

INVENTORY OF RI STATE AGENCY PROGRAMS & ACTIVITIES RELATING TO CLIMATE CHANGE

| AGENCY | Related Mission/Goals | Planning | Science & Mapping | Regulatory | Assistance | Outreach/ Communications | Projects/ Leading by Example | Coordinates with | Funding Sources |
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| COMMERCE | <ul style="list-style-type: none"> ●identify and take advantage of opportunities to meet both clean energy and economic growth objectives ●program funds into projects that increase renewable energy on the grid and lower ratepayers' electric costs | | | | <ul style="list-style-type: none"> ●Renewable Energy Fund | | | | |
| CRMC | | <ul style="list-style-type: none"> ●Coastal Resources Management Plan, s.145 (2008) ●Ocean SAMP (2010) ●Shoreline Change (Beach) SAMP (by ?) | <ul style="list-style-type: none"> ●CRMP, SAMPs-best available science on historic and projected rates of SLR, impacts on land and marine environments ●SLAMM-simulate 1, 3 and 5 feet SLR scenarios; ID impact areas, adaptation possibilities, develop mitigation and adaptation strategies with resource managers and municipalities | <ul style="list-style-type: none"> ●May '13 CRMP amendments | | <ul style="list-style-type: none"> ●RI Flood Awareness Climate Change Taskforce ●RI StormSmart Coasts | <ul style="list-style-type: none"> ●pilot projects with N. Kingstown and Newport | <ul style="list-style-type: none"> ●DEM, NBNERR ●URI CRC, EDC ●RI Sea Grant ●The Nature Conservancy ●US EPA, Army Corps ●NESCAUM, NROC ●Coastal Community Advocates | |

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| DEM | <ul style="list-style-type: none"> ●protect natural resources, public health, safety | <ul style="list-style-type: none"> ●Comprehensive Wildlife Conservation Strategy ●State Forest Resource Assessment ●RFP for vulnerability assessments of wastewater treatment and major collection facilities (with BRWCT) | <ul style="list-style-type: none"> ●Statewide and regional monitoring/data collection on CC impacts: <ul style="list-style-type: none"> -wildlife population trends -abundance/distribution of fisheries resources -physical, chemical and biological characteristics of freshwater streams ●estuarine resources, incl. saltmarshes (thru NBNERR) ●GHG Inventory | <ul style="list-style-type: none"> ●revised design standards for stormwater transportation and retention system ●LID requirement in stormwater manual ●increased setbacks for on-site wastewater treatment systems ●consider increased bridge height in applications for repair projects ●RGGI-reducing GHG emissions from power plants ●GHG standard for motor vehicles 2009- ●participating in national Renewable Fuel Standard and Clean Fuel Standard programs | <ul style="list-style-type: none"> ●production and promotion of locally grown/harvested food ●risk assessment for Cranston (thru NBNERR, NE Climate Change Adaptation Project) ●Climate Change Vulnerability Assessment Tool for Coastal Habitats (NBNERR) ●Coastal Training Program (NBNERR) ●America the Beautiful grants for urban tree planting ●grants for green storm water infrastructure, BMPs, flood abatement, absorption and aquatic habitat restoration projects | <ul style="list-style-type: none"> ●Comprehensive Wildlife Conservation Strategy ●outreach to design engineers and installers of onsite wastewater systems ●NBNERR Coastal Training Program | <ul style="list-style-type: none"> ●wind turbines and solar systems installed at state parks ●new (re)development projects designed to LEED standards ●acquisition of vulnerable habitat | Northeastern and Mid-Atlantic States (RGGI, TCI, NESCAUM, NROC) | |
| DOA | <i>See also Statewide Planning and OER</i> | ● | - | | | | <ul style="list-style-type: none"> ●energy efficiency in state fleet: all new purchases either electric or hybrid (unless eligible for waiver) ●energy efficiency & renewable energy in state buildings: <ul style="list-style-type: none"> - Green Buildings Act -co-generation @ Pastore complex | | |

