



RASCL ANNUAL SUMMIT

SURF & TURF: IMPLICATIONS FOR FUTURE MANAGEMENT OF OUR LAND AND WATERS

NOVEMBER 15, 2019

Coming Together To Share Information and Resources

Resilient, sustainable communities are the back bone of a thriving state. We are committed to working together to provide technical expertise and support to Delaware communities in order to increase their capacity to adapt, mitigate, and respond to environmental changes, including climate change. Here are today's Summit organizers:

RASCL Steering Committee

Kate Hutelmyer, Partnership for the Delaware Estuary

Jim Pappas, Delaware Department of Transportation

Danielle Swallow, Delaware Sea Grant

Michael Tholstrup, Delaware Department of Natural Resources and Environmental Control

Kaitlin Tucker, Partnership for the Delaware Estuary

Kelly Valencik, Delaware Department of Natural Resources and Environmental Control

RASCL Summit Planning Committee

Tricia Arndt, Office of State Planning Coordination

Ann Gravatt, Delaware Department of Transportation

Brittany Haywood, Delaware Department of Natural Resources and Environmental Control

Kate Hutelmyer, Partnership for the Delaware Estuary

Lisa Locke, Delaware Interfaith Power and Light

Jim Pappas, Delaware Department of Transportation

Danielle Swallow, Delaware Sea Grant

Michael Tholstrup, Delaware Department of Natural Resources and Environmental Control

Kaitlin Tucker, Partnership for the Delaware Estuary

Kelly Valencik, Delaware Department of Natural Resources and Environmental Control

To Participate in Today's Event..



Delivering integrated, sustainable solutions.

Adapting to climate change. Restoring damaged ecosystems. Delivering clean water and renewable energy. We match the complexity of these challenges with the diversity of our expertise and interdisciplinary approach. The result is not just a single solution but an outcome that shapes resilient and sustainable communities and improves lives.

See how we deliver at
aecom.com and [@aecom](https://twitter.com/aecom).

David Athey, P.E.
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- ◆ Use your phone, laptop or tablet to **join today's conversation** through our live Poll Everywhere software. When poll is active simply go to: PollEv.com/rascl959 OR text RASCL959 to 22333 once to join.
- ◆ **Network and connect with our exhibitors during lunch by participating in a Scavenger Hunt** where once completed, you can enter in a raffle to win free prizes!
- ◆ **Provide your feedback** about this event by visiting our survey online:
surveymonkey.com/r/RASCLSummit2019
- ◆ American Planning Association (6), Certified Flood Plain Manager (4.5), and Professional Engineer credit is available for attending. Please contact Kelly.Valencik@delaware.gov or James.Pappas@delaware.gov (*engineer credit only*) for more information.

We Are RASCL



VISION

Vibrant and prepared communities that thrive in the face of changing environmental conditions

MISSION

To accelerate the capacity of all local governments to undertake the necessary steps to become sustainable and resilient

SERVING YOU UP..

The **Delaware Resilient and Sustainable Communities League (RASCL)** provides information, technical assistance, and networking opportunities to a variety of stakeholders to advance the goals of community resilience and sustainability in the State of Delaware. Visit our website to learn more about us, download publications, and access tools such as the Funding Database and the Delaware Climate Information Center: derascl.org

MEMBER ORGANIZATIONS

Center for the Inland Bays
Delaware Center for Environmental Monitoring and Analysis (CEMA)
Delaware Department of Natural Resources and Environmental Control (DNREC)
Delaware Department of Transportation (DelDOT)
Delaware Division of Public Health
Delaware Emergency Management Agency (DEMA)
Delaware Forest Service
Delaware Geological Survey
Delaware Interfaith Power and Light
Delaware League of Local Governments
Delaware Nature Society
Delaware Sea Grant
Delaware Sustainable Energy Utility
Office of State Planning Coordination
Partnership for the Delaware Estuary
The Nature Conservancy Delaware
University of Delaware Coastal Resilience Design Studio
University of Delaware Institute for Public Administration (IPA)
University of Maryland Environmental Finance Center

