

How We Created the MD-GPI

Untraditional Approach

- Governor Supported, but Not High Profile
- Created Working Group: Not Every Agency, but Right People
- Adopted Existing Framework; Easier Politically
- Interactive to Public, Useful for Policy/Budget Analysts



Economic Indicators

Personal
Consumption Expenditures



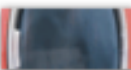
Income Inequality



Adjusted
Personal Consumption



Services of
Consumer Durables



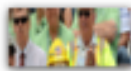
Cost of
Consumer Durables



Cost of
Underemployment



Net Capital Investment



Environmental Indicators

Cost of Water Pollution



Cost of Air Pollution



Cost of Noise Pollution



Cost of Net
Wetlands Change



Cost of Net
Farmland Change



Cost of Net
Forest Cover Change



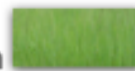
Cost of
Climate Change



Cost of
Ozone Depletion

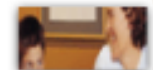


Cost of Non-Renewable
Energy Resource Depletion



Social Indicators

Value of Housework



Cost of Family Changes



Cost of Crime



Cost of Personal
Pollution Abatement



Value of
Volunteer Work



Cost of
Lost Leisure Time



Value of
Higher Education



Services of
Highways & Streets



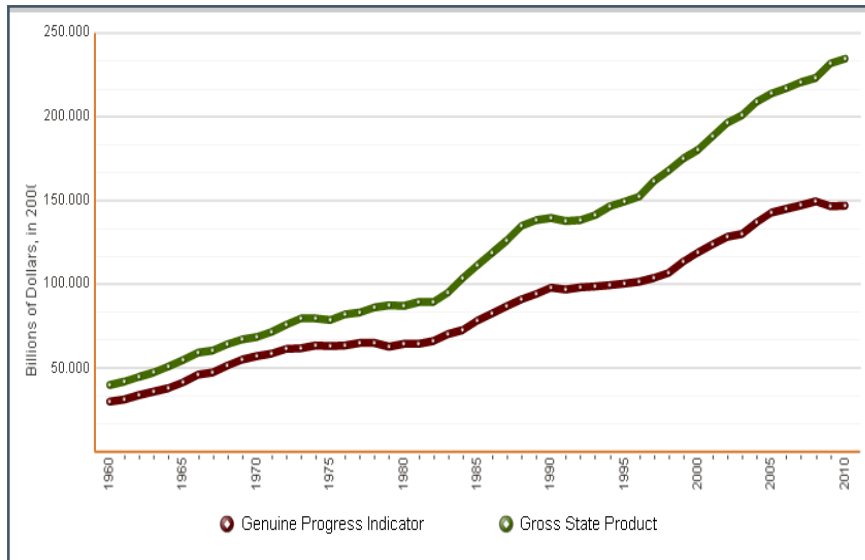
Cost of Commuting



Cost of Motor
Vehicle Crashes



Challenge to State Governments



“If you can’t use it, it’s useless.”

