New York Marine Sciences Consortium

Protecting Our Coastal Environments: The Outlook for Green and Grey Solutions

SUNY Maritime College

October 24, 2015

8:30-9:10  Registration/coffee

9:10-9:30  Welcome and Introductions

Marie DeAngelis, Chair NYMSC: Introduction of SUNY Maritime College President

President RADM Michael Alfultis: Words of welcome

Marie DeAngelis: Introductory remarks

9:30-10:30  Plenary speakers

Anthony Dvarskas, Stony Brook University: "Ecosystem services and green and grey infrastructure: the role of economic valuation"

Jonathan Goldstick, CH2M Hill, Inc.: “Valuing nature’s role in urban coastal resilience: a Howard Beach, NY case study”

10:30-10:50  Coffee break

10:50-11:50  Plenary speakers

Adam Parris, Director of Science and Resiliency Institute at Jamaica Bay: ”Mapping resilience not risk: turning the tide in New York City and Jamaica Bay”

Karen Chytalo, NYS DEC: “Challenges of Marine Habitat Protection Laws for Green Marine Infrastructure”

11:50-1:00  Lunch/poster session

1:00-1:30  Breakout speakers
Philip Orton, Stevens Institute of Technology: “Contrasting surge barrier and nature-based adaptation impacts on Jamaica Bay flood hazards”

Jennifer Mattei, Sacred Heart University: “The stratford point model: green and gray solutions used to restore ecosystem function”

Jennifer Cherrier, Brooklyn College: “Hybrid green infrastructure: a natural solution for coastal water resource sustainability”

1:30-2:00  Breakout speakers

Lynn Bocamazo, US Army Corps of Engineers: “USACE coastal storm risk management and restoration in the greater New York region: gray through green”

John Headland, Headland Associates: “Quantification of resilience for coastal structures and nourished beaches”

Edgar Westerhof, Arcadis: “Grey or green-let’s get it off the screen! Adaptation strategies as drivers for sustainable developments”

2:00-3:00  Formal debate arguing green and grey infrastructure

Moderator: Malcolm Bowman, Stony Brook University
Lynn Bocamazo, US Army Corps of Engineers
Jennifer Cherrier, Brooklyn College
Karen Chytalo, NYS DEC
Jonathan Goldstick, CH2M Hill, Inc,
Philip Orton, Stevens Institute of Technology

*3:00-3:30  Award ceremony for poster competition

*3:00-4:00  Tour of ship

*These two events will occur simultaneously