

# Office of Research, Evaluation and Monitoring

Japan Delegation Meetings  
September 26-28, 2023

Seattle, WA



# Disaster and Resilience Related Research



# Community Resilience Planning for Disaster Recovery

## HUD wants to have more tools to improve resilience of communities

- Seek communities to help HUD understand impact of community resilience planning
- Develop case studies on how communities can improve long-range plans to enhance community resilience
- Provide examples for communities to follow in future planning
- It is a collaborative Planning team with a resilience leader to establish scope of effort
- Each community determines goals (for example priorities for planning and recovery)
- Measure where they are now and the performance gaps.



# Community Resilience Planning for Disaster Recovery - Continued

## Burlington County

- Pop.: 434,000
- Pop. with disability: 35,000
- Southern New Jersey
- County spans from Philadelphia, PA to Atlantic Ocean

## Southampton Township

- Pop.: 10,000
- Pop. of Leisure Towne (55+ community): 3,000
- Flooding a concern in north and central township
- Wildfire the concern in southern township

## Mississippi Band of Choctaw Indians (Federally-recognized tribe)

- Pop.: 11,000 across all tribal communities
- Nearly 25% of population on reserve are disabled
- Tornado is main hazard of concern in east central Mississippi
- Limited number of plans in place
- Want to have short practical plans
- Focusing on Pearl River in Neshoba County for this effort



# Site Planning for Disaster Mitigation Guidebook

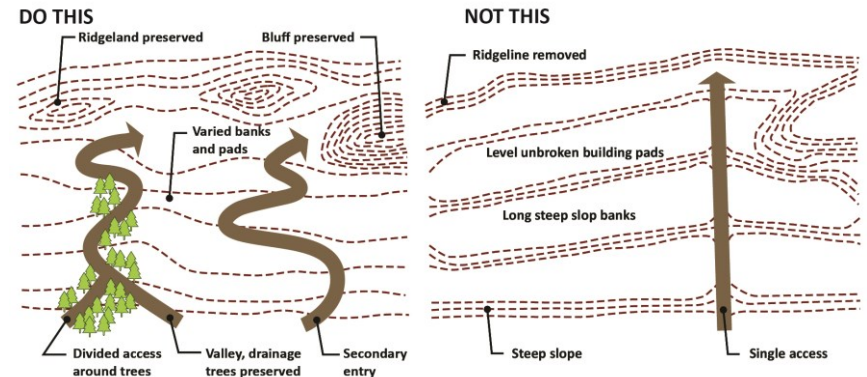
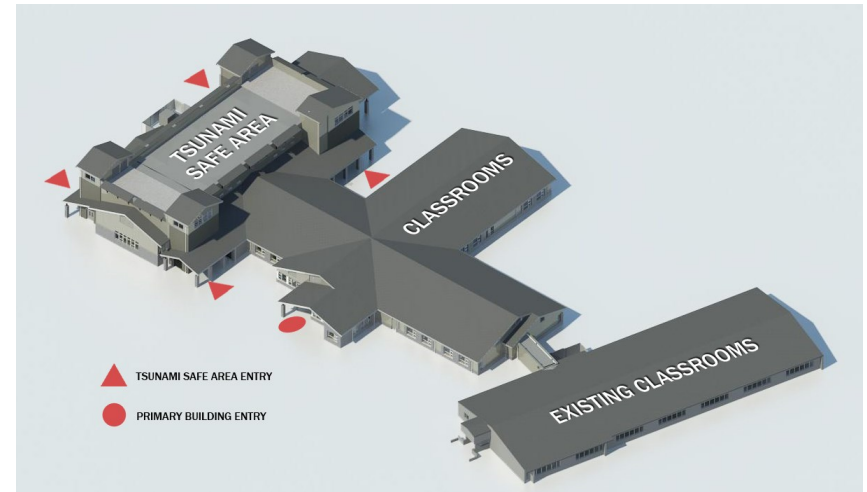


# Site Planning for Disaster Mitigation Guidebook

The guidebook features modern approaches for site planning including new and innovative technologies and planning approaches with a focus on employing strategies in rapidly urbanizing counties and cities.