Policy Analysis

Double Ridership on Mass Transit by 2020



Cost of Air Pollution



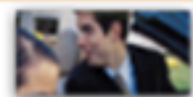
Cost of Climate Change



Cost of Lost Leisure Time



Cost of Commuting

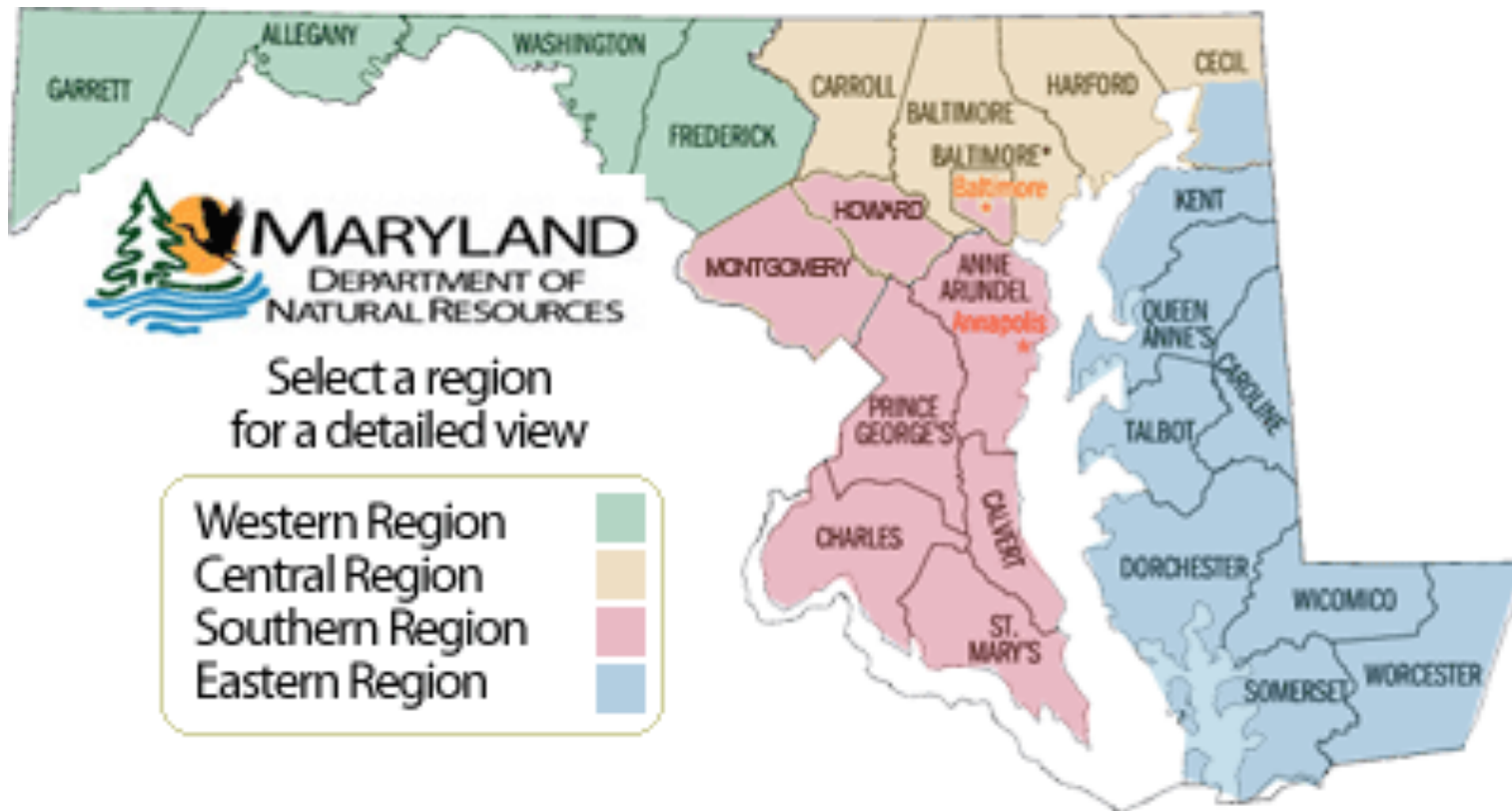


Cost of Motor Vehicle Crashes



Departmental Decision Analysis

Office Consolidation



Project Funding Analysis

Added Values to Restoration Projects

| Project | Partner (Location) | Watershed | State Need | Local Match | Total | N lbs/yr | P lbs/yr | TSS tons/yr | Value-Added Score | Price/Score Ratio (Lower is Better; "State Need") |
|---|--|---------------------|-------------|-------------|-------------|----------|----------|-------------|-------------------|--|
| Scenario 1: Similar Projects; Similar Ratios | | | | | | | | | | |
| Project A | DNR, Dept. of the Navy, Anne Arundel County, CBF | Severn River | \$1,000,000 | \$250,000 | \$0 | 1,379 | 92 | 44 | 16 | \$62,500.00 |
| Project B | South River Federation (Anne Arundel Co.) | South River | \$875,000 | \$310,000 | \$1,185,000 | 1,060 | 199 | 58 | 16 | \$54,687.50 |
| Scenario 2: Similar Projects; Disparate Ratios | | | | | | | | | | |
| Project C | Baltimore Co. | Back River | \$900,000 | \$300,000 | \$1,200,000 | 981 | 645 | 1,343 | 16 | \$56,250.00 |
| Project D | Baltimore Co. | Back River | \$100,000 | \$100,000 | \$200,000 | 719 | 473 | 985 | 15 | \$6,666.67 |
| Scenario 3: Different Projects; Similar Ratios | | | | | | | | | | |
| Project E | Baltimore Co. | Scotts Level Branch | \$200,000 | \$200,000 | \$400,000 | 417 | 65 | 15 | 16 | \$12,500.00 |
| Project F | Baltimore Co. | Scotts Level Branch | \$187,500 | \$62,500 | \$250,000 | 214 | 135 | 23 | 17 | \$11,029.41 |

[illegible]

Unit & Policy Analysis

DNR Value-Added Scorecard Projects

Natural Filters Implement Projects

| PROJECT TITLES (7 Projects) | <u>Economic Benefits</u> | | | | | <u>Environmental Benefits</u> | | | | | <u>Social Benefits</u> | | | | |
|--|--------------------------|--|--|--|--|-------------------------------|--|--|--|--|------------------------|--|--|--|--|
| Horizon Organic Dairy Farm | | | | | | | | | | | | | | | |
| Broad Creek Stream Restoration | | | | | | | | | | | | | | | |
| Plum Creek Stream & Floodplain Restoration | | | | | | | | | | | | | | | |
| Brookview Ponds Restoration | | | | | | | | | | | | | | | |
| Queen Anne's County Non-Tidal Wetlands Restoration | | | | | | | | | | | | | | | |
| Conquest Beach Shoreline Restoration | | | | | | | | | | | | | | | |
| Talbot County Non-Tidal Wetland Restoration | | | | | | | | | | | | | | | |

Land Purchasing & Easements Proposed Projects

| PROJECT TITLES (7 Projects) | <u>Economic Benefits</u> | | | | | <u>Environmental Benefits</u> | | | | | <u>Social Benefits</u> | | | | |
|--------------------------------|--------------------------|--|--|--|--|-------------------------------|--|--|--|--|------------------------|--|--|--|--|
| Zekiah Fort Easment | | | | | | | | | | | | | | | |
| Thurmont | | | | | | | | | | | | | | | |
| Hinegardner Property | | | | | | | | | | | | | | | |
| Walter Property | | | | | | | | | | | | | | | |
| Dyson Property | | | | | | | | | | | | | | | |
| Lake - Easement | | | | | | | | | | | | | | | |
| Campbell - Easement | | | | | | | | | | | | | | | |

Local Government Planning

Economic Development vs. Environmental Protection