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| DOH | <ul style="list-style-type: none"> ●Protect public health & safety, prevent disease ●Respond to Climate Change challenges thru CC & Health Program: <ul style="list-style-type: none"> -heat storms, flooding, SLR -vector-borne diseases -food, drinking water amb. water quality -air quality | <ul style="list-style-type: none"> ●hazard planning & training ●drinking water supply vulnerability project ●elderly emergency response | <ul style="list-style-type: none"> ●hyperthermia surveillance ●literature review re CC impacts on mental health, best practices ●amb. water surveillance/analysis of Watershed Watch data ●Climate & Health Profile Report (by 9/14): measurable impacts ●cyanobacteria surveillance ●pollen surveillance ●mapping vulnerable populations | | | <ul style="list-style-type: none"> ●hyperthermia education for elderly ●hazard planning and training for long-term care facilities ●workshop for state agency workers (ACI, DEM, DOT) ●Lyme Communication Campaign ●vibrio education ●shellfish guidance and education ●rec facilities guidance ●"Faces of Climate Change" | <ul style="list-style-type: none"> ●green stormwater infrastructure projects (with others) | <ul style="list-style-type: none"> ●hospitals, licensed care facilities, trade assocns ●DEA, DEM, EMA, OHCD ●City of Providence ●Brown, URI ●Providence Plan | <ul style="list-style-type: none"> ●CDBG-DR |
| DOT | <ul style="list-style-type: none"> ●help reduce GHG emissions from transportation sector (significant contributor) ●provide, maintain, protect, repair transportation infrastructure ●respond during and after storms | <ul style="list-style-type: none"> ●State Rail Plan (with Statewide Planning) ●Transportation Vulnerability Assessment (N. and S. Kingstown) | <ul style="list-style-type: none"> ●LIDAR mapping | | | <ul style="list-style-type: none"> ●Commuter Resource (with RIPTA) | <ul style="list-style-type: none"> ●expanding commuter rail service (S. County) ●improving pedestrian access to Prov.station ●electric vehicle charging stations ●bicycle path network (50+ miles), Wash. bidge ●congestion relief projects ●highway lighting curfews ●LED lighting | <ul style="list-style-type: none"> ●Climate Change Comm. ●Statewide Planning, OER (State Energy Plan) ●CRMC (Shoreline SAMP) ●LIDAR mapping ●interstate (Climate Change Initiative) ●national (AASHTO) | |

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| EMA | <ul style="list-style-type: none"> state & local emerg. preparedness, response & recovery administer flood insurance program | <ul style="list-style-type: none"> State Hazard Mitigation Plan (April 2014 Update) including mitigation and adaptation in local plans Rhode Map RI (climate change incorporated into growth centers and economic development plan) | <ul style="list-style-type: none"> floodplain (coastal and riverine) mapping | <ul style="list-style-type: none"> local floodplain ordinances building code regs for floodplain development | <ul style="list-style-type: none"> annual grants post-disaster grants incorporating mitigation into recovery projects | <ul style="list-style-type: none"> web site workshops design professionals: incorporate best practices and adaptation | <ul style="list-style-type: none"> works with DOA to ensure best practices and mitigation included in capital improvement projects | <ul style="list-style-type: none"> CRMC, DEM, DOA/Planning, DOH, DOT, Building Code Comm. Municipalities URI/CRC, URI/EDC other universities national associations professionals NGOs | FEMA |
| OER | <ul style="list-style-type: none"> help RI develop affordable, reliable and sustainable energy system reduce GHG emissions by 45% by 2035 while increasing benefits to state and energy diversity reduce GHG emissions by 80% by 2050 | <ul style="list-style-type: none"> State Energy Plan (by ?) planning strategic deployment of resilient energy solutions, incl. microgrids, backup and distributed generation, combined heat & power, energy storage | <ul style="list-style-type: none"> modeling for State Energy Plan | <ul style="list-style-type: none"> Distributed Generation Program regulatory rate reform improving building codes, standards addressing gas leaks | <ul style="list-style-type: none"> expanding financing and investment tools | | | <ul style="list-style-type: none"> New England States (regional clean energy infrastructure, reductions in cost and emissions) DEM, DOT- reduce VMT, promote low-carbon fuels, electric vehicles, public transit | |
| Statewide Planning | <ul style="list-style-type: none"> long range planning for built environment | <ul style="list-style-type: none"> SLR and transportation impacts study economic impacts study (N. Kingstown pilot) local comp plans to address nat. hazards incl. SLR, flooding, etc. | <ul style="list-style-type: none"> 1', 3' and 5' SLR mapping (under review by munis) | <ul style="list-style-type: none"> local comp plans | <ul style="list-style-type: none"> tool for measuring econ. impact guidance for com plans \$ for N. Kingstown pilot CDBG (scoring criteria for proposals include resilience; coordination of projects seeks to maximize mitigation and adaptation) | | | | |

JARGON:

BMPs Best Management Practices (including stormwater)
CDBG Community Development Block Grant
CC Climate Change
CFS Clean Fuel Standard
CRC Coastal Resources Center @ URI
CRMC Coastal Resources Management Council
CRMP Coastal Resources Management Plan (CRMC)
DEM Dept. of Environmental Management
DOA Dept. of Administration
DOT Dept. of Transportation
EDC Environmental Data Center @ URI
EMA Emergency Management Agency

GHG Greenhouse Gas(es)
LID Low-Impact Design
NBNERR Narragansett Bay National Estuarine Research Reserv
NESCAUM Northeast States for Coordinated Air Use management
NROC Northeast Regional Ocean Council
OER Office of Energy Resources
RIFACCT RI Flood Awareness Climate Change Taskforce
RFS Renewable Fuel Standard
RGGI Regional Greenhouse Gas Initiative, northeast interstate, market-based
SAMP Special Area Management Plan (CRMC)
SLAMM Sea Level Affecting Marshes Model (CRMC, DEM, et al.)
SLR Sea Level Rise

XXX = mitigation
XXX = adaptation

future draft can include hyperlinks to web sites, docs