

Climate Adaptation in Maryland: The Big Picture



Mitigation

Reducing greenhouse gas emissions in order to slow or stop global climate change.

Adaptation

Adjustment in natural or human systems in response to actual or expected climatic stimuli or their effects, which moderates harm or exploits beneficial opportunities.

Sector-Based Adaptation



Adaptation Planning Process

Review state of the science

Assess climate vulnerability

Identify critical information gaps

Consider and prioritize key issues of concern

Explore potential adaptation strategies

Evaluate adaptation infrastructure (institutional framework)

Identify opportunities & mechanisms to affect change


Recommend action strategies (short, medium long-term)

Adaptation Planning: Federal & Regional

Executive Order 13508

Strategy for
**Protecting and Restoring
the Chesapeake Bay
Watershed**

May 12, 2010

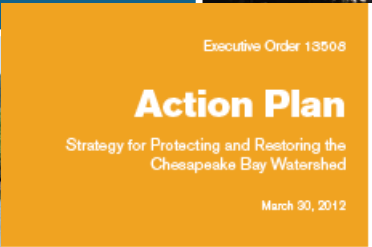
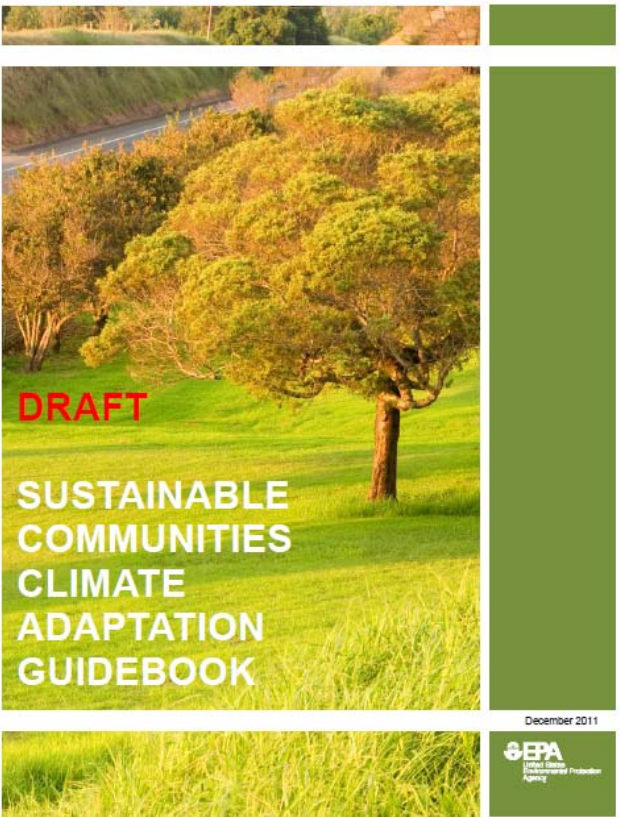


Executive Order 13508


Action Plan

Strategy for Protecting and Restoring the
Chesapeake Bay Watershed

March 30, 2012

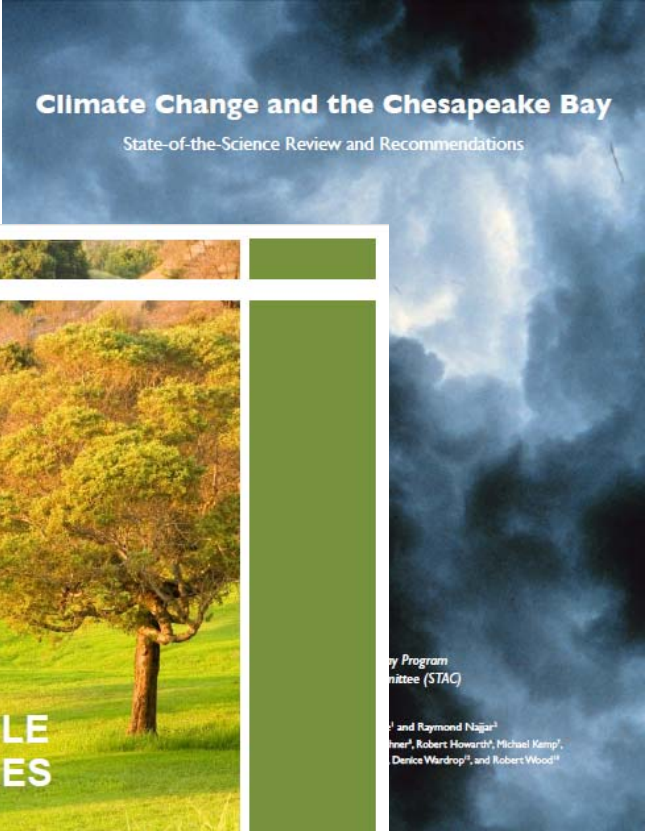
Developed by the Federal Leadership Committee for the Chesapeake Bay



