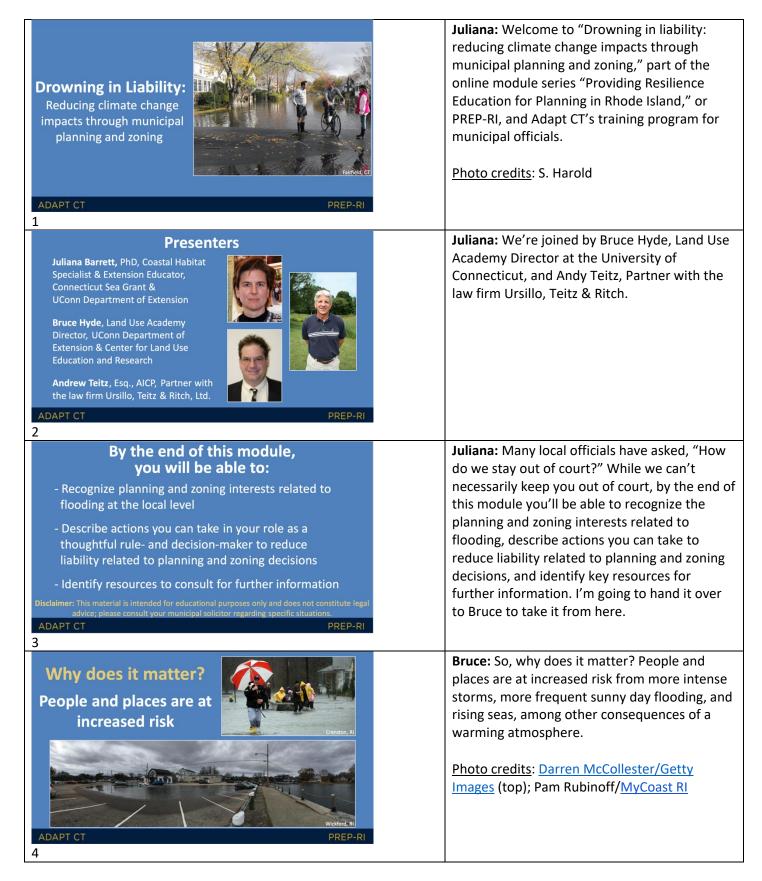
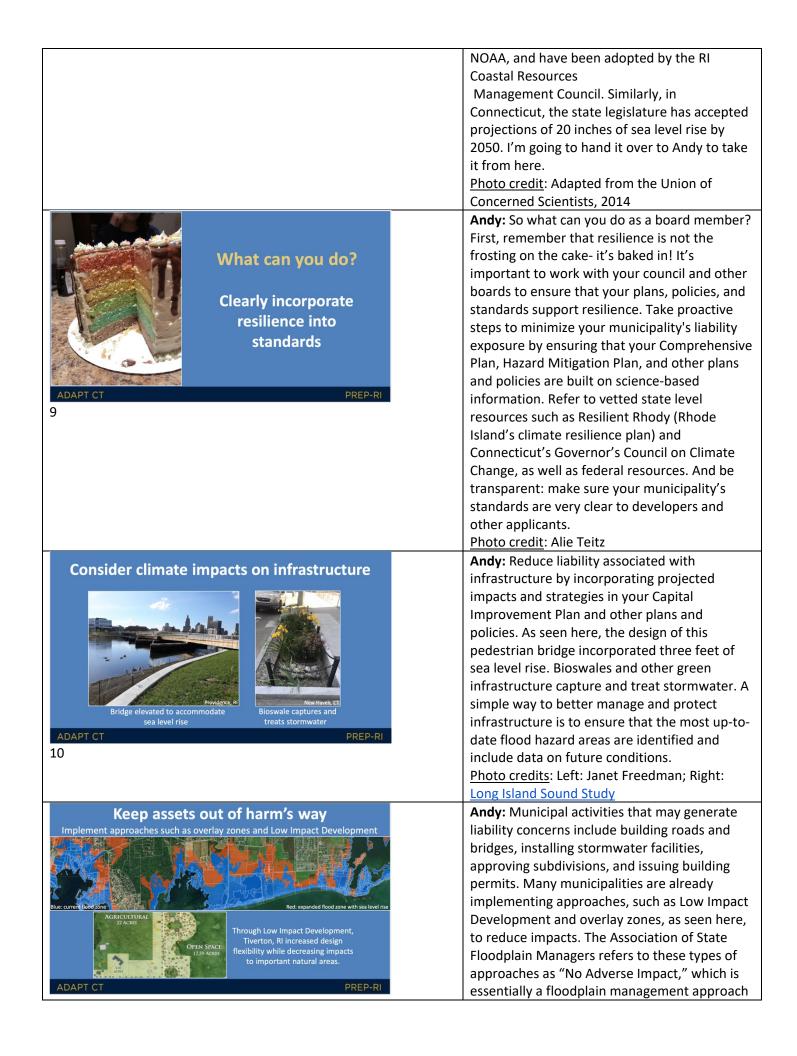
PREP-RI and Adapt CT climate liability module

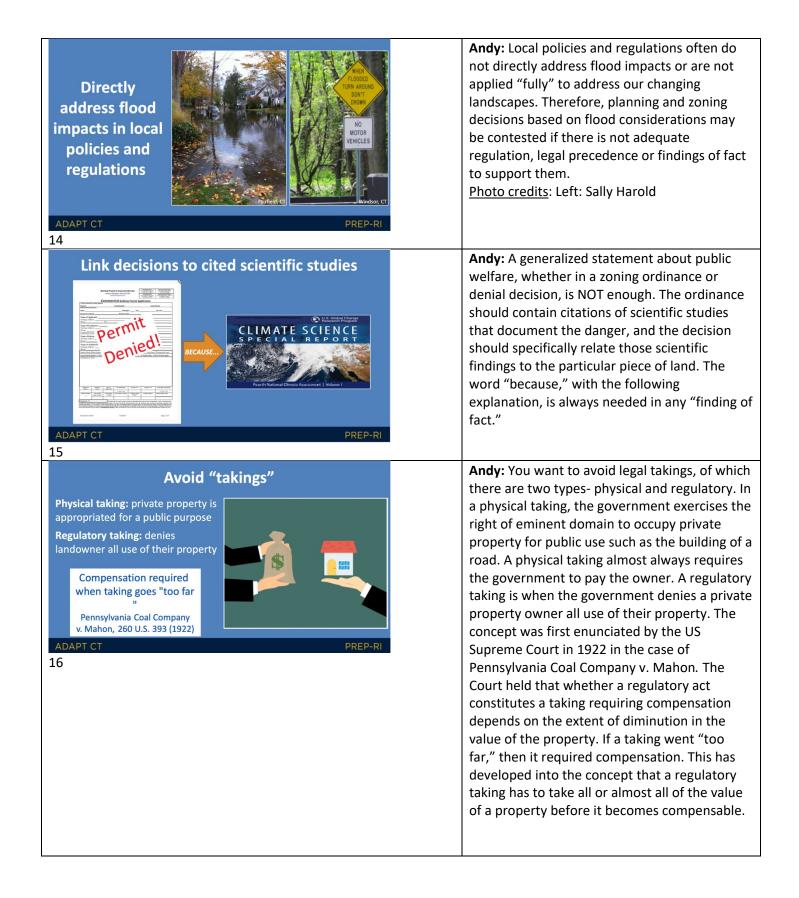
Script (last rev. 05/03/2021)

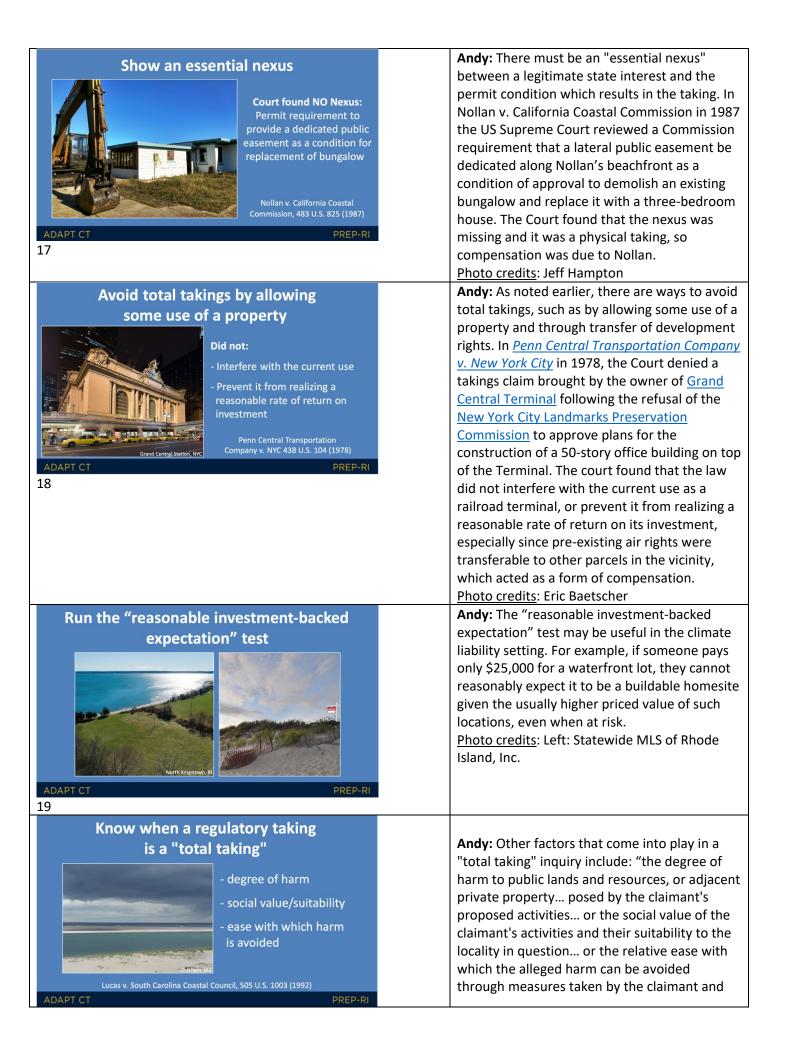


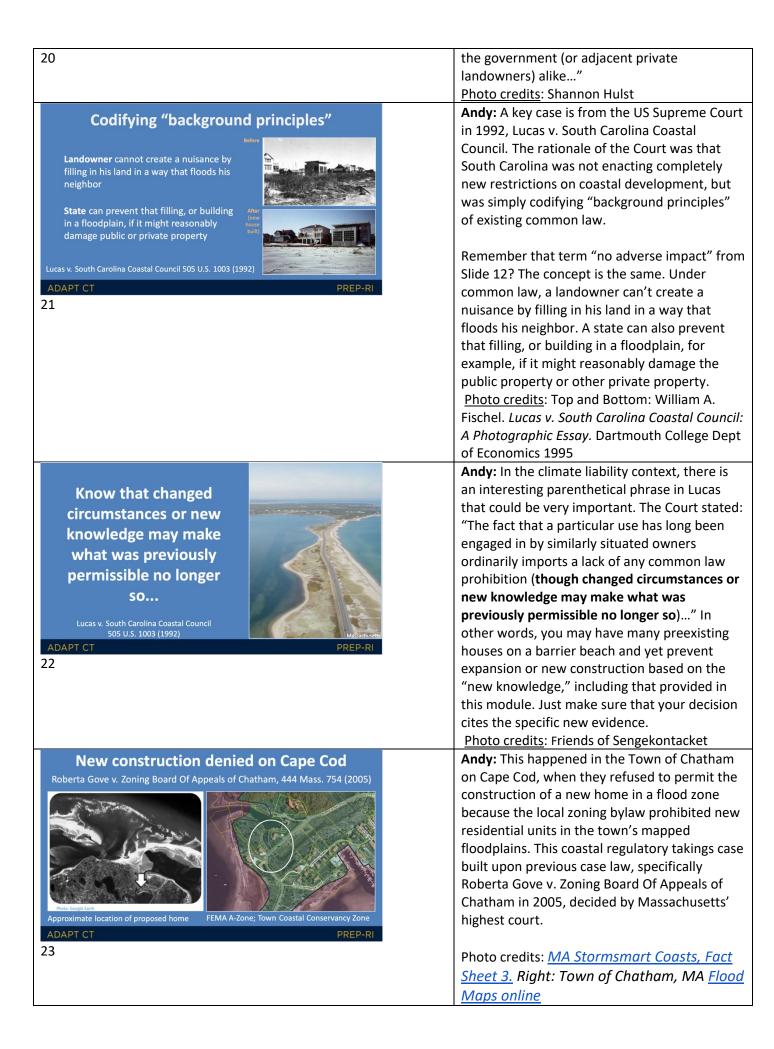
<section-header><section-header><complex-block><image/><image/><image/><image/><image/><table-row><table-row><table-row><table-row><table-row><table-row><table-row><table-row><table-row><table-row><table-row></table-row><table-row></table-row><table-row></table-row></table-row></table-row></table-row></table-row></table-row></table-row></table-row></table-row></table-row></table-row></complex-block></section-header></section-header>	Bruce: These impacts negatively affect properties, municipal infrastructure, and the health and safety of residents and emergency responders. They also affect our local economies and natural resources, both of which are tied to tourism and tax revenue.Photo credits: Left to right: US Army 1st Lt. Zachary West; Brandon Beach/US Army Corps of Engineers; Judy Gray/RI Beach SAMP
<section-header><section-header><image/><image/><image/></section-header></section-header>	Bruce: Local boards make decisions that impact what a community will look like for generations to come. You