



CITY OF DOVER

CLIMATE ADAPTATION MASTER PLAN STEERING COMMITTEE MINUTES – ATTACHMENT A

Meeting Type: Regular Meeting
Meeting Location: 2nd Floor Conference Room, City Hall, 288 Central Avenue
Meeting Date: **April 24, 2017**
Meeting Time: **6:00 – 7:30 PM**

Flip Chart Notes

ACTION ITEMS

- ☐ Review action items from Stewardship Chapter for potential overlap with this group
- ☐ Ask City engineers re: culvert replacement
- ☐ Find out more about the Bay Road bridge project
- ☐ Send actions from Transportation Chapter

Past Projects

- C-RiSe vulnerability assessment
- MIT – engagement
- Preparing for Climate Change (activities)
 - Green infrastructure (community gardens)
 - Regulations
 - Transportation chapter
- Stewardship chapter – overlay
- Freeboard, floodplain ordinance
- Stormwater standards (site plan/subdivision regs)
- PREPA 2016
- CRHC report
- TNC land conservation plan – water resources update (GIS data)
- Multi-hazard plan (SRPC, 2012) → need to update
- Emergency Operations Plan
- Climate Solutions New England work (Cam Wake)
- Utility Stormwater Commission study – impervious surface (2010?)
- Culverts replaced after floods → did they increase size?
- Bay Road Bridge project? Engineering design?



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Climate Topics

<i>Concerns/Challenges/Opportunities</i>	
WATER QUANTITY & QUALITY	• Drought • Increased runoff • Water quality – drinking water and ecosystem health • Salinity issues and aquifers • More frequent floods/extreme events – no infiltration (on top of drought) • Water restrictions/bans ○ City's wells = mostly aquifer ○ Need to adopt enabling provision ○ Engineering firm looking at groundwater levels (current study) • Create green spaces to absorb water, runoff, precipitation, surge, SLR → review TNC data • Septic → shoreland protection – increase setback?
HEALTH & SAFETY	• Heat waves – health risks (esp. vulnerable populations) • Infectious disease • Transportation – evacuation, first responders, connectivity, walkability ○ Resource: Public Health Network; SRPC transportation staff • Air quality (asthma) – from transportation + climate impacts • Species movement (including human migration) • Vulnerable populations – young and old
ENERGY	• Heat waves → cooling demand strains electric grid • Utilities – challenges with variable conditions • Transportation – energy efficiency • Electrical code – update for energy efficiency, resiliency (+ look at other aspects of building code) ○ C-RiSe project looked at utilities ○ Underground utilities – SLR/flooding
FOOD	• Impacts on agriculture (local food production) • Transportation → food supply (shipping)



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	• Opportunities (ag – crops gained?)
NATURAL RESOURCES	• Impacts on forestry • Invasive species • Salt marsh loss/migration • Aquatic species – eelgrass, oysters (disease), horseshoe crabs • Erosion
ECONOMY	• Loss of developable land as a result of flooding • Informing property buyers of risk • Loss and/or gain of economic opportunity? (e.g., restrict development and certain activities due to lack of water; harder to get mortgages in some areas)

Potential actions:

- Create green spaces to absorb water, runoff, precipitation, surge, SLR → review TNC data
- Septic → shoreland protection – increase setback?
- Electrical code – update for energy efficiency, resiliency (+ look at other aspects of building code)
 - C-RiSe project looked at utilities
 - Underground utilities – SLR/flooding

Other:

- Some FEMA grants – only available for replacing failed structures, not proactive?
- Oyster restoration project → water quality