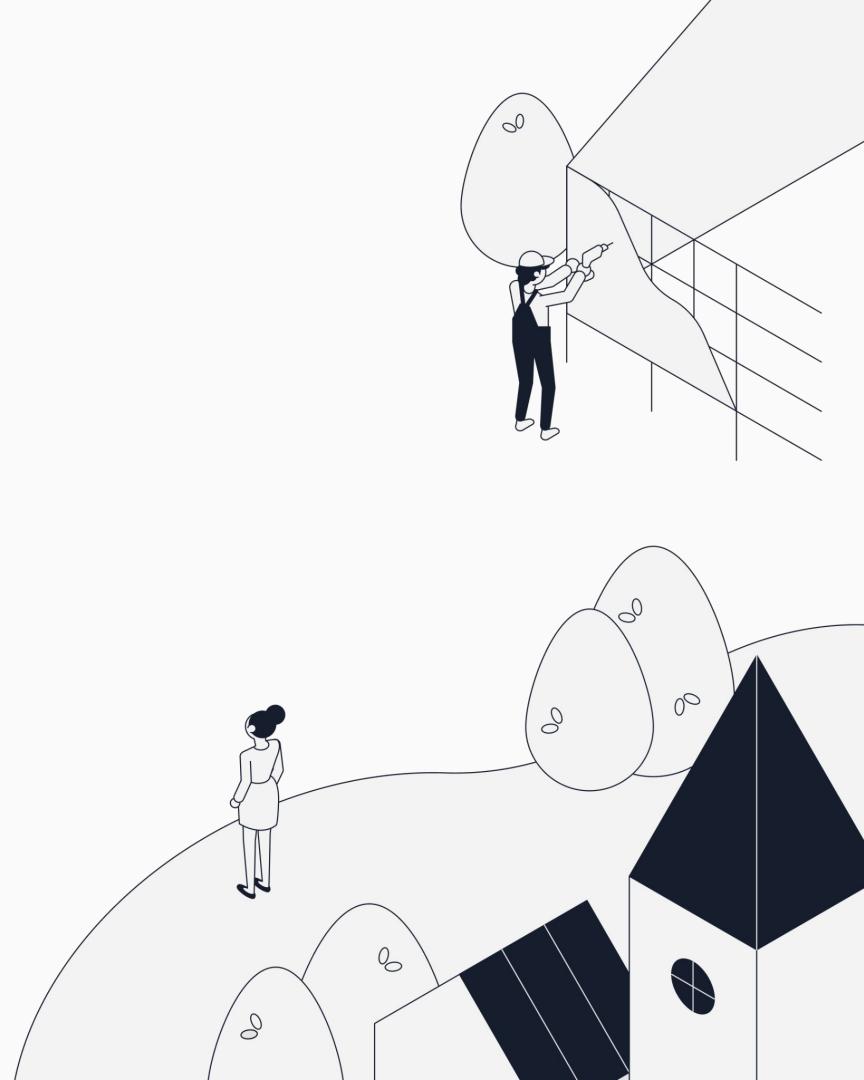


# Preparing for Hurricane Season



# Housekeeping

- This presentation is being recorded.
- The recording and presentation will be shared via email and posted on our blog.
- Use the Q+A or the Chat to ask questions.
- Complete the post-attendance survey to receive your ASFPM CEC or ICC CEU. The certificate(s) will be sent via email to you shortly after the webinar.



## Agenda

- 1 Forerunner Overview
- 2 Preparing for Hurricane Season
- 3 Case Study
- 4 Walkthrough

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THE CHALLENGE

**Emergency  
management  
matters more  
than ever.**



PARTNERS

We work with over 145 of the most at-risk communities throughout the U.S.



