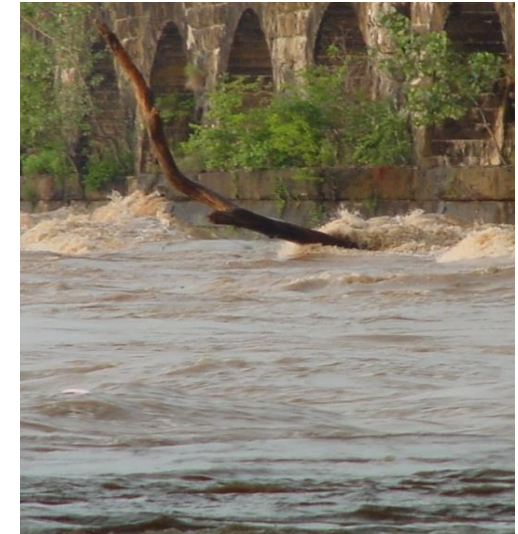


Delaware River Basin Commission

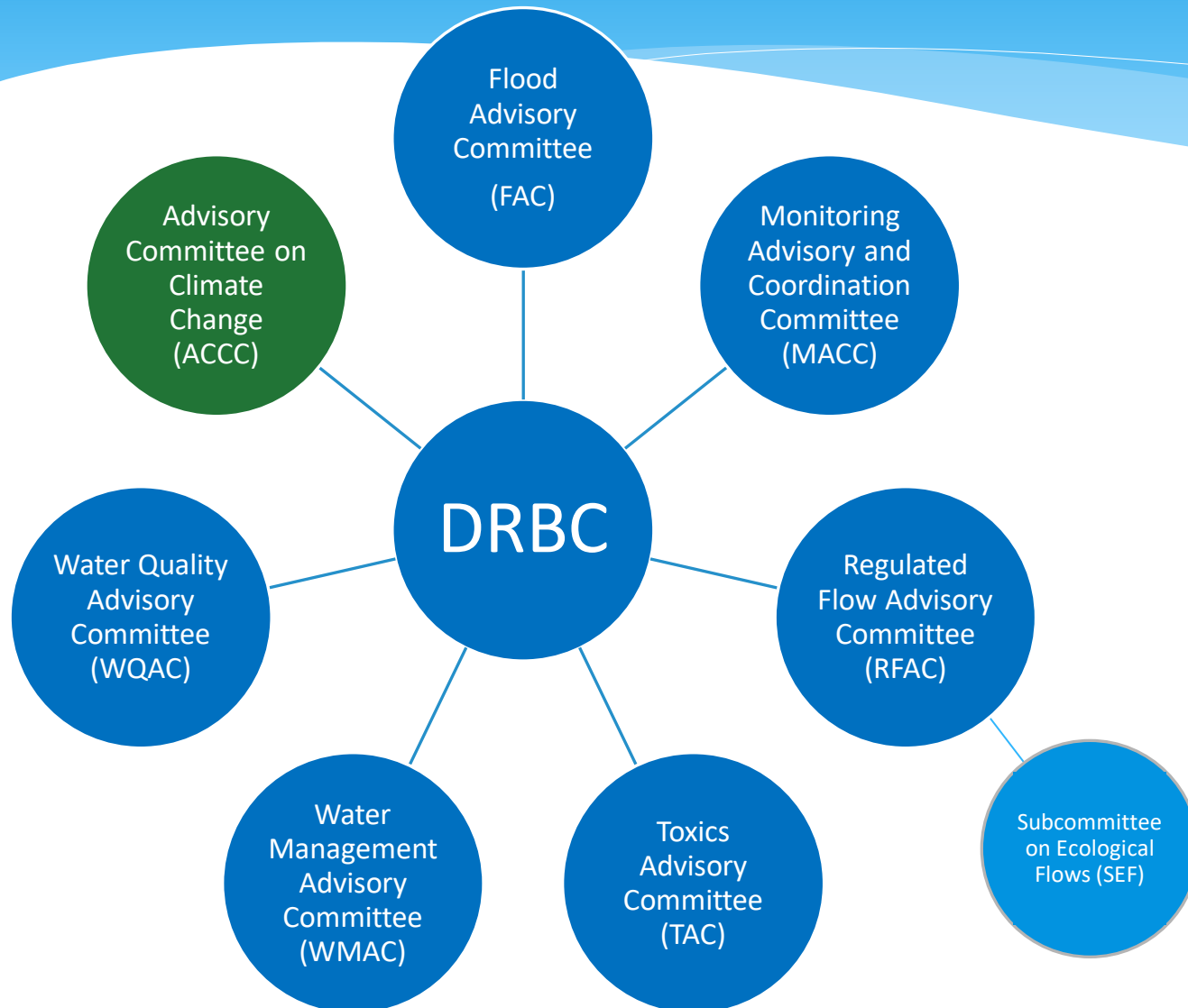
Advisory Committee on Climate Change

*Kristen Bowman Kavanagh, P.E.
Deputy Executive Director*

*January 26, 2022
New Jersey Water Monitoring Council*



DRBC Advisory Committees

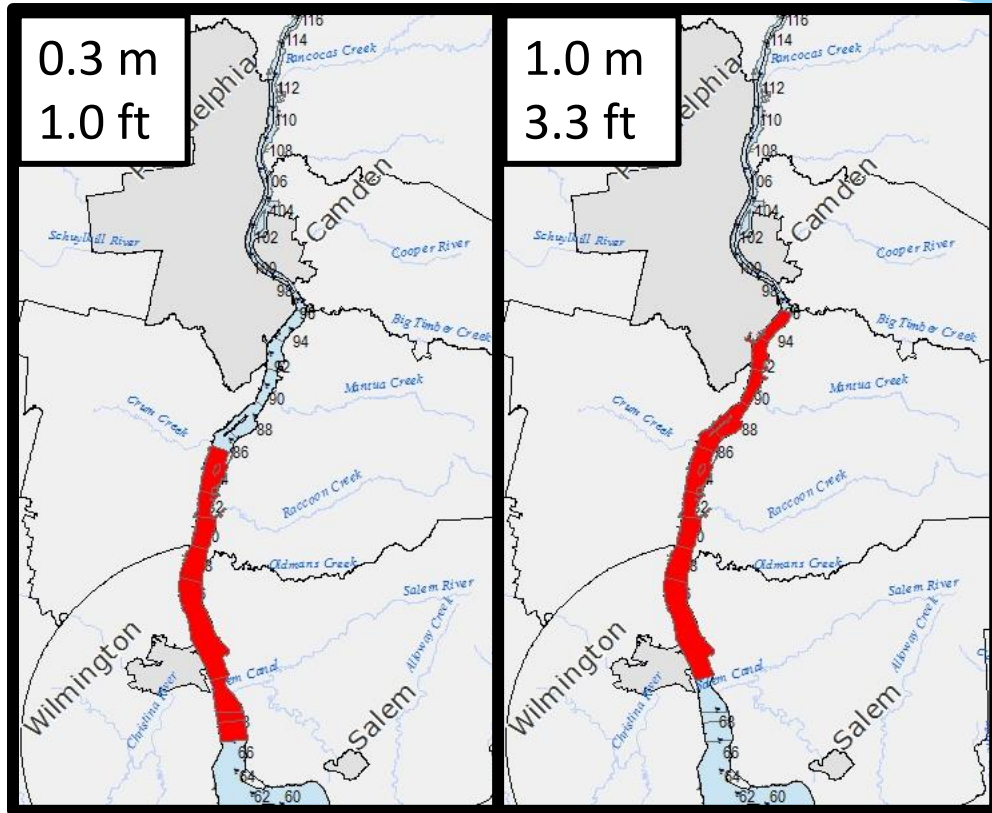


- Section 3.10 of the Delaware River Basin Compact states that the Commission “*may constitute and empower advisory committees*”
- DRBC advisory committees provide a forum for the exchange of information and viewpoints, enhancing communication and coordination

Purpose of ACCC

- Provide scientifically-based information and recommendations to DRBC to identify and prioritize
 - Threats and vulnerabilities to water resources
 - Science based future climate scenarios for water resources planning
 - Planning, monitoring, research and regulations to support mitigation, adaptation, and resiliency
- Serve as coordinating body for climate-related Basin water resource and watershed studies

Why is there a need for the ACCC?



