



U.S. Department of Housing and Urban Development Policy Development and Research

What is PD&R?

The [Office of Policy Development & Research](#) (PD&R) is an office within the U.S. Department of Housing and Urban Development (HUD). PD&R conducts research on housing and community development issues, including disaster recovery and mitigation, and leads HUD's engagement in federal data initiatives.



Federal Climate Services ♦ [Geospatial Data Storefront](#) ♦ Disaster Recovery and Mitigation Research

How Does a Grantee Use Climate Data?

- Grantees are asked to create a [Mitigation Needs Assessment](#) as an element of their CDBG-DR Action Plan.
- Grantees may use climate data from a variety of sources, including federal data sources.
- Grantees often turn this data into a table, graphic, or score to be included in their narrative.

Federal Climate Data

The Federal Climate Data landscape continues to evolve in the growing availability of data sources, and the increasing level of granularity climate data sources are being made available.

Grantees want data that can inform their mitigation needs assessment.



Table



Graphic



Score

Connect with Us

Reach out to the PD&R team:

Clay Lloyd

WILLIAM.C.LLOYD@HUD.GOV

Janet Li

JANET.X.LI@HUD.GOV

Michael Craig

MICHAEL.P.CRAIG@HUD.GOV

Alaina Stern

ALAINA.M.STERN@HUD.GOV

Recommended Climate Services to Use for Mitigation Needs Assessments

Climate Mapping for Resilience and Adaptation Assessment Tool (CMRA) | resilience.climate.gov

Hazards: Extreme Heat, Precipitation, Sea Level Rise

Description: The Climate Mapping for Resilience and Adaptation Assessment Tool (CMRA) was developed by NOAA. It aligns with the U.S. Climate Resilience Toolkit. It integrates historical observations and future projections of climate data, as well as information on building codes. Data are available for census tracts, counties, and tribal areas.

Climate Risk and Resilience Portal (ClimRR) | climrr.anl.gov

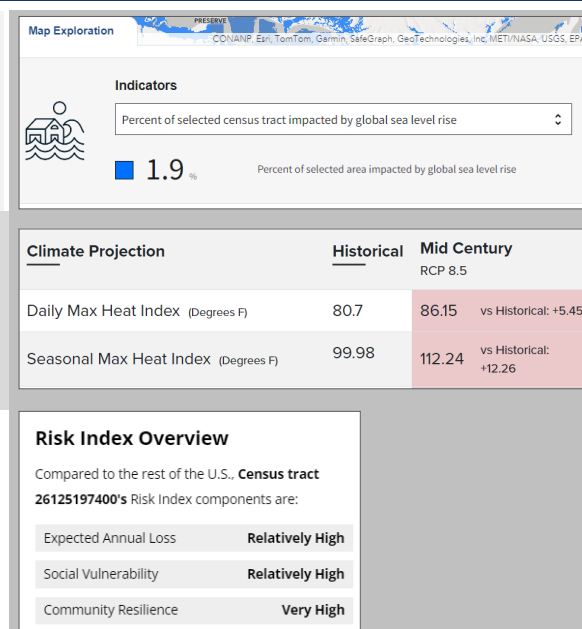
Hazards: Heat, Cold, Wildfire, Drought, Floods, Wind

Description: The Climate Risk and Resilience Portal (ClimRR) was developed by DOE's Argonne National Laboratory, AT&T, and FEMA. It is a central hub for dynamically downscaled climate data. Local climate projections are available for 12-kilometer grid cells across the country.

National Risk Index (NRI) | hazards.fema.gov/nri

Hazards: Avalanche, Coastal Flooding, Cold Wave, Drought, Earthquake, Hail, Heat Wave, Hurricane, Ice Storm, Landslide, Lightning, Riverine Flooding, Strong Wind, Tornado, Tsunami, Volcanic Activity, Wildfire, Winter Weather

Description: The National Risk Index (NRI) was developed by FEMA. It provides a baseline risk measurement for each U.S. county and census tract. Using historical event data, it provides expected annual losses to people, buildings, and agriculture for each of 18 hazards and includes measures of social vulnerability and community resilience.



OTHER TOOLS

climate.data.gov, [Hazus](https://hazus.fema.gov), [RAPT](https://rapt.fema.gov), [National Environmental Public Health Tracking Network](https://nephew.fema.gov), [EJScreen](https://ejscreen.fema.gov), [Hazard Exposure Reporting and Analytics \(HERA\)](https://hazexposure.fema.gov), heat.gov, drought.gov, [Sea Level Rise Viewer](https://sea-level-rise-viewer.fema.gov), [Federal Flood Standard Support Tool](https://flood-standard-support-tool.fema.gov), wildfirerisk.org

Using Your Own Data



Flooding Example: Many grantees have address-level data on FEMA NFIP Claims, FEMA Repetitive Losses, and Resident Reports. You can use these sources to describe damages from past declared disasters and non-declared disaster events.

Call for Participation



Opportunity to Offer Feedback on NOAA Climate Resources: The National Oceanic and Atmospheric Administration (NOAA) is seeking HUD grantees to test their new website of climate resources. If you are interested, please reach out to Janet Li (JANET.X.LI@HUD.GOV).

Did you know PD&R administers **HUD-funded research** on CDBG-DR-funded disaster recovery and mitigation outcomes?

We often seek grantees to partner with us on our research efforts. Email us for more information, or visit our website at HUDUSER.GOV.

Past Research

- "[Housing Recovery and CDBG-DR](https://huduser.gov/housing-recovery-and-cdbg-dr)" (huduser.gov)
- "[Housing Recovery on the Gulf Coast](https://huduser.gov/housing-recovery-on-the-gulf-coast)" (huduser.gov)

Future Research

- Renter Outcomes
- Buyouts