MARYLAND COAST SMART COUNCIL

Secretary Josh Kurtz, Chair
Maryland Department of Natural Resources

Agenda
Coast Smart Council Quarter 3 Meeting
August 30, 2023 | 12:30pm -1 :30pm

Meeting link: https://meet.google.com/ucc-ksue-iab
Or dial: (US) +1 219-401-0645 PIN: 193 985 110#

I. Welcome, Introductions & Review of Agenda 12:30 - 12:35

Secretary Kurtz (DNR), will open the meeting, call roll and review the agenda.

a. Action: Member approval of May 31, 2023 Meeting Minutes via vote
b. Materials: DRAFT May 31 CSC Meeting Notes

Meeting minutes approved, Ryland will make changes from Jason Wardrup

House of Representatives	Delegate Stein - not present
DBM	Jason Wardrup - here
MDE	Matt Rowe - here
DGS	Spyros Papadimas - here
MDP	Jill Lemke - here
MDOT	Shawn Kiernan - here
Commerce	John Papavasiliou - here
CAC	Erik Fisher - here
MDEM	Jesse Delph - here
MDEM	Vanessa Calaban - here
University System of Maryland	Dr. Peter Goodwin - here
Treasurer's Office	Dereck E. Davis - not here
Charles County Government	Beth Groth - here
Somerset County Government	Mary Phillips - here
BayLand Consultants & Designers, Inc	Sepehr Baharlou - not here
UMD Civil and Environmental Engineering	Greg Baecher - here
GWWO Architects	Chris Elcock - here

II. Coast Smart Council and Critical Area Commission Presentation 12:35 - 12:55

Emily Vainieri (DNR) and *Kate Charbonneau, (CAC)* will give a presentation about the roles and responsibilities of the Coast Smart Council and the Critical Area Commission highlighting differences as well as areas of overlap.

a. Action: Informative talk
b. Materials: Slides
c. Emily: Who, What, Where, Why, CAC
    i. Executive order in 2012: climate change and coast smart construction (policy)
        1. The need: sea level rise and climate change threatening state infrastructure investments in vulnerable coastal areas
        2. Fiscally wise, structurally sound
    ii. What the Council Does: siting, designing, updating
        1. Develop siting and design criteria, consult with DNR and MDOT, publish program document, update as necessary
    iii. Important to make sure that what is in the statute is up to date
    iv. What is subject to the program?
        1. Capital Project
        2. Constructed by state or local
        3. At least $500,000
        4. Funded with at least 50% state funds
        5. Reconstruction or new construction
        6. Vulnerable area - within coast smart siting
            a. Withstand storm surge from cat 2 storm, including elevation at or above cat 2 storm
    v. CS-CRAB: You have to go up 3ft and out in order to determine the boundary for construction
    vi. Digital elevation model, CS CRAB elevation height, third number: CS-CRAB elevation
        1. At what elevation number should a structure be constructed at or above to meet coast smart requirements
    vii. Coast Smart Program Implementation
        1. Self-certifying
        2. Each agency incorporates criteria into their own programs
        3. Waivers can be obtained
d. Charlotte: Connections with Coast Smart
    i. Regulations only apply to state agency projects
    ii. There may be overlap with Coast Smart and Resiliency Requirements
    iii. Climate Resiliency Regulations (COMAR)
        1. Agency must consider the impact of sea level rise over the design life and demonstrate action to reduce the impact
        2. If impacts are unavoidable, demonstrate why, assess what could be enhanced
        3. CAC State Project Submittal Checklist:
            a. Flood risk tolerance, select tide gauge, determine storm and nuisance flood events
            b. Identify FEMA floodplain, Special Flood hazard, Area or CS-CRAB → basically, visualize the potential impacts into the future
            c. Identify design considerations and resiliency projects
            d. Are migration areas impacted? How will that be mitigated? How can natural enhancements be incorporated?

e. Provide public access

B. Questions:
   a. Matt Rowe: Can you talk more about the broader Critical Area Program?
      i. The Critical Area program is set by state regulations, but is implemented at the local level (which is approved by the Critical Area program that sets the minimum standard) so everyone's program can be tailored to fit. Critical area is 1000 ft but the buffer from wetlands is 100 ft.
   b. Sarah Lane: $500k project costs, is that just the cost of construction?
      i. No, it includes: construction, planning, siting, design.
   c. Spyros: If it is a self-certifying program, how can compliance be checked?
      i. There is not a process for this now, but it is the **law. Each agency is responsible for carrying out their duties according to the law.**
   d. Matt Rowe: There is a legislative auto(?) process for reviewing projects
      i. CAC doesn't know what that is, let's find out!

III. Coast Smart in Other States - New York City 12:55 - 1:15

Hayley Elszasz from the New York City Mayor's Office of Climate and Environmental Justice will give a presentation about their Climate Resiliency Design Guidelines. These guidelines are part of a five-year pilot program started in 2021 with the goal of ensuring that new public facilities and infrastructure are built to prepare for climate change.

e. Action: Informative talk
f. Materials: Slides

- Notes:
  - Links are in the chat: https://climate.cityofnewyork.us/initiatives/climate-resiliency-design-guidelines/
  - Shocks vs stressors
  - New York City Panel on Climate Change (NPCC)
    - 20 leading climate and social scientists in the region who conduct specific climate science research
  - Hayley: wants to know how we approach SLR planning and projections
  - Forward looking climate change data supplements historic data already used in building code
  - Full report on resilience: Climate Resiliency Design Guidelines
  - Guidelines address changes in heat, rainfall, and sea level
    - Their table included solar and energy considerations in addition to wet proofing and dry proofing
      - Climate adaptation table for infrastructure
  - Their design process has been iterative
  - LL41(2021)
    - Climate Resiliency Design Guidelines Plots
    - There is a Resiliency Scoring Metric that all projects are expected to meet after December 2016 Guidelines
  - Working with the city and the Panel to continue updating and releasing this publicly

Questions:

- Did Hayley notice overlap between the presentations?
  - Hayley's response: Planning for future SLR? Has CA considered adding any elements about precipitation and heat? Is this an issue for Maryland?
  - Where do Maryland's main sources of climate science come from?

- Josh: we build resiliency with multiple considerations and an interdisciplinary approach to climate change – how do we have the best data? How are we improving on this? How can we implement strong university partners?

- Question: glass blowing out of buildings because of greater winds?
  - Do you accommodate for updated guidelines around buildings and other structures?
  - Hayley: Version 4.1 builds upon 2016 and has integrated new climate science as it becomes available…. Important that design features incorporate many climate impacts including heat and precipitation… wind is not something that is as incorporated
    - Peter: the point is things are changing and we are learning more

IV. Attendee Survey 1:15 - 1:25

Ryland Taylor (DNR) will introduce a mentimeter presentation to survey meeting participants about their role in relation to Coast Smart.

g. Action: Members will complete a survey using Mentimeter on their phones accessed via a QR code or a link.
h. Materials: Mentimeter Survey

This portion of the agenda was skipped and will be postponed until the November meeting.

V. Public Comment, Updates, & Next Steps 1:25 - 1:30

No comments, no members of the public were in attendance today.

Next Meeting: November 29, 2023 12:30-1:30

Ryland Taylor |
ryland.taylor@maryland.gov