Maryland Commission on Climate Change Adaptation & Response Working Group







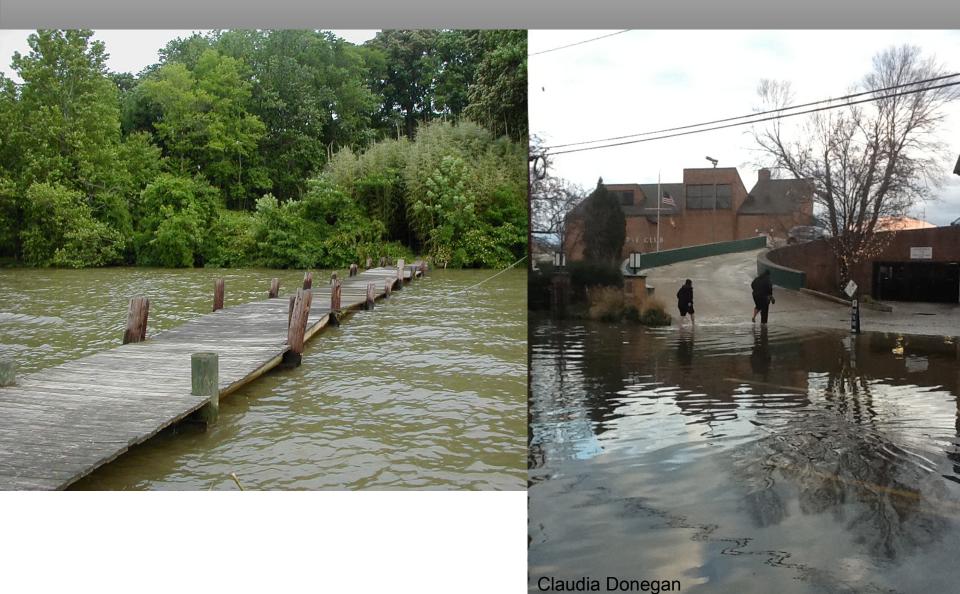
 Charge: Implementing solutions for reducing Maryland's climate change vulnerability

 Membership: 7 state agencies; 2 public sector representatives; 2 MCCC liaisons; numerous technical advisors from across the State.



Access & Infrastructure

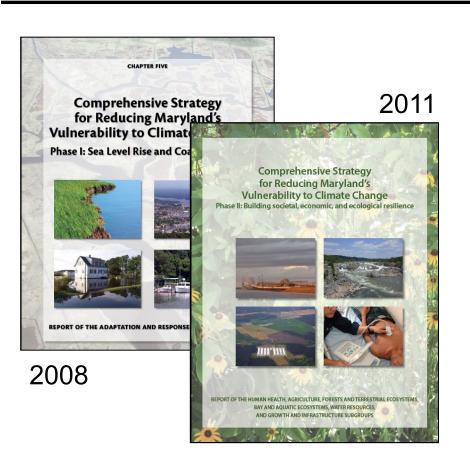


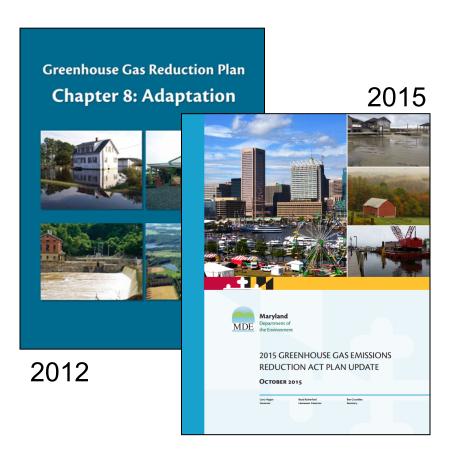




Maryland's Climate Action Plan Adaptation Elements







Climate change will affect all sectors of our economy, society and environment





Sector-Based Adaptation Strategy

MARYLAND
DEPARTMENT OF
NATURAL RESOURCES

Adaptation: Phase I

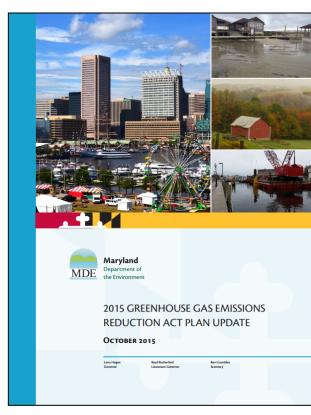
Adaptation: Phase II

Affected Sectors	Climate Stressor	Climate Vulnerability	Adaptation Strategies
Water Resources	Changes in precip.Extreme events	Decreased water supplyIncreased flooding	Create water markets Improve flood control
Bay/Aquatic Ecosystems	Sea level riseIncreased water temp	Increased salinityHabitat loss	Install "living shorelines"Protect critical habitat
Human Health	Increased air temp.Extreme events	Vector-borne illnessHeat-related health effects	Designate "cooling centers"Vector-borne surveillance
Agriculture	Changes in precip.Sea level rise	DroughtSalt-water intrusion	Plant salt tolerant cropsDrought management
Forest/Terrestrial Ecosystems	Changes in precip.Increased air temp.	Disease, FireSpecies shifts	Fire mgmt. and controlInvasive species mgmt
Growth & Infrastructure	Changes in precip.Sea level rise	Increased population growthIncreased flooding	 "Smart" site and building design Retrofit storm water mgmt.
Coastal Zone	Sea level riseExtreme events	Submergence of low- lying landsIncreased coastal flooding	 Protect coastal infrastructure Increase natural vegetative buffers