2019 SURF & TURF SUMMIT AGENDA

8:30	Registration and Check In
9:00	Welcome <i>Danielle Swallow</i> (Delaware Sea Grant)
9:10	Keynote: Working Together to Shape Delaware's Future <i>Connie Holland</i> (Office of State Planning Coordination)
9:30	Panel I – Uncharted Waters and Shifting Sands: Understanding the Need for Managing Change <ul style="list-style-type: none">• The land and water connection – <i>Kristen Travers</i> (Delaware Nature Society)• Land use impacts from sea level and water table rise – <i>Tom McKenna</i> (University of Delaware)• The sand is moving: sustainability issues along Delaware's coast – <i>Jennifer Luoma Pongratz</i> (DNREC Shoreline and Waterway Management Section)• Adaptation action at the state and local level – <i>Jessica Grannis</i> (Georgetown Climate Center) <i>Moderated by Brittany Haywood</i> (DNREC Wetland Monitoring and Assessment Program)
10:30	Break
10:45	Panel II – Serving Up New Land-Use Regulations: A Case Study on the Sussex County Working Group on Wetlands and Buffers <ul style="list-style-type: none">• <i>Edward Bonner</i> (U.S. Army Corps of Engineers)• <i>I.G. Burton</i> (Sussex County Council)• <i>Chris Bason</i> (Delaware Center for the Inland Bays)• <i>Steve Marsh</i> (George, Miles & Buhr, LLC) <i>Moderated by Danielle Swallow</i> (Delaware Sea Grant)
12:00	Lunch – Catered by La Baguette. Grab a scavenger hunt card , network with exhibitors, then enter the raffle to hook yourself a prize. Raffle will be drawn at the end of lunch.
1:00	Invited Speaker: New Castle County Green Initiative: Hook, Line & Sinkers <i>Matt Meyer</i> (County Executive, New Castle County)
1:40	Panel III – Catch of the Day: Fresh Local Stories of Land Use Practices Impacting Delawareans <ul style="list-style-type: none">• Well Done: the DelDOT Glenville wetland mitigation bank – <i>Christie Bonniwell</i> (Delaware Department of Transportation)• Delaware coastal communities: A different type of water view – <i>Evan Miller</i> (City of Rehoboth)• Green infrastructure in a built environment – <i>Tim Filasky</i> (City of Newark) <i>Moderated by Susan Love</i> (DNREC Division of Climate, Coastal and Energy)
2:50	Final Remarks <i>Michael Tholstrup</i> (DNREC Division of Climate, Coastal and Energy)
3:00	Adjourn – Until next time folks. Have a Great Weekend!

Dig into the Details

Keynote Speaker



Working Together to Shape Delaware's Future

Constance Holland

Office of State Planning Coordination

Bio: Connie Holland currently serves as Director of the Office of State Planning Coordination under the leadership of Governor John Carney. In this capacity she directs the Office of State Planning Coordination, which acts as a liaison between State and local governments. Connie was the former director of the Kent County Planning Office responsible for planning, inspections and GIS. She is a member of the National and Delaware Chapters of the American Planning Association (APA) and the Delaware Chapter of the American Society for Public Administration (DAPA). She is a 2010 recipient of the Peter Larson Memorial Achievement Award which was given in recognition of "a portfolio of work which has advanced the profession of planning in the state of Delaware." In 2016 Connie also received the Delaware Association for Public Administration Public Service Award.

Panel I: Uncharted Waters and Shifting Sands: Understanding the Need for Managing Change



The land and water connection

Kristen Travers

Delaware Nature Society

Bio: Kristen Travers, Watershed Stewardship Team Leader for the Delaware Nature Society, has over 25 years of experience communicating watershed science and engaging diverse audiences in stewardship activities and trainings including development of nationally available watershed education materials. She holds a B.A. in Environmental Science from Shippensburg University and M.Ed. in Training Design and Development from Penn State University.



Land use impacts from sea level and water table rise

Tom McKenna, Ph.D., P.G.

