



# *Rhode Island's Municipal Resilience Program*

New England States Government Finance Officers  
Association Annual Training

April 2022

Sue AnderBois, Climate & Energy Manager

[Susan.AnderBois@tnc.org](mailto:Susan.AnderBois@tnc.org)



Our mission is to conserve the lands and waters on which all life depends.

To achieve this, we must boldly address the

**biodiversity** and **climate crises.**

By maximizing our ability to affect change between now and 2030, we can shape a brighter future for people and our planet.



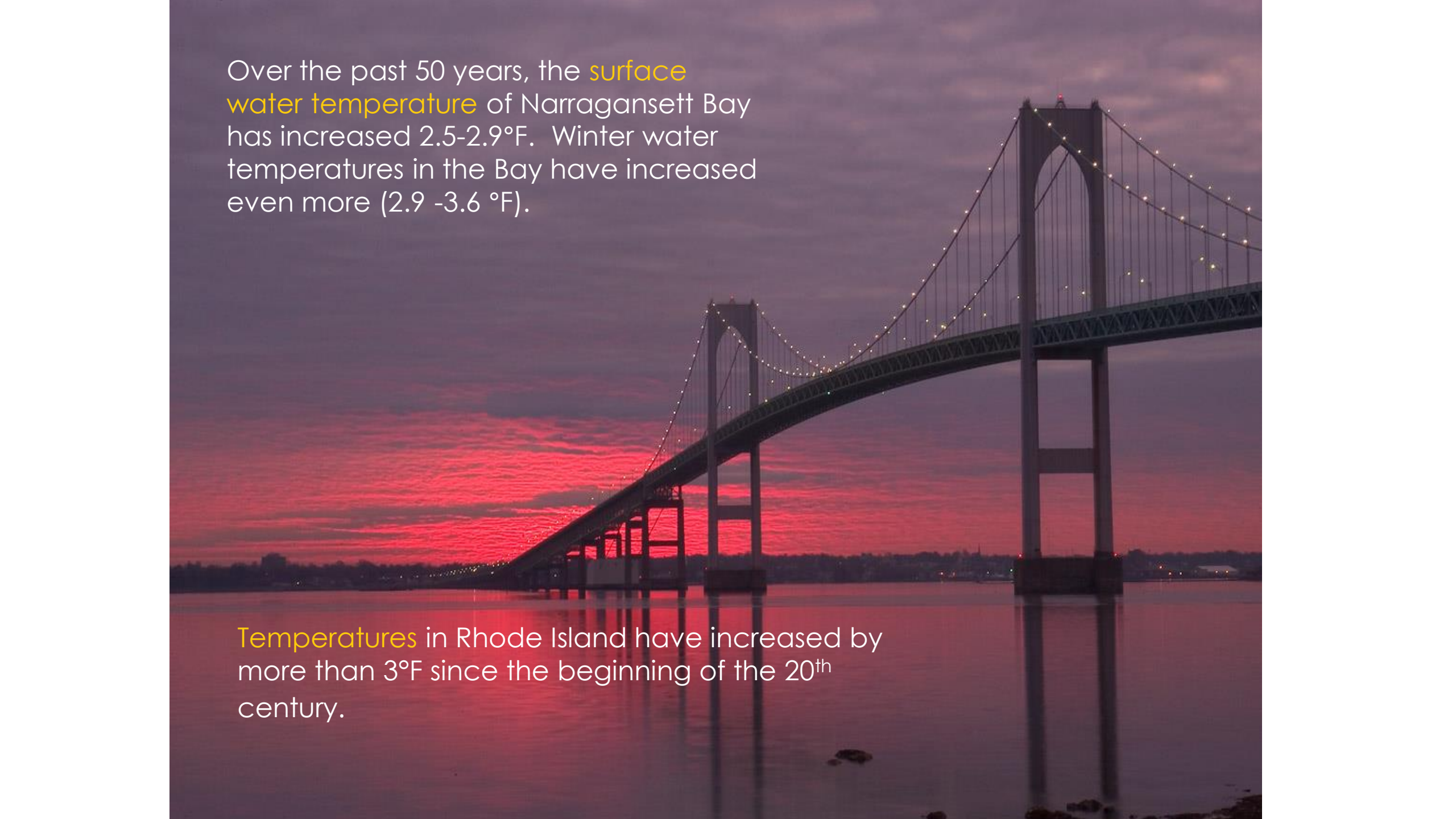
Protecting nature. Preserving life.