FY2012

Climate Change and the Chesapeake Bay

State-of-the-Science Review and Recommendations



DRAFT

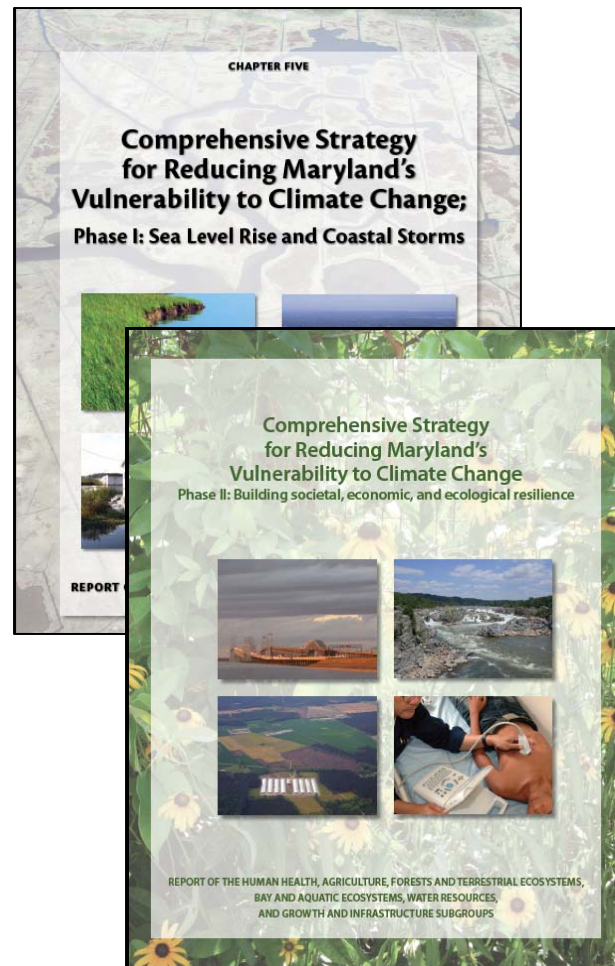
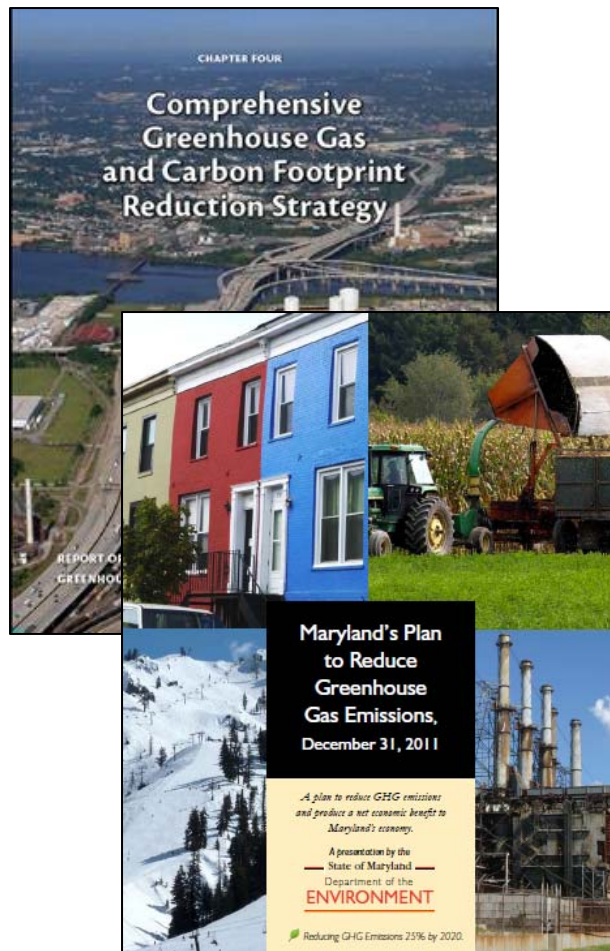
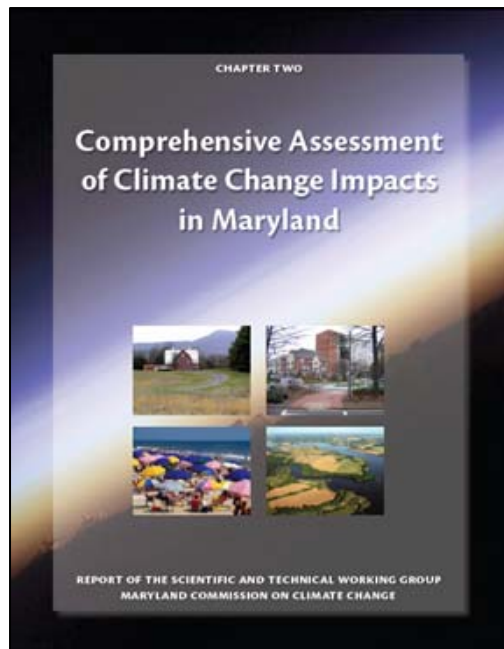
**SUSTAINABLE
COMMUNITIES
CLIMATE
ADAPTATION
GUIDEBOOK**

