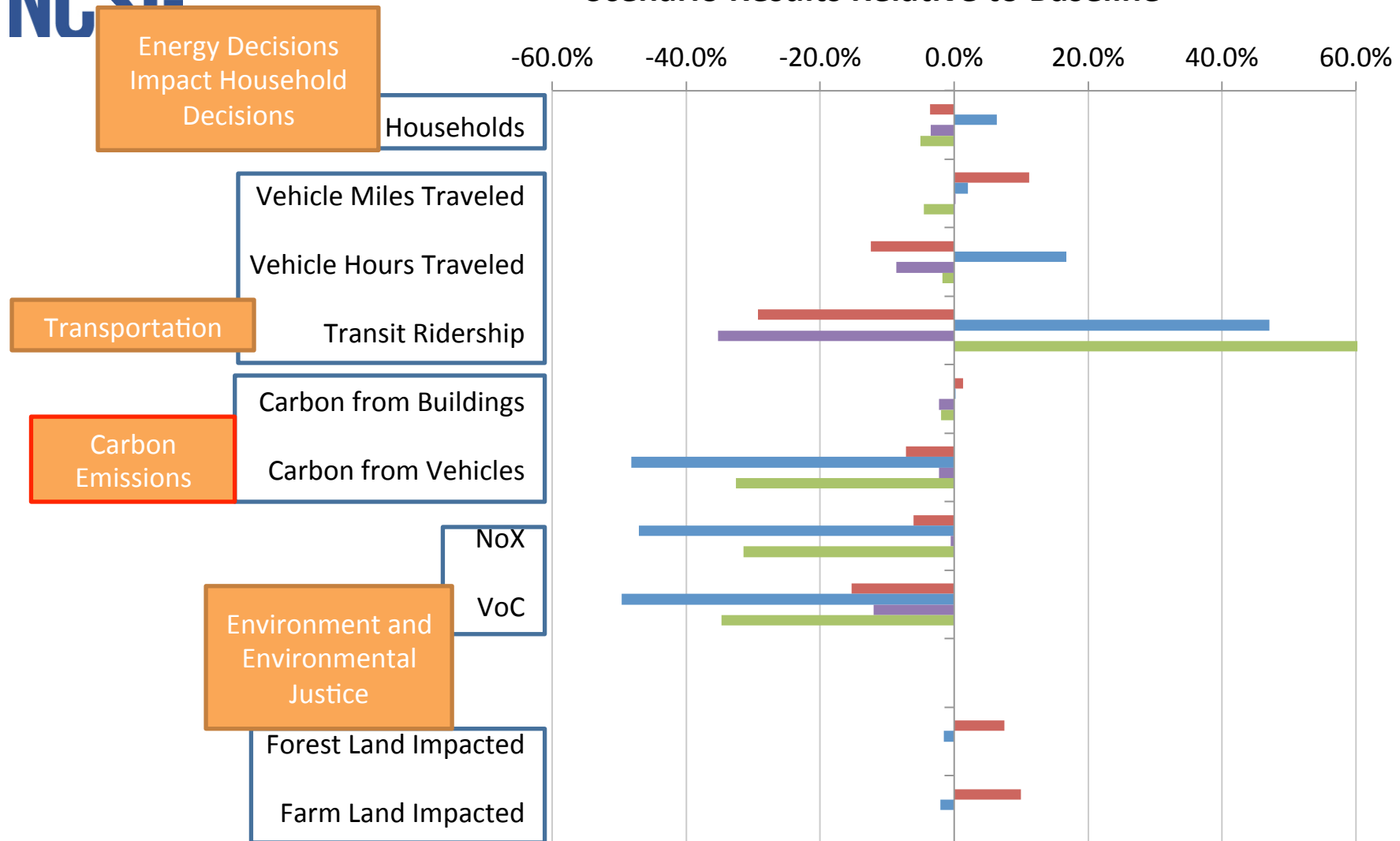
Inputs Relative to Baseline Scenario





Outputs

Scenario Results Relative to Baseline





Toward a New Sustainable Maryland Agenda

1. Accelerate adoption of renewable energy
2. Accommodate new modes of transportation
3. Remove barriers to affordable housing in high opportunity areas; invest in low opportunity areas
4. Target preservation toward ecologically sensitive areas; focus on forests not farms
5. Invest in 21st century workforce
6. Adopt smart city technologies
7. Promote sustainable business practices
8. Protect and enhance ecosystem services
9. Celebrate the arts
10. Promote active lifestyles



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COMMENTS OR QUESTIONS?