University of Delaware

Bio: Tom McKenna a hydrogeologist at the Delaware Geological Survey at the University of Delaware and an Associate Professor in UD's Department of Earth Sciences. He is licensed Professional Geologist and earned a Ph.D. in Geology from the University of Texas at Austin and a B.S. in Geology from Stockton University in south Jersey.



The sand is moving: sustainability issues along Delaware's coast

Jennifer Luoma Pongratz

DNREC Shoreline and Waterway Management Section

Bio: Jennifer is an Environmental Scientist IV with DNREC's Shoreline and Waterway Management Section and is a Certified Floodplain Manager. She has a Bachelor of Science degree from the University of Delaware with a minor in Geology. Her primary responsibilities are enforcing Regulations Governing Beach Protection and the Uses of Beaches.



Adaptation action at the state and local level

Jessica Grannis

Georgetown Climate Center

Bio: Jessica Grannis is the Adaptation Program Director for the Georgetown Climate Center at Georgetown University Law Center where she oversees the Center's work supporting state and local adaptation efforts. She is the author of an Adaptation Tool Kit for Sea Level Rise (2012) and a book chapter on Coastal Retreat in the Law of Climate Change Adaptation (2012). She was previously staff counsel for the California State Coastal Conservancy and the Ocean Protection Council.



Panel I Moderator

Brittany Haywood

DNREC Wetland Monitoring and Assessment Program

Bio: Brittany Haywood is a Communications Specialist within DNREC's Watershed Assessment and Management Section and focuses on connecting wetland science to stakeholders. She holds a B.S. in Biology from James Madison University and is currently pursuing a master's in Geographic Information Systems from Penn State.

Dig into the Details

Panel II: Serving Up New Land-Use Regulations: A Case Study on the Sussex County Working Group on Wetlands and Buffers



Edward E. Bonner, PWS
*U.S. Army Corps of Engineers,
Philadelphia District*

Bio: Ed Bonner is the Regulatory Branch Chief with the U.S. Army Corps of Engineers, Philadelphia District. The Philadelphia District has regulatory responsibilities for eastern Pennsylvania, Delaware and portions of New Jersey. Ed has been with the Regulatory program in Philadelphia over 39 years. During his tenure he has been involved in the regulatory reviews of many projects throughout the State of Delaware.



Chris Bason
Delaware Center for the Inland Bays

Bio: Chris Bason is the Executive Director for the Center for the Inland Bays, a private non-profit organization in Sussex County, Delaware. Chris is from New Castle Delaware and claims the University of Delaware and East Carolina University as his alma maters. For 20 years, he has used a science driven approach to protecting the coastal environment, primarily in the State of Delaware. Since 2004, he has been employed by the Center for the Inland Bays and assumed responsibility for its daily operations in 2012. He lives in Ocean View.



Steve Marsh
George, Miles & Buhr

Bio: Steve Marsh is a Senior Vice President and partner at George, Miles & Buhr in charge of the firm's Site/Sustainable Group. He holds a B.S. and M.S. in Civil Engineering from the University of Virginia with a focus on urban hydrology and hydraulics. His main responsibilities include land development projects, flood studies, and stormwater retrofit projects. He is a frequent guest lecturer at Salisbury University and Morgan State University on water quality issues related to stormwater management and the Chesapeake Bay. When not at work, Steve enjoys spending time with his wife and four children.



The Hon. Irwin G. Burton III
*3rd District Councilman,
Sussex County Council*

Bio: Irwin G. Burton III serves as the 3rd district councilman on Sussex County Council, representing the Broadkill Beach, Ellendale, Lewes, Lincoln, Milford, Milton, Primehook Beach and Slaughter Beach areas. Currently acting as vice president, Mr. Burton served County government and the people of Sussex County before his election to office in 2016, serving previously as a member of the County's appointed Planning & Zoning Commission. A native and lifelong Sussex County resident, Mr. Burton and his family are familiar throughout Sussex County and the greater Delmarva Peninsula, with four generations having operated a prominent and successful auto dealership in the Milford area for more than a century. Now retired, Mr. Burton is no less active in the community, serving as member and chairman of the board for directors for Bayhealth Medical Center, a trustee for the University of Delaware, and formerly as a member of the Delaware Council on Transportation. Mr. Burton is an advocate for managed, responsible growth and counts land-use and economic development among his top priorities. A graduate of Washington College in Chestertown, Md., Mr. Burton and his wife, Jullie, live in Lewes. Together, they are parents to four grown children.