Westerly inundated with flood waters in 2010

## RHODE ISLAND MANIFESTATIONS OF CLIMATE CHANGE

- 1** Sea Level Rise
- 2** Warming Air Temperatures
- 3** Warming Water Temperatures
- 4** Storm Frequency And Intensity
- 5** Changing Biodiversity
- 6** Precipitation and Inland Flooding



Over the past 50 years, the **surface water temperature** of Narragansett Bay has increased 2.5-2.9°F. Winter water temperatures in the Bay have increased even more (2.9 -3.6 °F).

**Temperatures** in Rhode Island have increased by more than 3°F since the beginning of the 20<sup>th</sup> century.



**Intense rainfall events** in New England have increased 71% since 1958. RI's average annual precipitation has increased more than 10 inches since 1930.



**Sea levels** have risen 10 inches in RI since 1930 (Newport tide gauge). Updated NOAA predictions (Jan. 2017) put sea level rise in RI at close to 1 ft. by 2030 and upwards of 9 ft. by 2100.



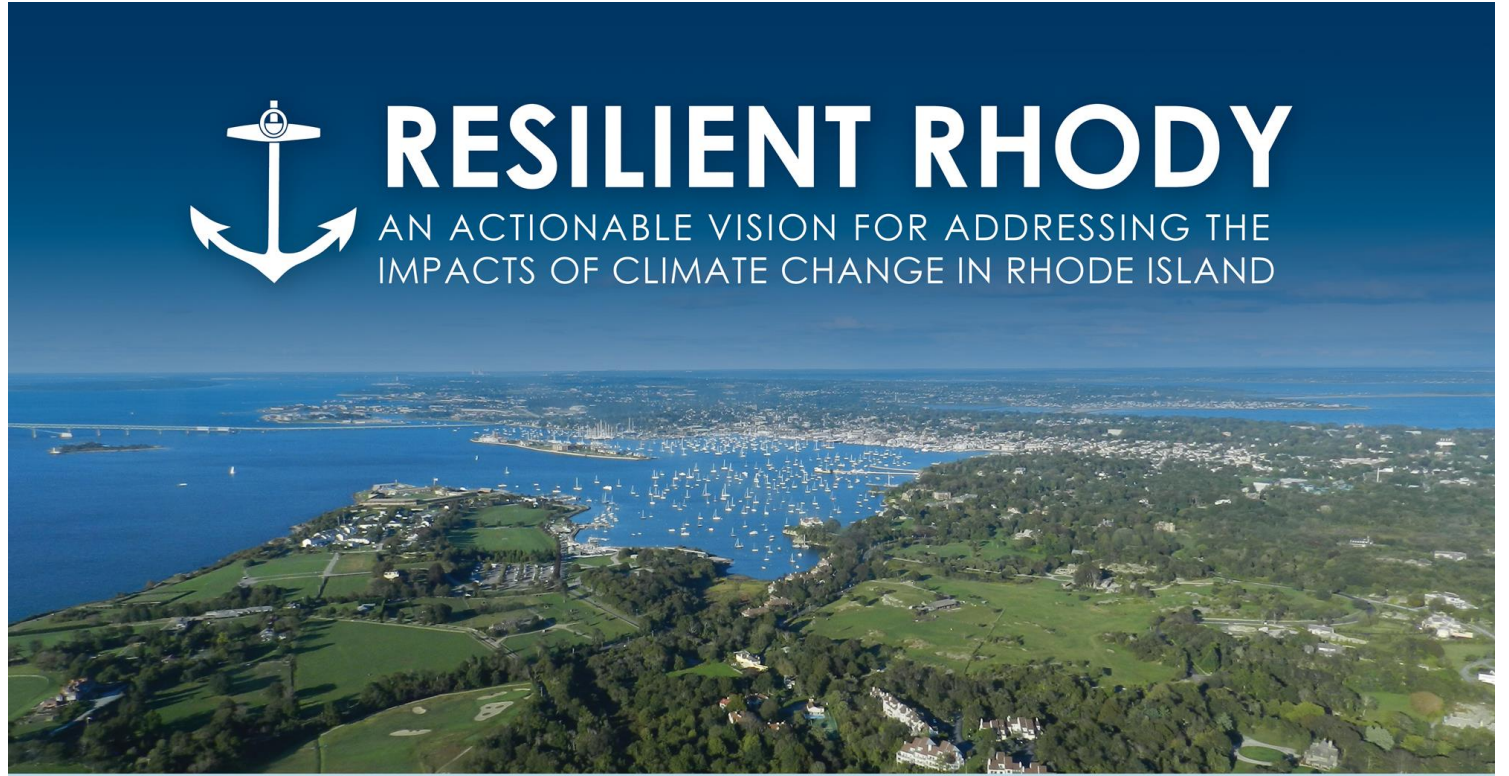




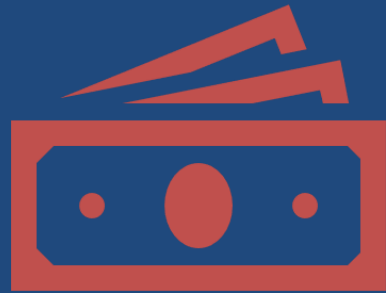


# RESILIENT RHODY

AN ACTIONABLE VISION FOR ADDRESSING THE IMPACTS OF CLIMATE CHANGE IN RHODE ISLAND



Aerial view of Newport and Narragansett Bay, photo from Robinson R44 Helicopter by Michael Kagdis, courtesy of Wikimedia Commons



How much \$ do you need?



What would you do with it?