Florida Division of  
Emergency Management



California Department of  
Water Resources



Mississippi Emergency  
Management Agency



Mississippi Insurance  
Department



Harris County  
Texas



Miami  
Florida



Jefferson Parish  
Louisiana



Chatham County  
Georgia



Pasco County  
Florida



Nashville  
Tennessee



Cedar Rapids  
Iowa



St. Charles County  
Missouri



Raleigh  
North Carolina



Santa Barbara County  
California



Lee County  
Florida



Georgetown County  
South Carolina

# Forerunner creates a system of record for your disaster response workflows.



## Household-Level Damages

Forerunner's app accelerates PDAs and SDEs, auto-updating dashboards to fast-track substantial damage decisions.



## Debris Management

Forerunner's debris tools map pickups, track cubic yards, and log tickets to produce FEMA-ready records instantly.



## Public Portal

Forerunner's public portal shares property-level status and allows public submissions without exposing sensitive data.



## Public Infrastructure Damages

Field crews can map damaged bridges, roads, and utilities, helping streamline PA documentation.



## Grant Management

Forerunner stores worksheets, cost shares, and compliance documents in one place, keeping you audit-ready from start to finish.



## Mailing Automation

Forerunner helps you generate, send, and track mail with ease. Reduce manual work, keep your team aligned, and make sure no communication slips through the cracks.

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**Preparing for the disaster life cycle is critical for all communities, especially at-risk communities.**



# The importance of preparation.

- Reduces recovery time
- Avoids compliance issues
- Enables better data collection
- Improves resource recovery
- Protects the public



# Before a storm.

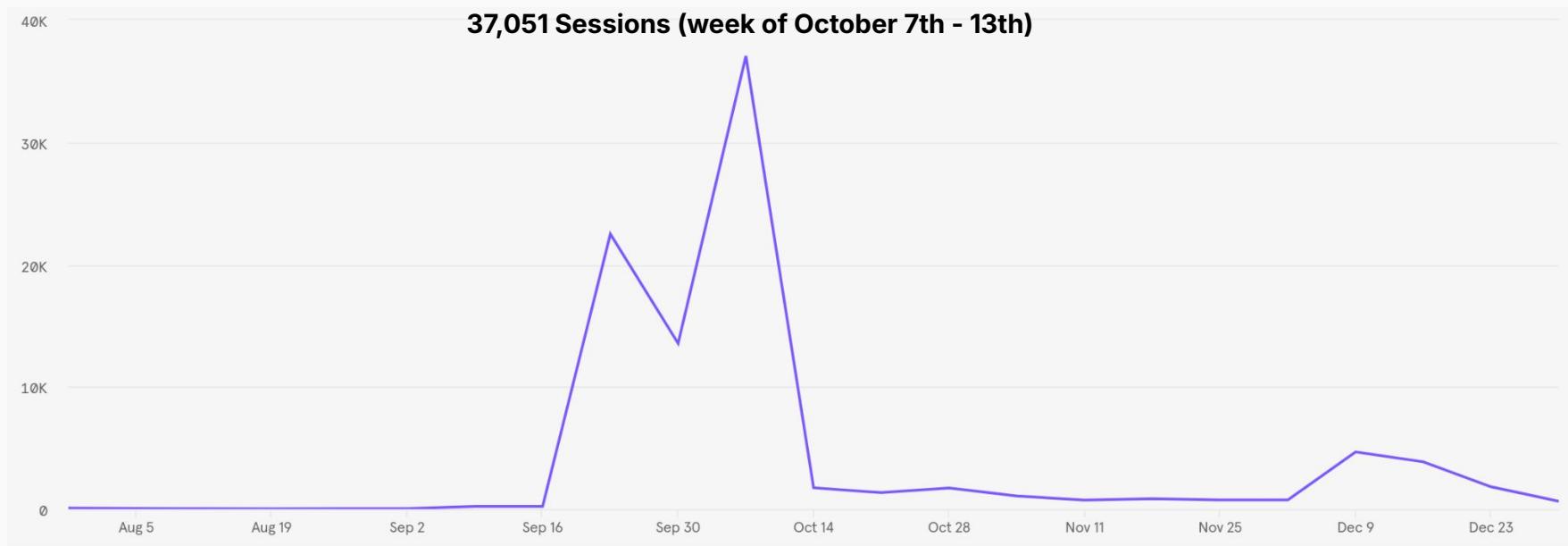
- Create a community-wide database and designate properties within the SFHA
- Update SI/SD database with ordinances and cumulative substantial improvement
- Identify buildings that are below base flood elevation and are vulnerable to damage
- Anticipate service outages and data challenges
- Evaluate staffing needs and tools – train staff accordingly



