

NOAA's Eastern Region Climate Services Webinar Series January 31, 2023 LuAnn Dahlman - NOAA Climate Program Office

The Federal Government is Building a Climate-Ready Nation

The Biden-Harris Administration is making climate action a priority

EO 14008
Tackling the
Climate Crisis
at Home
and Abroad

- increase resilience to the impacts of climate change
- ensure that federal infrastructure investments reduce climate pollution
- deliver environmental justice

The Federal Government is Building a Climate-Ready Nation

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The country is making historic investments in infrastructure

Bipartisan Infrastructure Law

\$1.2 trillion

- Transportation
- Water
- Energy
- Broadband



\$740 billion

- Energy tax credits
- Clean energy loan guarantees
- Advanced vehicle technology



A screening tool to help community leaders and grant officers recognize local exposure to current and future climate hazards

https://resilience.climate.gov



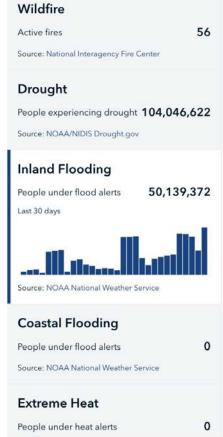
toolkit.climate.gov

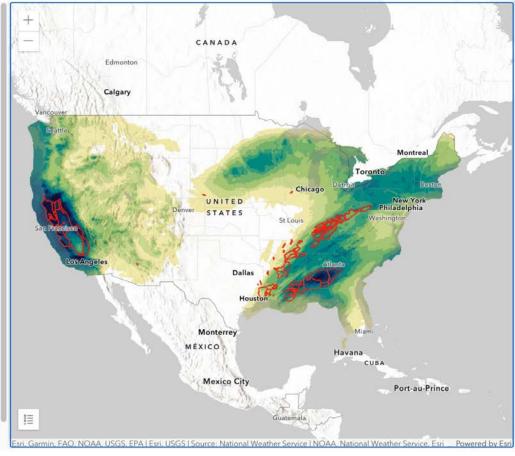
Steps to Resilience framework

Understand Exposure
 Assess Vulnerability & Risk
 Investigate Options
 Prioritize & Plan
 Take Action

Climate-related hazards are affecting U.S. communities every day. View real-time statistics and maps documenting where people, property, and infrastructure may be exposed to hazards. Click any hazard below to display its associated map. Click areas of interest on any map for more information.

Screenshot from Jan 5, 2023

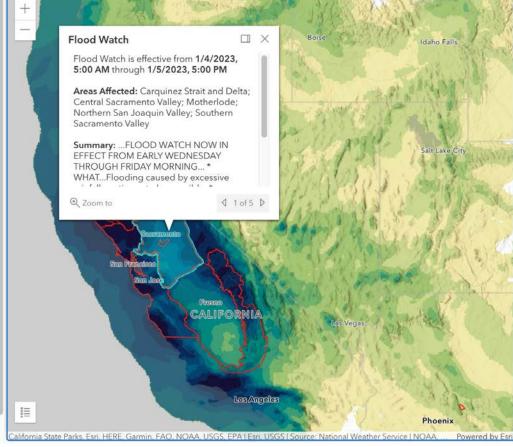




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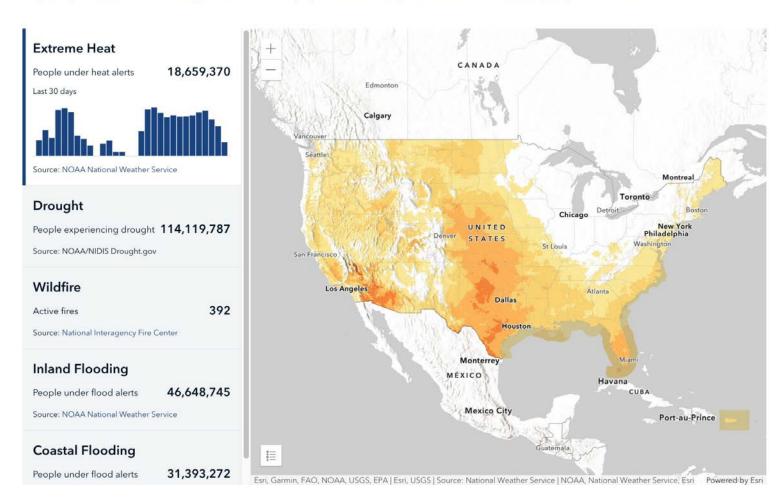
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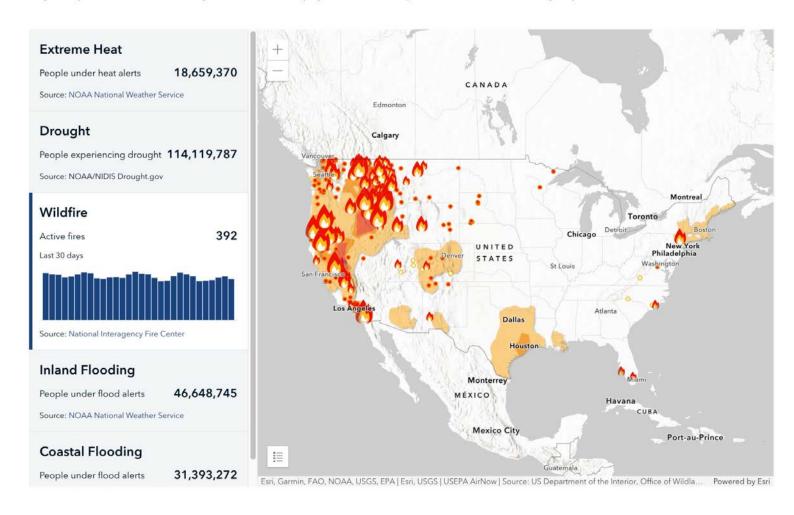
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Screenshot from September 2022