wear multiple hats: you're visionaries when you're doing long-term planning, you're legislators when creating regulations, and you're decision-makers when approving or denying applications that come before you. Good planning and regulatory practices will become even more critical as conditions continue to change. <u>Photo credits</u> : both photos: Pam Rubinoff
What's happening?Both increased average annual precipitation and heavy rain eventsImage: state of the sta	Bruce: So, what exactly is happening? Warmer air temperatures allow the atmosphere to hold more water vapor. Since 1930 annual precipitation has increased by a dramatic eight inches! Rhode Island and Connecticut are also experiencing more heavy rain events, which are defined as the top 1% of all daily events within a certain time period. A good benchmark for a heavy rain event is a month's worth of rain for a given location falling in one day (in other words, a big event!) In the northeast, such events have increased by 55% between 1958 and 2016. <u>Photo credits</u> : Left: <u>NOAA Climate.gov</u> ; Right: J. Coop
Sea level rise is increasing and acceleratingImage: Sea level riseImage: Sea level riseImage	Bruce: Sea level rise is increasing. We've already experienced almost a foot of sea level rise since 1930 per the Newport, RI tide gauge records. In Connecticut, the rise in sea level is equivalent to over 11 inches in 100 years. Sea level rise is also accelerating, negatively affecting coastal environments, public and private property, infrastructure and community support systems. In Rhode Island, we can likely expect an additional three feet of sea level rise by 2050, and over nine feet by 2100. These projections are defined by the National Oceanic and Atmospheric Administration, or



11 Move assets out of harm's way Managed Transfer of Development Rights Managed retreat Managed Programs Voluntary buyout programs PREP-RI 12	that ensures that no actions adversely impact the property and rights of others. Their research shows that communities that use the "no adverse impact" approach can decrease the potential for successful liability suits against them. Also be sure to explicitly state the flood risk findings in your zoning and land use decisions.Photo credits: RI Transfer of Development Rights ManualAndy: Other tools include voluntary buyout programs, managed retreat, and Transfer of Development Rights, or TDR. Voluntary buyout programs, often funded in part by federal monies, remove houses and other structures from flood zones to restore the land's natural functions and values while protecting property owners from harm. Such programs have been implemented in both Rhode Island and Connecticut. Managed retreat is similar to buyout programs but at a larger scale; it's essentially the strategic relocation of development community-wide to manage risk. This is very similar to TDR, for which there is State enabling legislation. TDR directs development away from environmentally sensitive "sending" areas and into "receiving" areas that have less flood risk. Photo credits: Left to right: RI Transfer of Development Rights Manual; Pam Rubinoff; E. Krugel
Courts have broadly supported restrictive regulations based on public safety, nuisance prevention, public trust, and other concerns	Andy: Municipalities have prevailed in regulatory takings cases, which I'll define in a minute, when the denial of use is based on public safety, nuisance prevention or offsite impacts. Examples might include the condemnation of unsafe buildings, removal of trees infected with a pathogen, or restricting access to a dangerous area such as land in the path of a potentially life-threatening flood. <u>Photo credits</u> : C. Agrella









be as specific as possible with the required conditions and ensure that they support resilience. And treat similar properties similarly to avoid takings claims.