December 2011

by Program
Committee (STAC)


and Raymond Najar¹
Hester², Robert Howarth³, Michael Kemp⁴,
Denise Wardrop⁵, and Robert Wood⁶

State Level





Local & Community Level

Somerset County, Maryland
Rising Sea Level Guidance

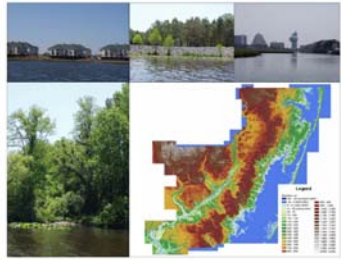



September 24, 2008


Sea Level Rise Response Strategy
Worcester County, Maryland

September 2008

Worcester County, Maryland
Department of Comprehensive Planning

SEA LEVEL RISE: TECHNICAL
GUIDANCE FOR DORCHESTER COUNTY




Wanda Daise Cole
Maryland Eastern Shore
Resource Conservation & Development Council
for
Maryland Department of Natural Resources

REGISTRY


Regulatory Response to Sea Level Rise and Storm Surge Inundation
City of Annapolis, Maryland

October 2011




Environmental Resources Management
200 Mary St. Transit Plaza, Suite 400
Annapolis, MD 21401
www.erm.com

Whitney Bailey Co. & Magnani, LLC
849 Farmington Ave., Suite 100
Baltimore, MD 21286
www.wbcm.com




Financial assistance provided by the Coastal Zone Management Act of 1972, as amended, administered by the Office of Ocean and Coastal Resources Management, National Oceanic and Atmospheric Administration.




Sea Level Rise Strategic Plan
Anne Arundel County

Phase 1 Report:
Vulnerability Assessment


September 30, 2010



Sea Level Rise Strategic Plan
Anne Arundel County



November 2011



Building Resilience: It takes a collective effort



Maryland's Climate Adaptation Network



Climate Science

Monitoring,
Modeling &
Forecasting

Applied Research

Synthesis &
Assessment

Human
Health

Agriculture

Forest &
Terrestrial
Ecosystems

Bay &
Aquatic
Ecosystems

Built-
Environment

Water
Resources

Society &
Economy

Coastal Zone

Adaptation Planning, Policy & Regulation

Federal

Regional

State

Local

Technical Assistance

Scientific &
Technical

Planning & Policy

Training &
Capacity Building

Education/Outreach

K-12

Informal

Higher-Ed

Public
Communications
& Media

Funding

Foundation & Private
Grant Making

Public Grant
Administration

Advocacy

Conservation

Fundraising

Policy

Land & Resource Management

Land Management

Habitat Restoration

Plant & Wildlife
Species
Management

Business & Asset Management

Tourism
Industry

Facility
Management

Environmental
& Planning
Consultants

Service
Provider (i.e.,
insurance
industry)

Maryland's Climate Adaptation Network