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Screenshot from September 2022



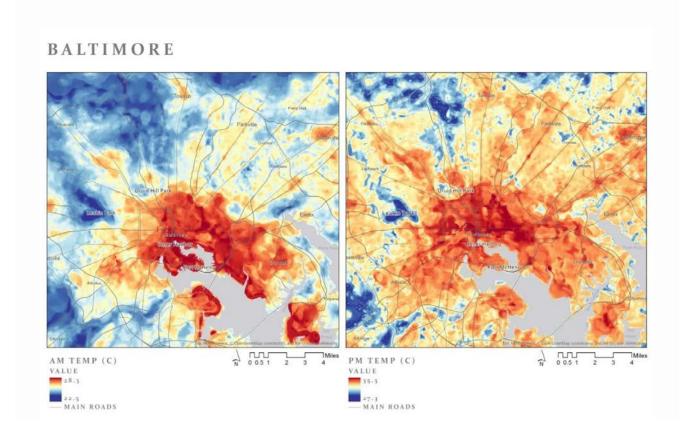
Does your community face any of these hazards, now or in the future?

The impacts of climate-related hazards are already occurring, and they are projected to worsen in many regions.

Launch the CMRA Assessment tool below and enter your location to see how climate conditions are projected to change through this century.



Let's consider a potential infrastructure project in Anne Arundel County, Maryland



Citizen
scientists in
Baltimore
mapped
Urban Heat
across the city
in 2018



Concern:

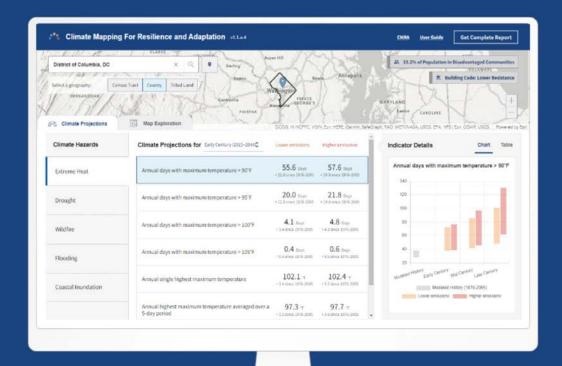
People who wait at outdoor bus and train stations will need protection from extreme heat

CMRA Assessment Tool

Check how climate conditions in your location are projected to change over the next several decades. Explore the results to recognize if the things your community values—assets such as people, property, and infrastructure—could be exposed to climate-related hazards.