# Workshop Objectives

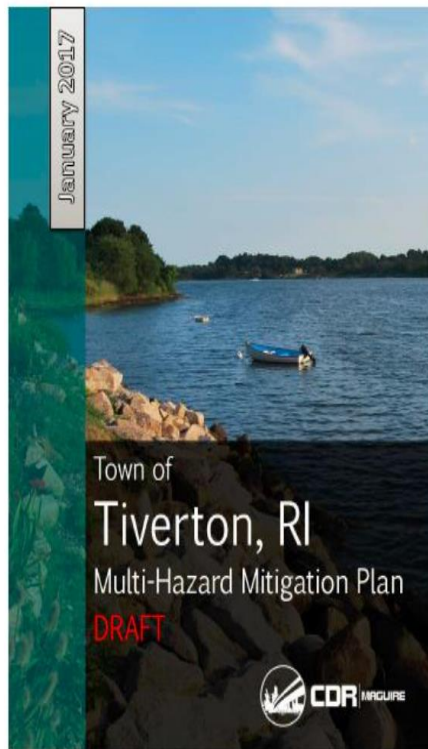
- ✓ Understand **connections** – ongoing issues, hazards, and activities in each town.
- ✓ Identify **strengths & vulnerabilities**.
- ✓ **Identify priority actions** to improve resilience.
- ✓ Opportunities to **advance priority actions**.

# Tiverton Maps

## Local HMP (2017) & Comprehensive Plan (2018)

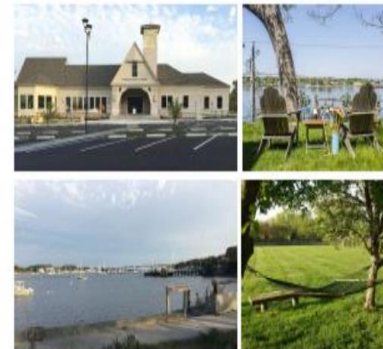
Maps are numbered in the order of presentation to assist with quick reference in the survey & workshop

TOWN OF TIVERTON HAZARD MITIGATION PLAN- JANUARY 2017



Town of Tiverton  
Rhode Island

## COMPREHENSIVE COMMUNITY PLAN



APPROVED BY THE TIVERTON PLANNING BOARD  
JULY 27, 2017  
ADOPTED BY THE TIVERTON TOWN COUNCIL  
APRIL 30, 2018





## **Process and outputs:**

- Small group breakout exercise
- Report out to the larger group
- Large group discussion

## **Key Questions for Breakouts**

- Top strengths of your community? Programs, projects, policies, etc.
- Top vulnerabilities of your community? Places, groups, challenges, etc.
- Top priority actions for your community to work on going forward?
- Infrastructure, Societal/Public Health, Environment

The Nature  
Conservancy



Years 1-2:  
\$2.5 million

2020 Bond:  
\$7 million

2022 Bond:  
\$16 million





WHAT'S  
NEXT?