Connecticut Department of Energy and Environmental Protection

Brian Thompson
Office of Long Island Sound Programs
DEEP Adaptation Intersections

Coastal Management: Regulation, Planning, Habitat

Natural Resources: wildlife, fisheries, forestry

Water, Gas, Electric Utility Infrastructure

Municipal Wastewater Infrastructure

Watershed Management: Green Infrastructure, Low Impact Development

Inland Wetlands & Watercourses

Flood Management & Natural Hazard Mitigation

Dam Safety
Resilience Policy & Management Drivers

Physical:
- Coastal flooding and erosion: storms, sea level
- River and stream flooding: Intense rain events
- Habitat alteration
- Power outages

Socio-political:
- Community assistance needs
- Regulatory decision making
- Governor’s Two-Storm Panel
- Legislature & Shoreline Preservation Task Force
Important DEEP Adaptation Programs

Flood Management:
- NFIP
- Natural Hazards Mitigation

Flood & Erosion Control Boards

Dam Safety

Inland Wetlands & Watercourses

Coastal Management
- Coastal Site Plan Review
- Coastal Permitting

Wastewater Treatment Plants
- Facilities Planning
- Clean Water Fund

Watershed Management
- Low impact development & green infrastructure
- Non Point Source Management

## Statutory Changes: 2012

<table>
<thead>
<tr>
<th>Topic</th>
<th>Description</th>
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<tbody>
<tr>
<td>Defined Sea Level Rise</td>
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<td>Consider in the planning process the impact of sea level rise (CCMA)</td>
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<td>Encourages elevation, relocation landward, dunes, living shorelines as “feasible, less environmentally damaging alternative” to flood &amp; erosion control structure (FECS)</td>
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<tr>
<td>Living shorelines are not FECS</td>
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<tr>
<td>Changed state jurisdiction from “high tide line” to “coastal jurisdiction line”</td>
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<tr>
<td>State C&amp;D Plan revisions must consider coastal erosion caused by sea level rise</td>
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### More Statutory Changes: 2013

<table>
<thead>
<tr>
<th>Topic</th>
<th>Details</th>
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<tbody>
<tr>
<td>“Tweaks” to SLR definition</td>
<td></td>
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<tr>
<td>Municipal C&amp;D Plans to consider SLR</td>
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<tr>
<td>Municipal evacuation &amp; hazard plans to consider SLR</td>
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<td>CWF Eligibility implement measures designed to mitigate the impact of a rise in sea level 22a-478</td>
<td>- incorporate into facilities planning</td>
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<td>- Resilience &amp; green infrastructure set aside incentive</td>
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<td>Towns allowed to temporary fortifications 24 hrs prior to hurricane</td>
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<td>Hearings for all on SDF and TW</td>
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<td>Appeal to CASE for flood and erosion control permits denied</td>
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<tr>
<td>COPs</td>
<td>- authorize previously unpermitted pre-95 structures (in substantial compliance with current standards)</td>
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<td>- Mediation for COPs denied</td>
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<td>Best Practices for coastal structures permitting</td>
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<td>Connecticut Center for the Coast, aka .... CIRCA</td>
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Coastal Jurisdiction

PA12-101 changed definition of regulatory jurisdiction line

No more high tide line – now a fixed elevation

Coastal Jurisdiction Line (CJL) = Elevation of the highest predicted tide 1983-2001 referenced to most recent Tidal Datum Epoch published by NOAA in NAVD88.

Calculate yourself, or use
Coastal General Permits Revisions

- Condensing 14 existing GP categories and 6 new activities in 2 broad GPs:
  - Minor Coastal Structures (e.g., 4/40 dock, osprey platforms)
  - Coastal Maintenance (e.g., minor seawall repair, beach grading)
- New:
  - Scientific monitoring devices
  - DOT maintenance
  - Placement of cultch
  - Restoration activities by DEEP
- Expanding existing dock reconstruction GP to all coastal structures (if previously permitted)
Technical & Mapping Resources

- Connecticut Recovers  

- CT ECO  
  [http://cteco.uconn.edu/map_services.htm](http://cteco.uconn.edu/map_services.htm)

- NOAA Coastal Services Center  

- USGS streamflow and tide data  

- VIMS Center for Coastal Resources Management  
  [http://ccrm.vims.edu/index.html](http://ccrm.vims.edu/index.html)

- DEEP Coastal Hazards  

- TNC Coastal Resilience Project  