Launch the CMRA Assessment Tool

Explore the User Guide



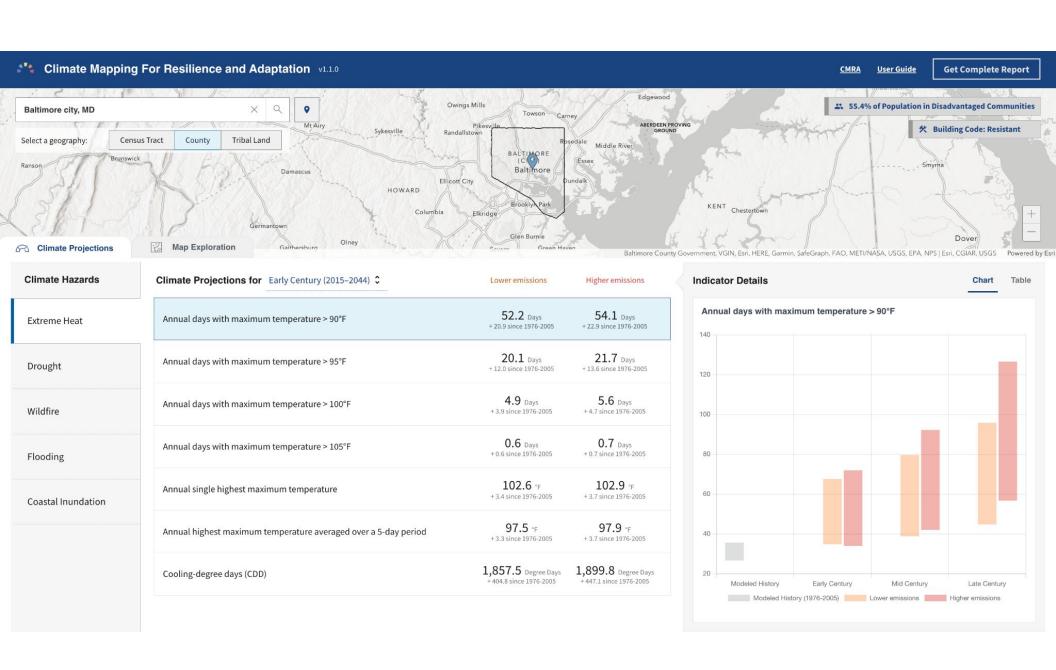


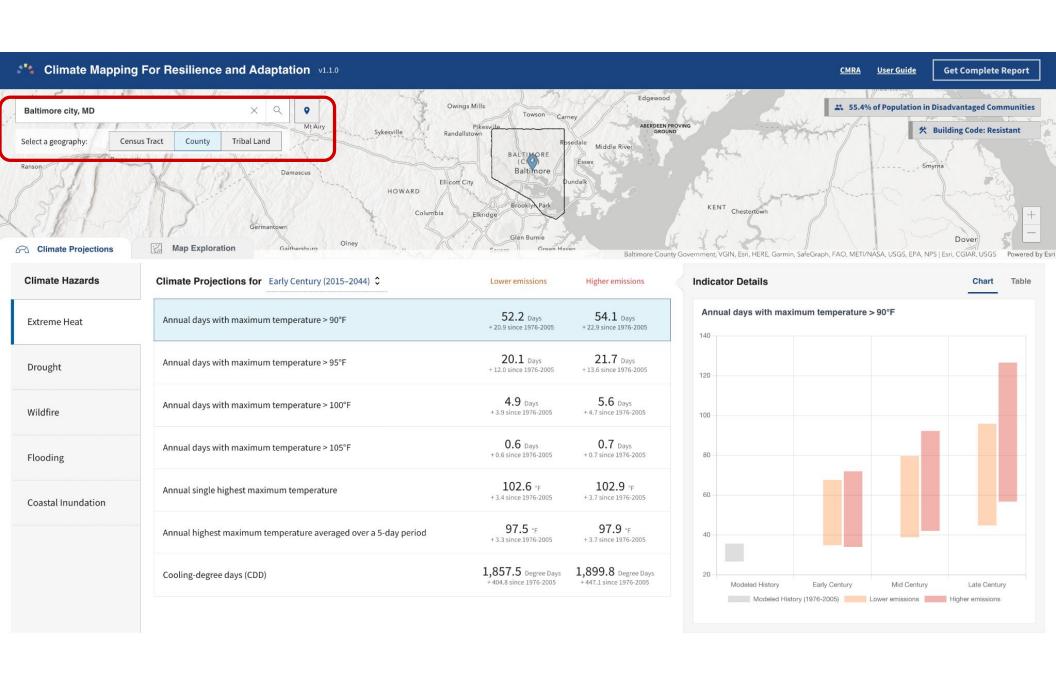
Climate Mapping For Resilience and Adaptation

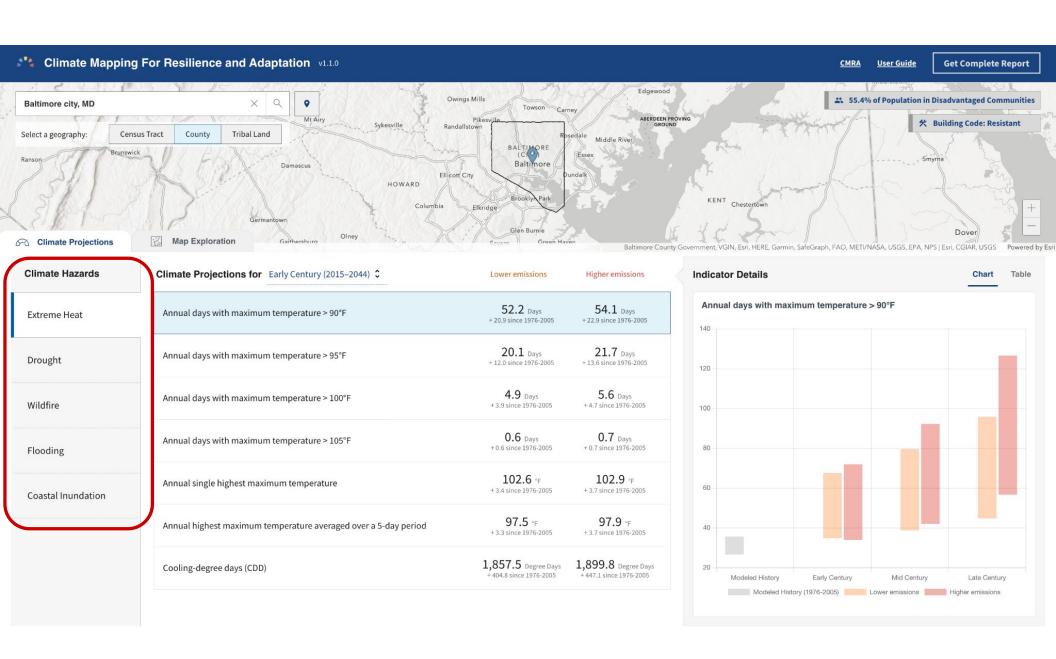


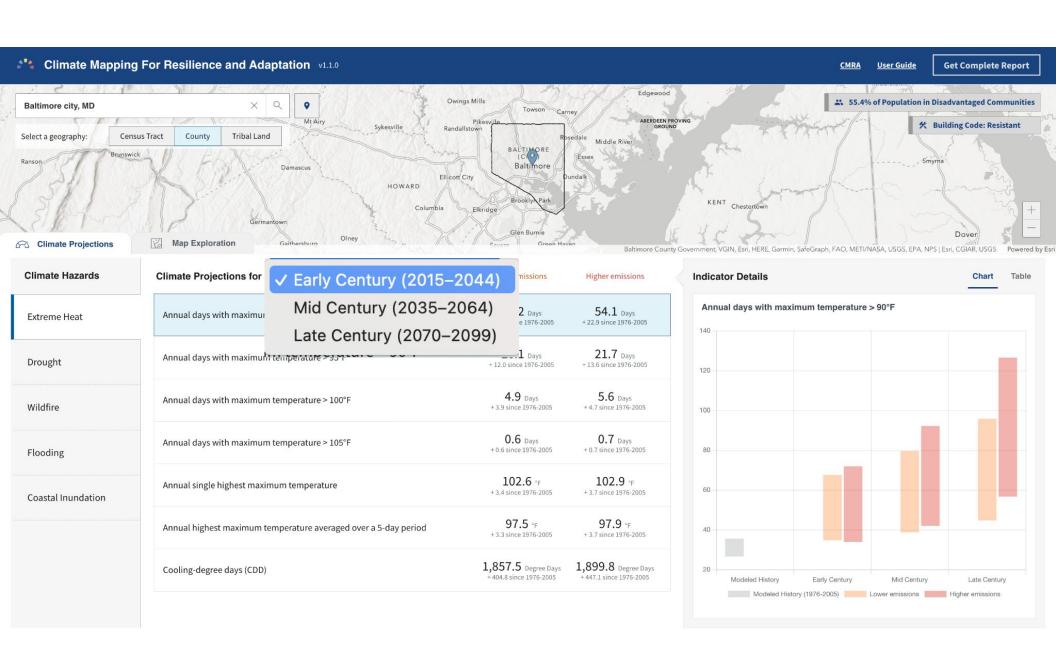
Data and maps available in this tool are downscaled results from global climate models. Results for selected geographies indicate how local exposure to five common climate-related hazards is projected to change through this century. Assessing climate vulnerability and risk to your local assets will require additional information that is not available in this tool.

