



Photo: SC National Guard

Flood-Prepared Communities



Reduce the impact of flood-related disasters on the U.S. taxpayer and environment by better preparing communities through federal and state policy reform

Photo: AP/Ted Shaffrey, <https://www.amny.com/weather/in-new-jersey-a-slow-motion-evacuation-from-climate-change/>

State Flood-disaster Landscape

- Increasing pressure on states to reduce cost of flooding
 - Frequency and rising costs of disasters
 - Federal government looking to reduce disaster expenditures
 - Regional impacts of flooding

- State response:
 - Resilience planning, often led by a chief resilience officer
 - Dedicated state resources for pre-disaster mitigation and resilience

States Committing to Resilience Planning

North Carolina Creates Office, Hires 'Resilience Officer' To Plan Ahead For Climate Change

Climate Action Plan: Maine's Climate Council Drafts Strategies to Address Climate Change

New S.C. Law Creates Resilience Office to Address Flooding

New Washington Law Requires Plan for Statewide Disaster Resilience

Governor Murphy Signs EO to Establish Statewide Climate Change Resilience Strategy

Wisconsin Climate Change Task Force Hears Urgency of Local Flood Concerns

...And more!

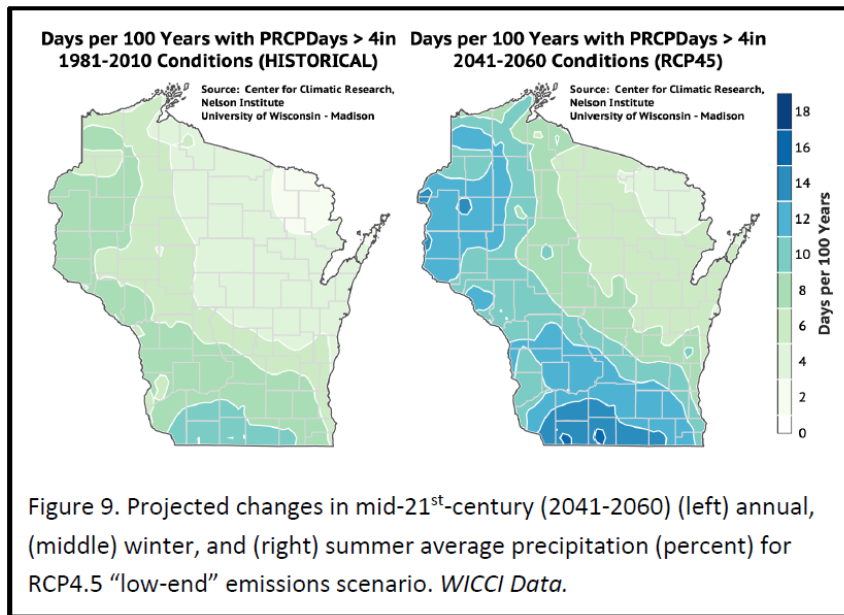
Multiple Approaches

- Appointing dedicated resilience position
 - Housed within Governor's office or other agencies
 - Often supported by advisory board
- Tasking state agencies
- New offices or agencies
- Other states exploring options

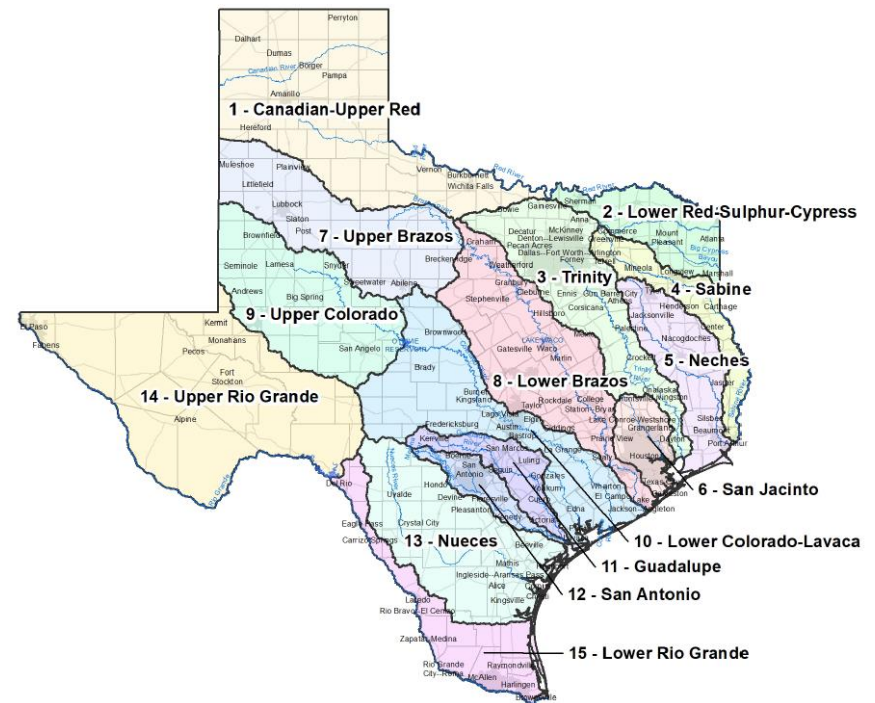
Key Components of Flood Resilience Planning

✓ Consider future risk based on science and modeling

✓ Evaluate flood risk at a watershed scale



Wisconsin Initiative on Climate Change Impacts, <https://wicci.wisc.edu/wp-content/uploads/wicci-report-to-governors-task-force.pdf>



Texas Water Development Board,
https://www.twdb.texas.gov/flood/planning/doc/small_region_map.pdf

Key Components of Flood Resilience Planning

- ✓ Engage communities and address historic inequities
- ✓ Mandate to coordinate across state agencies
- ✓ Develop list of priority projects, including those that use nature-based solutions



Photo: City of Norfolk Ohio Creek Watershed Project, www.ohiocreek.today



Photo: Kevin du Bois, City of Norfolk

States Investing in Mitigation

Richmond Times-Dispatch

**Yaron Miller and Nikki Rovner column:
Virginia's new flood-preparedness program is
a statewide win**

THE TEXAS TRIBUNE

**Gov. Greg Abbott signs disaster relief and
preparedness bills in Houston**

The legislation includes framework that provides more than \$1.6 billion for flood control projects and repairs across the state.

The Post and Courier

**Proposed state fund would help facilitate flood buyouts in
SC**

Features of Recent Mitigation Programs



Resilience Revolving Fund

- Administered by state resilience office
- Enables buyouts of flood-prone properties
- Floodplain restoration



Community Flood Preparedness Fund

- Prioritizes nature-based and watershed-scale solutions
- Addresses historically under-resourced and marginalized communities
- Statewide eligibility
- Projects guided by resilience planning



Flood Infrastructure Fund

- Eligibility for non-structural projects
- Projects identified via watershed-based planning efforts



Photo: City of Dubuque, <https://www.cityofdubuque.org/1887/Project-Phases>

Different Funding Approaches

- Fees
 - Title, recording or other transactions
 - RGGI
- “Rainy day” funds
- Appropriations and Bonding
- Public-private partnerships

State Resilience Planning Group





Photo: Delaware Living Shorelines Committee, <https://www.delawarelivingshorelines.org/>

Contact: Yaron Miller
ymiller@pewtrusts.org; @milleryaron