

CBP CLIMATE RESILIENCY WORKGROUP

Future Meeting – Key Action Focus Areas

DRAFT 4/14/16

1. Water Quality and the 2017 Mid Assessment

- Priority: High
- Timing: Immediate
- Steering committee:
- Cross GIT/Workgroup/Organization Collaboration:
 - Water Quality GIT
 - Modeling Workgroup
- Topics:
 - Climate data and information needs
 - Watershed Modeling efforts
 - Policy discussion
 - BMP effectiveness studies
 - Co-Benefits (Coastal Resiliency Benefits of Water Quality Related BMP's)
 - Wetlands
 - Groundwater recharge
 - Priority to connect water quality BMP's with climate change impacts
 - Crosses with implementation and communication to grant applicants

2. Monitoring Needs and Long Term Trend Assessments

- Priority: High
- Timing:
- Steering committee:
 - Avalon Mehta, NWF
 - Sarah Wilkins, CBSSC
- Cross GIT/Workgroup/Organization Collaboration:
 - NOAA Chesapeake Sea Level Sentinel Site Cooperative
 - Maryland DNR/CBNERR (Jenny Allen, Amanda, Jenn Raulin)
 - Gary Berti, Trout Unlimited
 - Habitat GIT
 - Todd Petty
- Topics:
 - GIT/Workgroup Needs
 - Seasonal, Decadal and Future Climate Projection Data and Information Needs
 - Stream trend, brook trout and monitoring in headwater streams
 - Climate impacts on lower order streams
 - Downstream strategies
 - Monitoring pre and post-construction of coastal resiliency projects
 - Important to promote to distribute monitoring results

3. Climate Data and Information Portals

- Priority:
- Timing: Short-term
- Steering committee:

- Darlene Finch, NOAA
- Sarah Wilkins, CBSSC
- Jennifer DeMooy, DE
- Cross GIT/Workgroup/Organization Collaboration:
 - NALCC/AP LCC (Scott Schwenk)
 - Ginny Kreidler, APP LCC
- Topics:
 - Data Portals
 - Web-based tools
 - Climate Projections and scenarios
 - Resources, tools and training information
 - Linkage with Chesapeake Decisions
 - Tools to support decision –making

4. Communications, Outreach, Education and Capacity Building

- Priority: High
- Timing:
- Steering committee:
 - Avalon Mehta, NWF
 - Britt Slattery, MD DNR
 - Coreen Wielminister, MD DNR
 - Bart Merrick, NCBO
- Cross GIT/Workgroup/Organization Collaboration:
 - Kristen Luke – American Bird Conservancy
 - Habitat GIT
 - Atlantic Coast Joint Venture
- Topics:
 - Chesapeake Resiliency News
 - Formal and informal education
 - Stakeholder Engagement
 - Local Government Capacity Building
 - Techniques
 - How to help people sort through information
 - Contractor training on NNBF
 - Tell the story of tidal marsh and waterfowl wintering in the watershed
 - Risk Communication
 - Best Practices

5. Green Infrastructure and Coastal Resiliency

- Priority: High
- Timing: Mid-long term
- Steering Committee
 - Bhaskar Submaranian, MD DNR
 - Chris Becraft, MD DNR
 - Darlene Finch, NOAA
 - Avalon Mehta, NWF
- Cross GIT/Workgroup/Organization Collaboration:
 - Matt Whitbeck, Blackwater NWR
- Topics
 - Comprehensive Planning

- Targeting Tools
- Training, Information and Data Needs
- Financing
- Updates on On the ground project implementation
- Performance metrics and quantification
- Concerns regarding impacts to headwater or low-order stream habitats
- Integrating sub watershed scale green infrastructure with larger green infrastructure network
- Lessons learned from Sandy Projects
 - Design, specs and performance
- Impact of climate change on performance of GI projects (similar to BMP effectiveness study)
- Communication/Success Stories Integration of storm water with larger watershed green infrastructure

6. Research Agenda, Capacity and Needs

- Priority:
- Timing:
- Steering committee:
- Cross GIT/Workgroup/Organization Collaboration:
 - STAC
 - Academic Partners
 - Regional Coordination (LCC, USDA Climate Hubs, Climate Science Centers)
 - SAGE (contact Susan Taylor)
- Topics:
 - Bay-wide littoral drift data needs

7. Ocean Acidification

- Priority:
- Timing:
- Steering committee:
 - Darlene Finch, NOAA
- Cross GIT/Workgroup/Organization Collaboration:
 - Sustainable Fisheries GIT
 - NOAA Ocean Acidification Program
- Topics:
 - State of the Science
 - MD Task Force Recommendations
 - Regional efforts (e.g., NOAA Ocean Acidification Program)
 - Long-term monitoring needs
 - Connect to economy - aquaculture and working waterfronts
 - Connection to water quality impacts and fisheries

8. Climate Change and Diversity

- Priority:
- Timing:
- Steering committee:
 - Regina Poeske, EPA
 - Avalon Mehta , NWF
 - Chris Becraft, MD DNR

- Cross GIT/Workgroup/Organization Collaboration:
 - Diversity Action Team
- Topics:
 - Outreach
 - Targeting Tools

9. Climate Impact Vulnerability Assessments

- Priority:
- Timing:
- Steering committee:
 - Jennifer DeMooy , DE
 - Sarah Wilkins, CBSSC
- Cross GIT/Workgroup/Organazation Collaboration:
 - CBNERR (research and feed-in)
- Topics:
 - Application of climate projections and forecasts
 - Coastal community based-assessments
 - Jurisdictional or site-level assessments
 - Resource-based (e.g., wetland) assessments
 - Site specific assessments
 - Resource based assessments
 - Ecosystem Services of tidal wetlands/coastal habitats

10. Climate Change Indicators and Performance Metrics

- Priority:
- Timing:
- Steering committee:
 - Andrew Wynn, EPA
- Cross GIT/Workgroup/Organization Collaboration:
 - Natural Infrastructure Metrics Workgroup
 - North Atlantic LCC/Climate Metrics Workgroup
- Topics:
 - Ecosystem Response
 - Programmatic Progress
 - How climate change will effects mgmt. actions