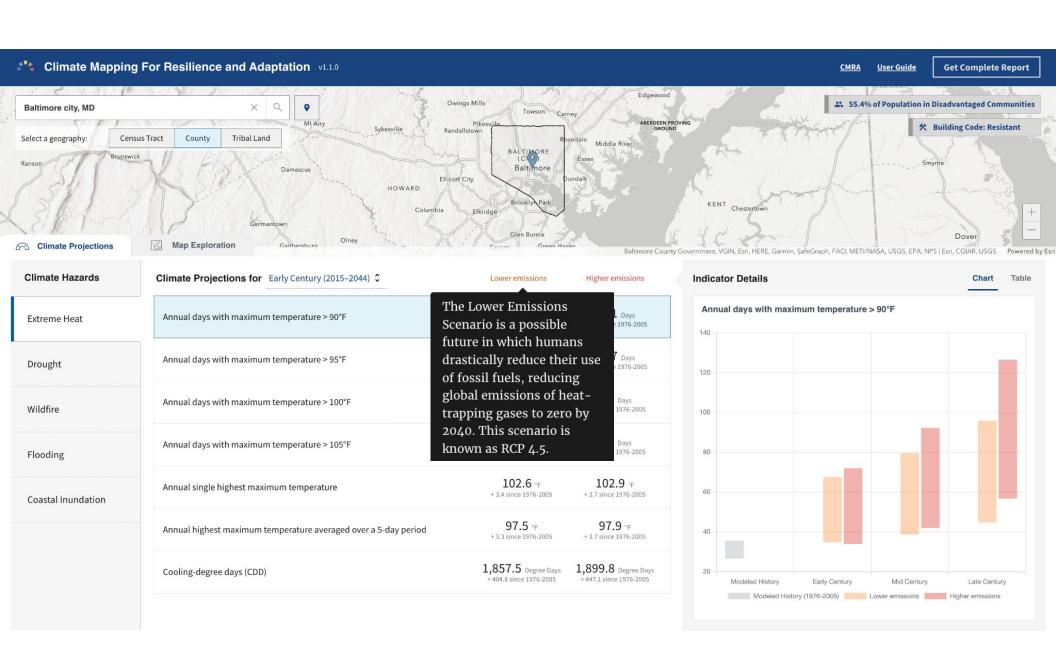
See the U.S. Climate Resilience Toolkit's Steps to Resilience framework for more information.