Salt front range at different sea level rise projections

- DRBC is responsible for managing, protecting, and improving water resources in the Basin
- DRBC has recognized potentially significant impacts and threats to the Basin's water resources posed by climate change
 - Observed changes
 - Future changes

ACCC (“AC3”) Structure

- Established by Resolution 2019-8 in December 2019
- Committee consists of eighteen (18) members
 - Individuals actively working on climate change impacts in the Basin
 - Reserved members (9)
 - Appointed by each of signatory states, Federal government (2), PWD, PDE, and NYCDEP
 - Non-reserved members (9)
 - Nominations solicited from stakeholder groups
 - Academic or research institutions
 - Environmental or watershed organizations
 - Businesses or industry
 - Water or wastewater utilities
 - Two-year terms (ending August 3, 2022)
 - Accepting nominations for 2022-2024 starting next week
 - Submit letter of interest and resume/CV

ACCC Reserved Member Appointments

- Delaware (1)
 - * Robert Scarborough, Ph.D.; Division of Climate, Coastal and Energy, DNREC
- Federal (2)
 - * Amanda Babson, Ph.D.; Coastal Landscape Adaptation Coord., NE Region, NPS
 - * Art DeGaetano, Ph.D.; Director NE Regional Climate Center, NOAA
- New Jersey (1)
 - * Nicholas Procopio, III, Ph.D., GISP; Bureau Chief in the Division of Science and Research, NJDEP
- New York (1)
 - * Mark Lowery; Assistant Director in the Office of Climate Change, NYSDEC
- Pennsylvania (1)
 - * Scott Perry; Deputy Secretary, Office of Oil and Gas Management, PADEP
- New York City DEP (1)
 - * Alan Cohn; Managing Director of Integrated Water Management, NYCDEP
- Philadelphia Water Department (1)
 - * Julia Rockwell; Manager of the Climate Change Adaptation Program, PWD
- Partnership for the Delaware Estuary (1)
 - * Danielle Kreeger, Ph.D.; Senior Science Director, PDE

ACCC Non-Reserved Member Appointments

- William Brady III, P.E. – Formerly of Exelon (DE, NJ, PA)
- John Callahan – Associate Scientist, Delaware Geological Survey (DE)
- James Chelius, P.E. – Senior Director of Engineering Asset Planning, American Water (NJ, PA)
- Marjorie Kaplan, Dr.P.H. – Associate Director, Rutgers U. Climate Institute (NJ)
- Upmanu Lall, Ph.D. – Professor, Columbia U.; Director, Columbia U. Water Center (NY)
- Christopher Linn, AICP – Manager of Office of Environmental Planning, Delaware Valley Regional Planning Commission (DE, NJ, PA)
- Howard Neukrug, P.E. – Executive Director, U. Pennsylvania Water Center (PA)
- David Velinsky, Ph.D. – Professor, Drexel U.; Vice President, Academy of Natural Sciences of Drexel U. (PA)

Initial Charges of ACCC

- **Provide input** to inform DRBC studies and models that have climate-dependent inputs
- **Develop science-based future scenarios** for the Delaware River Basin as they relate to climate change
- Define the scope and support development of (and an effort to fund or resource) a **comprehensive Basin-wide climate impact study**
- Assist DRBC in organizing a **Climate Forum**

Actions To Date

- Kickoff meeting August 2020 → ***Next meeting today 2-4 pm***
- March 2021 Climate Change Forum
- Identifying climate change priorities and potential policy actions
- Informing climate change analyses and model inputs
 - Future hydrology with climate change
 - Sea level rise estimates and analyses
 - Flood and drought management
 - Flow management and salinity intrusion
 - Water supply planning

<https://www.nj.gov/drbc/about/advisory/>
<https://www.nj.gov/drbc/contact/interest/>



Courtesy: Chad Pindar