



Maryland Climate Change Commission Scientific and Technical Working Group Status Report



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Working Group Charge

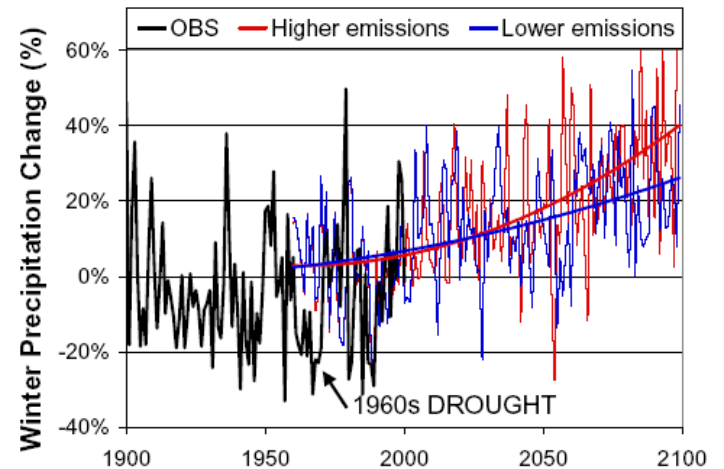
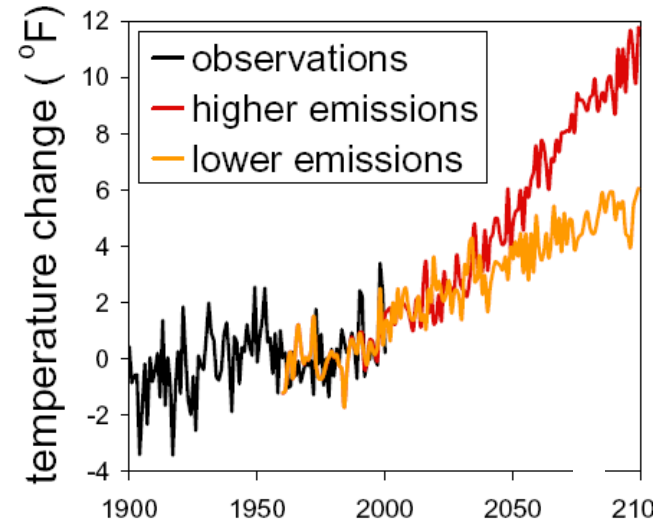
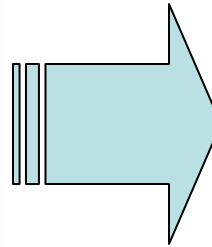
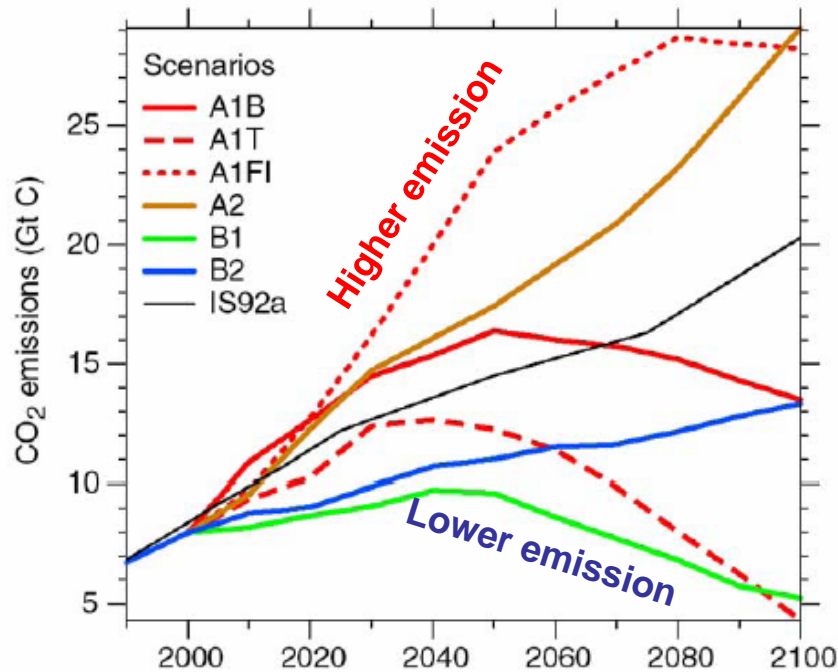
Develop a *Comprehensive Climate Change Impact Assessment*:

- Advise the Commission, as well as other working groups, on the scientific and technical aspects of climate change;
- Investigate climate change dynamics, including current and future climate models and forecasts; and
- Evaluate the likely consequences of climate change to Maryland's agricultural industry, forestry resources, freshwater supply, aquatic and terrestrial ecosystems, and human health



Impact assessment scenarios

Emission Scenarios



- Use unmitigated **A2** and mitigated **B1** scenarios
- Use averages of numerous skillful global climate models
- Dynamic regional models not available



Report Organization

Executive Summary

Introduction to Climate Change and Its Impacts

Approach to a Comprehensive Assessment

Recent and Likely Future Climate Changes in Maryland

Water Resources and Aquatic Environments

Forests and Farms

Coastal Vulnerabilities: Sea-Level Rise and Storms

Chesapeake Bay and Coastal Ecosystems

Human Health Impacts

Implications for Mitigation and Adaptation





Schedule to Completion

- March 19: last full meeting of Working Group; first drafts in hand
- April 4: all remaining draft materials due
- April 22: draft of consolidated report to Working Group
- April 30: comments and edits from WG due
- May 8: review draft to peer reviewers and Commission
- May 19: review comments due
- June 6: deliver Comprehensive Impacts Assessment to Commission