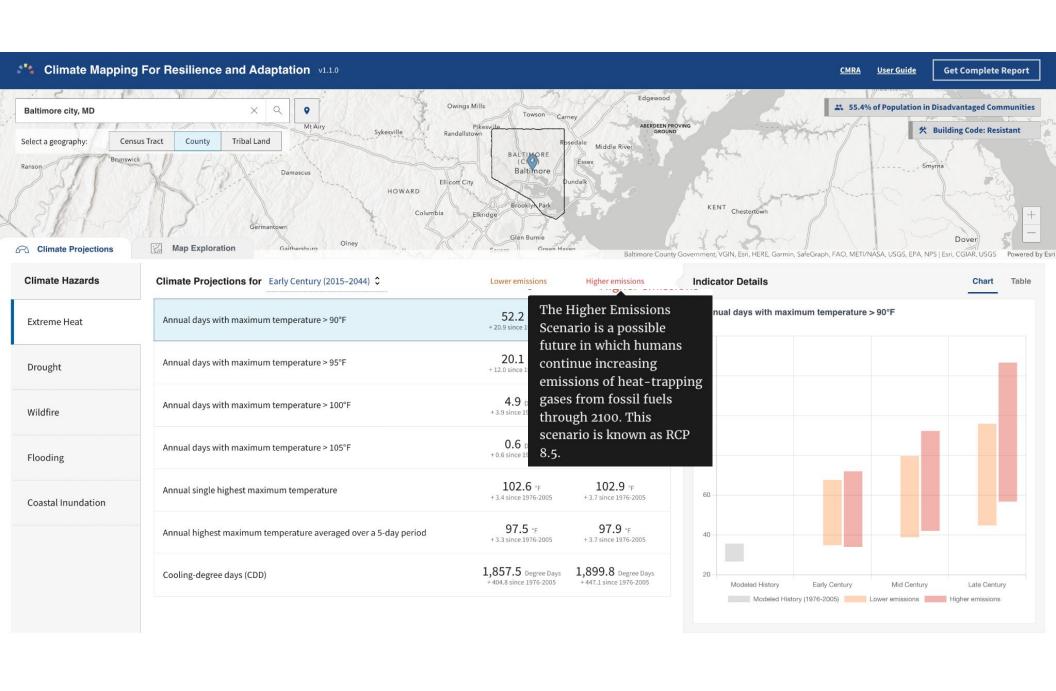


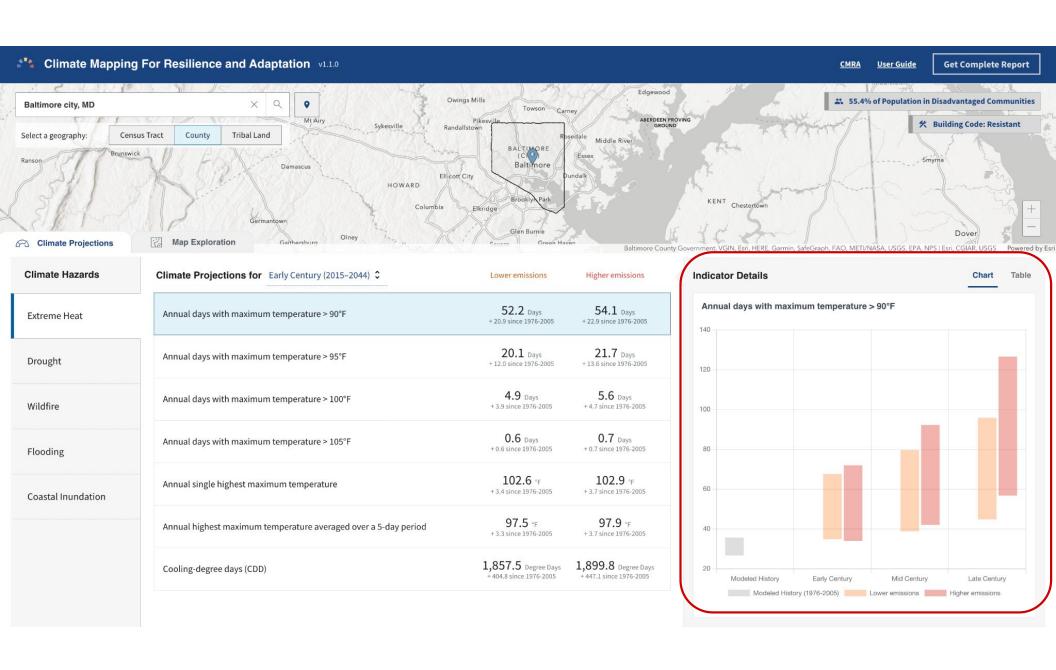


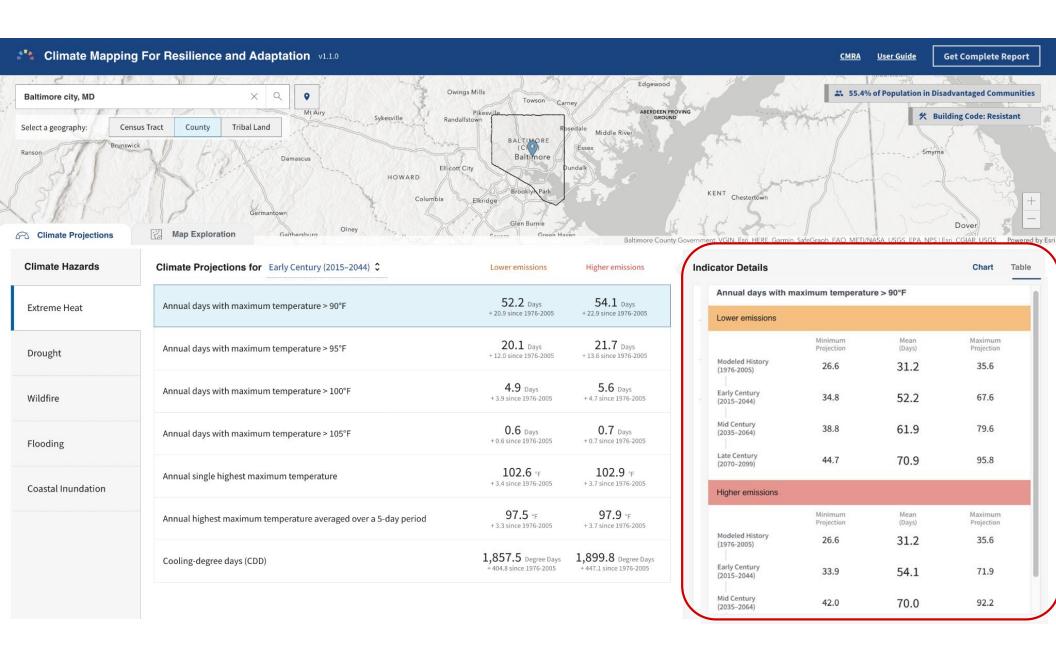


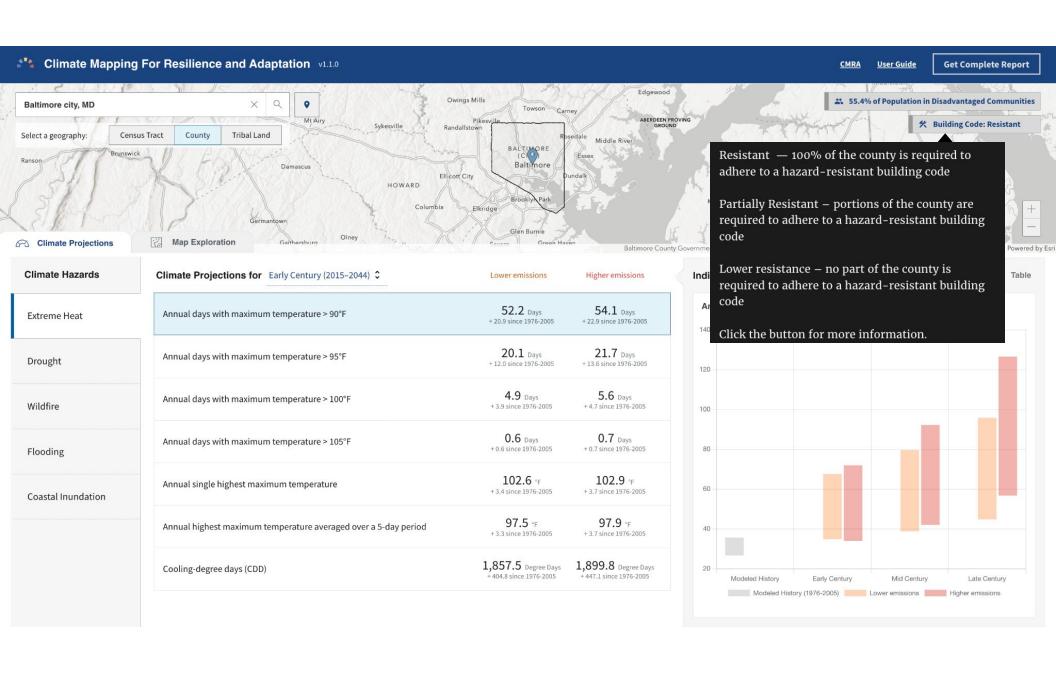


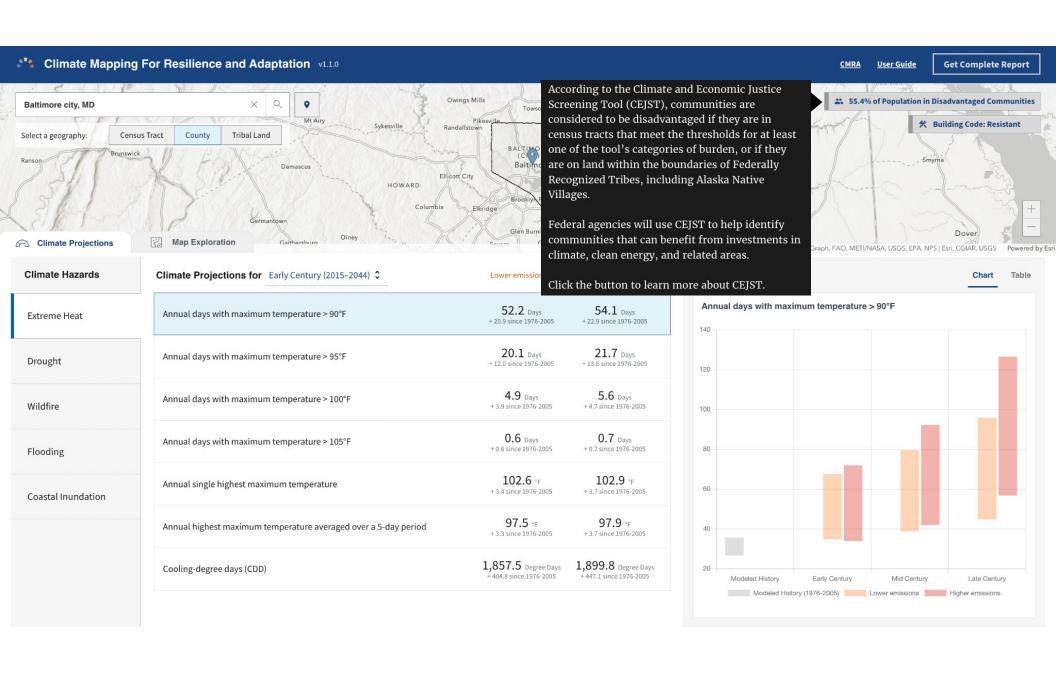


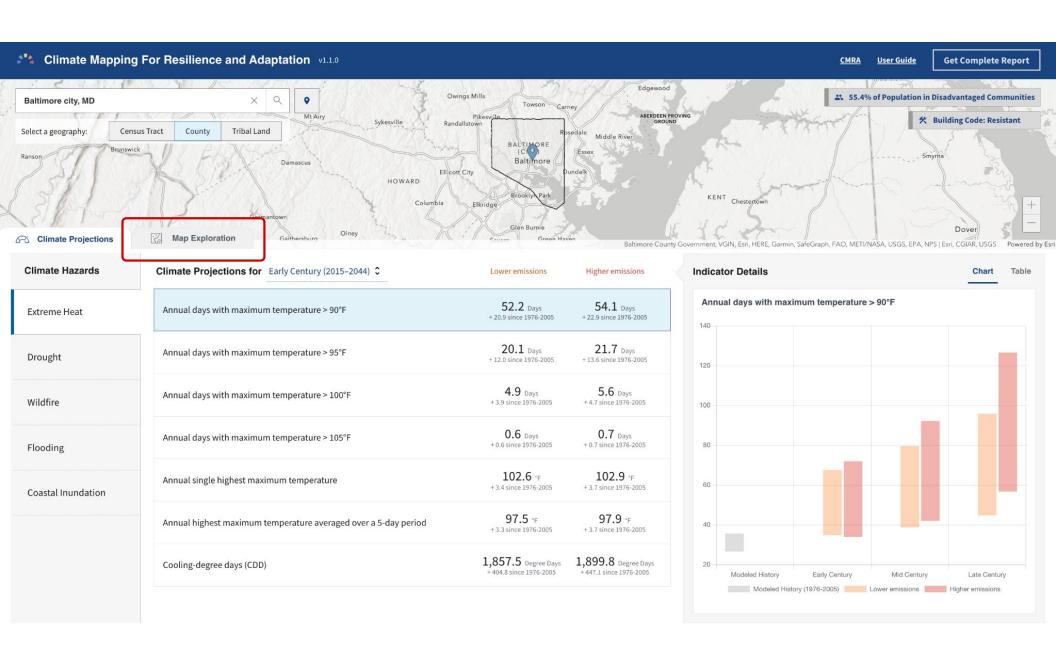


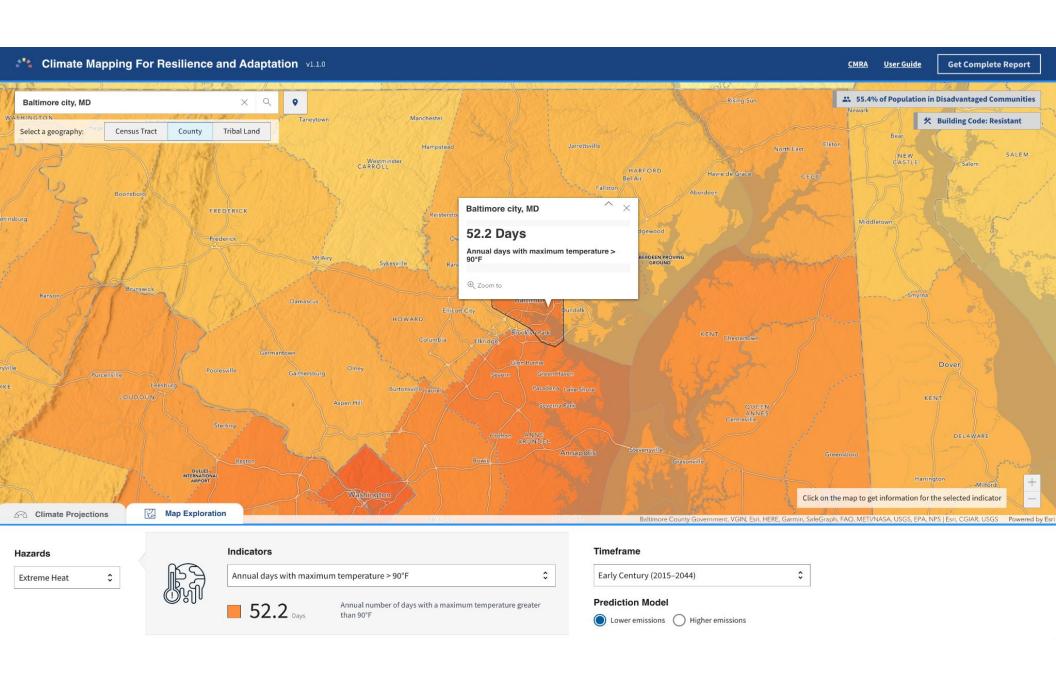


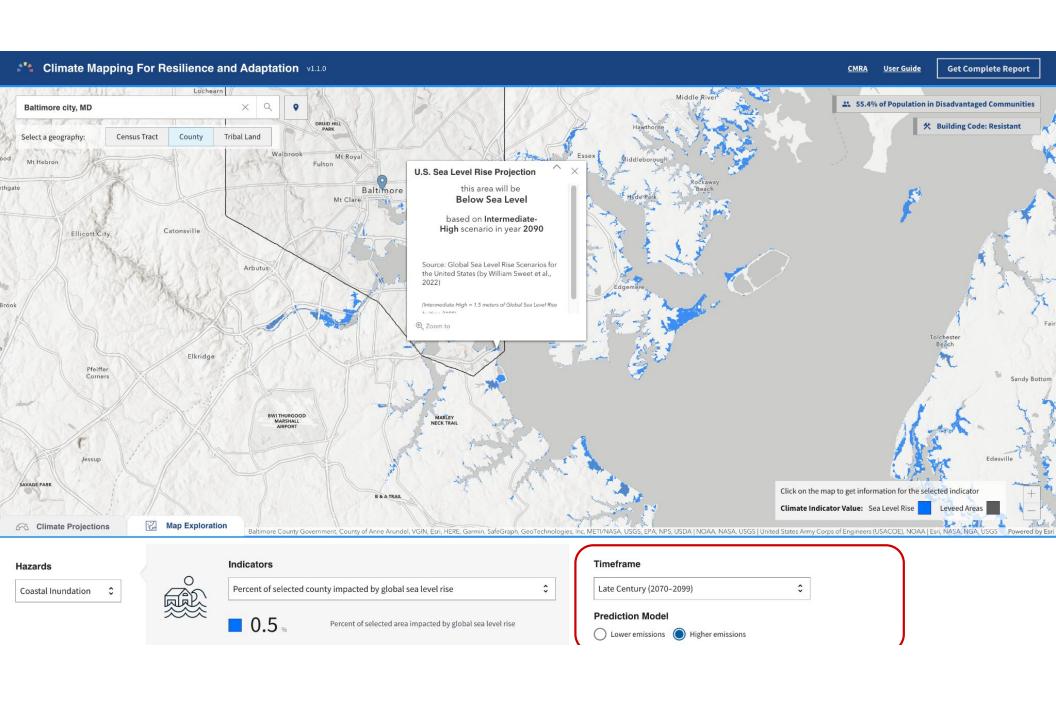


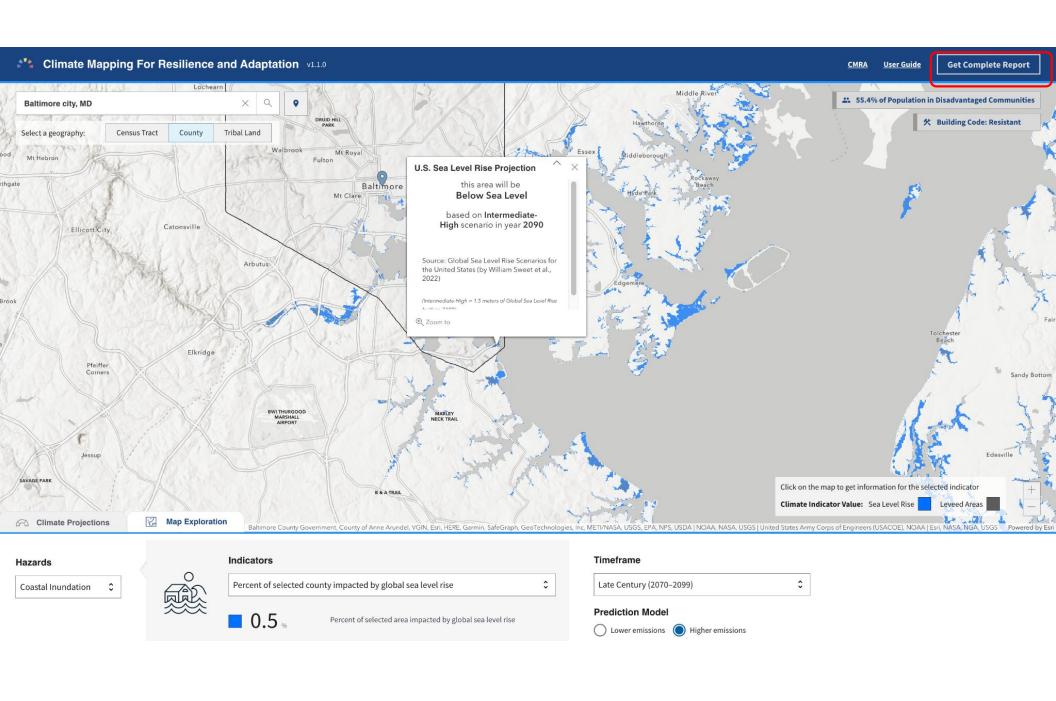




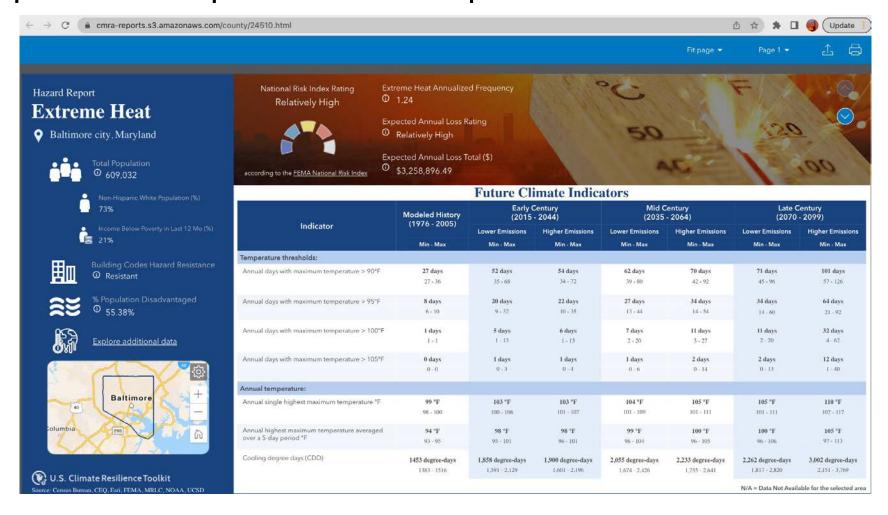




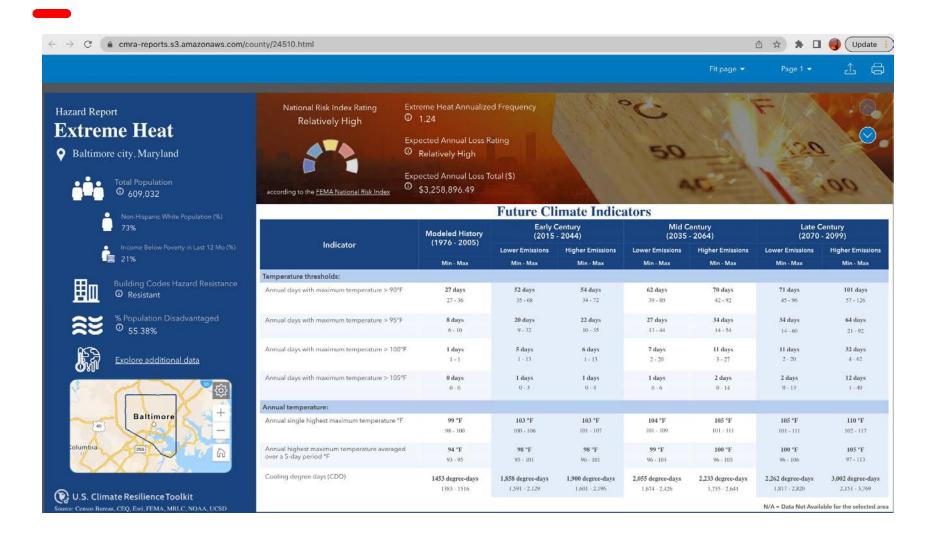