State-Level Accomplishments



- Transportation Vulnerability Assessment (State Highway Administration)
- Climate Change Vulnerability Assessment and Recommendations (Maryland Port Administration)
- Historical, Archaeological, and Cultural Resources Vulnerability Study (Maryland Historical Trust)
- Higher Regulatory Standards for Floodplain Management (MD Dept. of Environment)
- Review of Current Statewide Building Codes and Recommendations for Enhancement in Coastal Regions of Maryland & "Sustainable Communities" Designation Reviews (Dept. of Housing and Community Development)
- State Hazard Mitigation Plan & State Disaster Recovery Operations Plan (Maryland Emergency Management Agency)
- DHMH: State Climate Change Environmental Health Capacity Building Grant (Dept. of Health and Mental Hygiene)
- Temperature Sensitive Stream Regulations (MD Dept. of Natural Resources)
- CoastSmart Construction Infrastructure Siting and Design Criteria (Multiple Agencies)



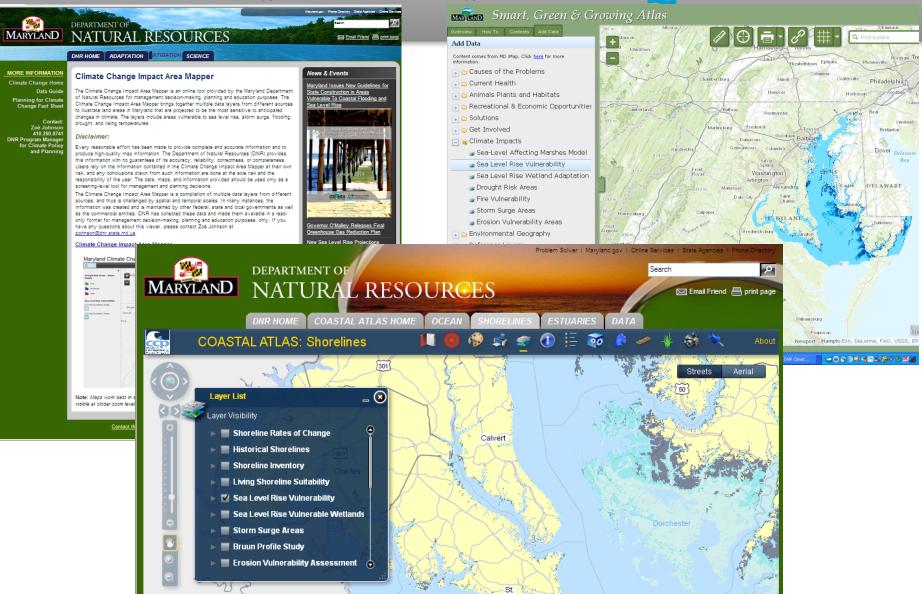
Quarterly Forums to Address Consequences of Climate Change



- **Quarter 1**: Delivering Tools and Assistance for Local Governments
- **Quarter 2**: Impacts on the State's economy, revenues and investment decisions
- Quarter 3: Developing broader public and private partnerships
- Quarter 4: Addressing the challenge that vulnerable communities will likely be disproportionally impacted by climate change

Strategy: Give partners the right tools to plan and adapt



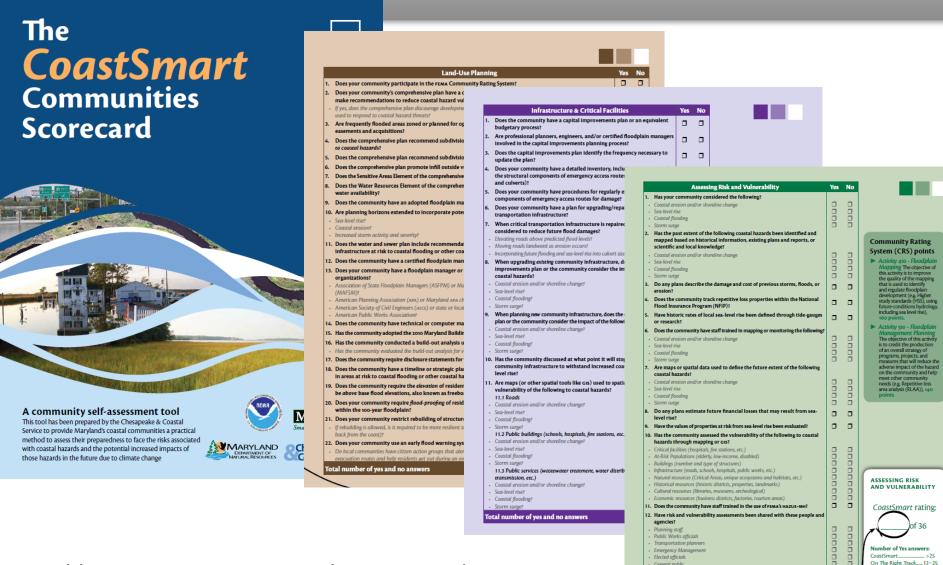


Strategy: Foster & Advise Local-Level Adaptation Planning



Getting Started

Total number of yes and no answers



http://dnrweb.dnr.state.md.us/CoastSmart/scorecard.asp