The guidebook outline is as follows:

- *Overview* – Site Planning Principles and Practices
- *Analysis* – Components to (or Elements of) Successful Site Planning Analysis
- *Infrastructure Management in Site Planning* – A discussion of the importance of topics including, but not limited to wetland mitigation, erosion control, storm drainage, accessibility, concrete, and asphalt paving.
- *Models of Success* – Examples of Site Planning for Housing & Community Development



# Other Studies related to Mitigation and Resilience

Two projects will study outcomes on rental housing, including the impacts to housing markets and renters after a disaster. The projects will evaluate how the Community Development Block Grant – Disaster Recovery (CDBG-DR) requirements impact post-disaster efforts to address rehabilitation, reconstruction, replacement, and new construction of rental housing for low-and- moderate income households to mitigate losses to affordable rental housing stock after disasters;

CDBG-DR provides a financial and technical foundation for communities around the country that seek to reduce the effects of natural hazard events.

Another project will examine how effectively CDBG-DR funds have been used to address the needs of vulnerable populations.



# Older Adults Home Modification Grant Program





# Evaluation of Older Adults Home Modification Grant Program

**Older Adults Home Modification Grants (OAHMP)** To make safe and functional home modifications and limited repairs to meet the needs of low-income elderly homeowners with the goal of reducing the risk of falling, improving safety and functional abilities inside the home, and increasing accessibility.

## Goals of the evaluation:

- Determine impact of home modifications on physical health and function of older adult clients
- Understand grantees' processes for implementing grant program – challenges, barriers, and successes
- Learn if clients are satisfied with the grant program, program process, and home modifications.



# Evaluation of Older Adults Home Modification Grant Program - Continued

## Average Cost of Work Per Home:

Home Modifications	\$2,689
Adaptive Equipment	\$480
<b>Combined Average</b>	<b>\$2,751</b>

Home Mod Category	% Homes N=160
Bathroom Mods, non-grab bar	61%
General Fall Prevention, Non-Grab Bars	58%
Miscellaneous Home Repairs	56%
Grab Bars	55%
Lighting	37%
Home Safety Devices	36%
Exterior Door Mods	34%
Accessibility Item Mods	20%
Electrical Feature Mods	20%



# Broadband in Assisted Housing



# Measurement of Broadband Access in HUD-Assisted Buildings

HUD will undertake a series of research endeavors to determine the most effective and efficient methods to provide broadband-internet connectivity to all HUD-assisted households at a specified speed of 25/3 mbps, per person.

This will not only further HUD's abilities to implement and assess energy retrofits and energy performance programs but will also assist HUD in becoming more responsive to disaster and climate-related severe events.

The first iteration of this study is scheduled for award in October of 2023 and will address Public Housing Agencies and Project-Based Section 8 properties.

It will determine:

- Current and potential speeds per user
- Infrastructure considerations for connectivity improvements
- Household satisfaction levels, feedback on barriers, obstacles



# HUD Resources

HUD User: <https://www.huduser.gov/portal/home.html>

Green Resilient and Retrofit Program: [Green and Resilient Retrofit Program \(GRRP\) | HUD.gov / U.S. Department of Housing and Urban Development \(HUD\)](#)

CDBG-DR Funds Page:

[https://www.hud.gov/program\\_offices/comm\\_planning/cdbg-dr](https://www.hud.gov/program_offices/comm_planning/cdbg-dr)

Designing for Natural Hazards Series Volumes 1 - 5 Hazards:

<https://www.huduser.gov/portal/publications/Designing-for-Natural-Hazards-Series.html>

Community Resilience Planning for Disaster Recovery Study:

<https://www.huduser.gov/portal/Community-Resilience-Planning-Assistance.html#tab-item1>

