

## **CBP CLIMATE RESILIENCY WORKGROUP**

### **Future Meeting – Key Action Focus Areas**

**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