5-page reports are .html files. Unique URLs can be bookmarked, shared, printed, or incorporated into other reports.



Includes demographic information and links to FEMA's National Risk Index





Introduction Current Hazards

Assessment Tool

Hazard Information

Federal Policies

Open Data

StoryMaps provide context on hazards and federal funding opportunities











Implementing climate resilience policy

The Federal government is taking action to protect people, property, and infrastructure from the impacts of changing climate conditions across the country. Federal agencies are providing access to improved datasets, new tools, and guidance to help people address their climate-related challenges.



E.O. 14008 - Tackling the Climate Crisis



Federal Support for Nature-Based Solutions



Federal Flood Risk Management Standard



National Initiative to Advance Building Codes



Federal Climate Adaptation Plans



Introduction

Select a climate-related hazard icon to explore relevant curated data and tools. These collections offer both Federal and non-federal resources.



Extreme Heat



Current Hazards

Drought



Wildfire



Flooding



Coastal Inundation

Explore additional data: <u>Climate Models</u>, <u>Demographics</u>, <u>Infrastructure</u>, <u>Environment</u>, <u>Hazards</u>

About the data

Thank you!

If you have feedback, questions, or other requests for the CMRA team, please email CMRA Feedback@noaa.gov.

LuAnn.Dahlman@noaa.gov