Panel II Moderator
Danielle Swallow
Delaware Sea Grant

Bio: Danielle Swallow is a Coastal Hazards Specialist with Delaware Sea Grant, where she provides technical assistance and outreach on community resilience and emergency preparedness. She is a co-founder of the Resilient and Sustainable Communities League (RASCL) and serves on its Steering Committee. Previously, Danielle served on the technical team that developed Delaware's sea level rise planning scenarios for the Department of Natural Resources and Environmental Control. After completing her master's in urban and environmental planning, Danielle spent over 15 years at the National Oceanic and Atmospheric Administration, specializing in climate policy and marine operations.

Dig into the Details

Invited Speaker



New Castle County green initiative: hook, line & sinker

Matt Meyer – New Castle County

Bio: In 2016, Matt Meyer ran a grassroots campaign to unseat a three-term incumbent as New Castle County Executive. In his first two and a half years in office, Meyer has announced, broken ground or cut ribbons on projects supporting 9,780 jobs. He launched NCC innovates, the most extensive tools to help entrepreneurs start and grow business in county history; GreenNCC, an ambitious agenda to address climate change, preserve open space, bikeable-walkable trails and clean water; and Vacant Spaces to Livable Places, which has reduced the number of vacant properties in unincorporated

New Castle County by over 30%. Meyer has the most ethnically diverse senior staff of any government in state history, including the first African American woman to be Chief Administrative Officer in county history and the first African American Police Chief. His community policing initiatives, Hero Help and the Police Mental Health Alliance, have diverted over 500 individuals facing substance abuse and mental illness from incarceration into treatment. Mr. Meyer is a graduate of Wilmington Friends School, Brown University and University of Michigan Law School. He grew up in Cardiff, off Shipley Road. He has lived in Kenya and served as a U.S. diplomat in Mosul, Iraq during Operation Iraqi Freedom.

Panel III: Catch of the Day: Fresh Local Stories of Land-Use Practices Impacting Delawareans



Well done: the DelDOT Glenville wetland mitigation bank

Christie Bonniwell

Delaware Department of Transportation

Bio: Christie Bonniwell is a Professional Wetland Scientist who has worked for the Department of Transportation's Environmental Studies Section for over six years. Four years ago, she became the program manager for the wetland mitigation program and is currently going back to school for a Bachelors in Engineering to eventually be able to design mitigation sites along with monitoring and overseeing them.



Delaware coastal communities: a different type of water view

Evan Miller

City of Rehoboth Beach

Bio: Evan Miller serves as Projects Coordinator for the City of Rehoboth Beach. His responsibilities include capital budgeting, grant administration, and special project coordination. Evan has a Master's Degree in Public Administration from the University of Delaware (2017) and previously served as an International City/County Management Association (ICMA) Local Government Management Fellow for the Cities of Rehoboth Beach and Milford.



Green infrastructure in a built environment

Tim Filasky

City of Newark

Bio: A 2001 graduate of the University of Delaware, Tim is a Registered Professional Engineer in Delaware. After 10 years as a project engineer on residential and commercial development with Karins and Associates, he took a position as Field Operations Superintendent with the City of Newark in 2013. In 2014 he was promoted to Deputy Director of Public Works and Water Resources and to Director in April 2019, responsible for overall department direction, capital project management, budgeting, and sneaks in some actual engineering when no one is looking. He lives in Newark with his wife and daughter and spends as much time outdoors as possible.



Panel III Moderator

Susan Love

DNREC Division of Climate, Coastal and Energy

Bio: Susan is the Administrator of the Climate and Sustainability Section of the Division of Climate, Coastal and Energy within DNREC where she directs programs to adapt to climate change, mitigate greenhouse gas emissions, and promote sustainable development policies. Susan holds a Master's of Public Administration (MPA) and a Bachelor's of Science in Agriculture, both from the University of Delaware. She also holds an AICP accreditation from the American Planning Association.

Great ideas start with good coffee.

Join us for conversations
on community resilience
and sustainability
in Delaware



Upcoming Coffee Hours *Save the date!*

WEDNESDAY, JANUARY 15, 2020 - DOVER PUBLIC LIBRARY

WINTER 2020 - SUSSEX COUNTY

THURSDAY, MAY 21, 2020 - NEW CASTLE COUNTY

ADDITIONAL
DETAILS AND
FREE ONLINE
REGISTRATION
AVAILABLE AT:
DERASCL.ORG

Please join the Delaware Resilient and Sustainable Communities League (RASCL) for informal and interactive discussions with RASCL partners and members. RASCL partner representatives will be on hand to discuss methods of improving community resilience and sustainable practices to conditions such as coastal storms, sea level rise, and/or climate change related issues.

This event is an opportunity for you to network, ask questions, and exchange ideas on your current community issues and potential mitigation or adaptation project ideas with other participants. Attendees can discuss with our experts methods of developing proposals, finding project partners, and building internal capacity in order to get a project off the ground. Hear about funding and technical resources available to help your community to take action and more! Registration is free but required to participate.

Exhibitors

* Denotes Sponsor

Organization	Programs/Project Titles
AECOM*	Interdisciplinary approaches to adapting to climate change, restoring ecosystems, and delivering clean water
Citizens' Climate Lobby, Lower Delaware	Federal carbon pricing bills, state Renewable Portfolio Standard legislation
Coastal Resilience Design Studio	Bringing stakeholders together to study and respond to issues affecting Delaware's coastlines and coastal communities
Delaware Interfaith Power & Light	Climate Conversations, and resources on energy and small-scale habitat conservation/ stewardship
Delaware Recycles*	Do you know what can and can't be recycled in Delaware?
Delaware Sea Grant	Homeowner's Handbook, a how to guide for safeguarding your family and property from extreme weather and emergencies
Delaware Section of the American Water Resources Association*	Provide a common forum in which anyone working, studying, or interested in the water resources discipline in Delaware can network, learn, and exchange ideas
DNREC– Delaware Coastal Programs	DE National Estuary Research Reserve and DE Coastal Program
DNREC– Division of Climate, Coastal, & Energy	Information on the clean vehicle rebate, weatherization assistance programs, along with other division program information including the Energy Efficiency Investment Fund
DNREC– Shoreline & Waterway Management Section*	Floodplain management and mapping resources including a demo of the Delaware Flood Planning Tool
DNREC– Watershed Approach to Toxics Assessment and Restoration (WATAR)	Christina Brandywine Remediation Restoration Resilience project
DNREC– Wetlands Monitoring & Assessment Program	State of Delaware's ongoing efforts to understand wetlands and their current status
Institute for Public Administration	Complete Streets Planning Toolbox, the resiliency funding database, and other training programs
Office of State Planning Coordination	Annual Report and Strategies for State Policies and Spending
Penn State– Mid Atlantic Combined Heat & Power Technical Assistance Partnership	Provides technical services for on-site power generation and community resiliency planning
RideShare Delaware	Information about the FREE commuter services program of DART First State, under DelDOT
University of Delaware– Center for Disabilities Studies	Promotes emergency preparedness to residents with access and/or functional needs, and their families and providers, through a DEMA Citizen Corps grant initiative
University of Maryland– Environmental Finance Center*	Environmental Finance Center Assistance for Local Communities

2019 RASCL Summit Sponsors

Thank You



AECOM



Delaware DNREC Shoreline & Waterway Management Section
Delaware Section of the American Water Resources Association
Environmental Finance Center – University of Maryland