COMPOUND STORMS

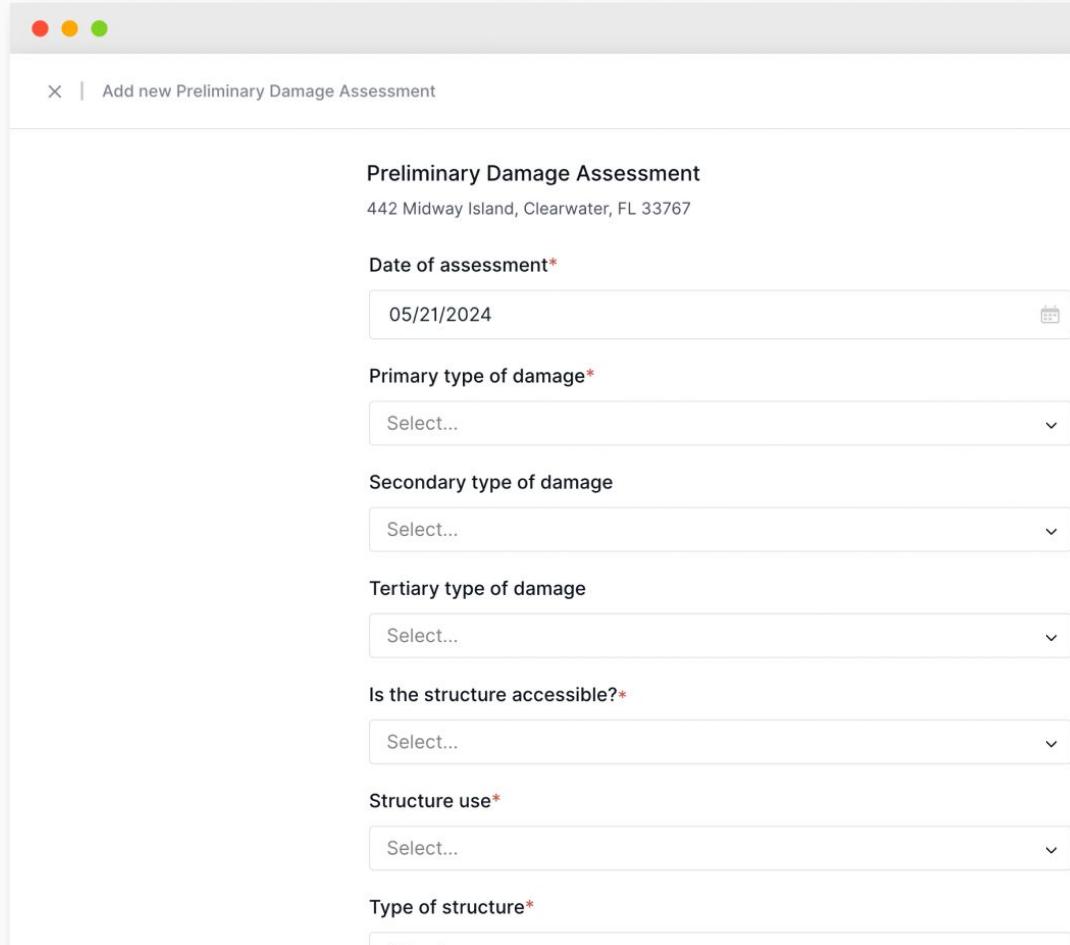
# Resident inquiries spike

Florida Community Public Website Sessions (per week)



# Immediate aftermath.

- Incorporate post-disaster imagery
- Proactively assess and document damage through Preliminary Damage Assessments (PDA)
- Use PDA data to identify potential Substantially Damaged structures
- Generate Substantial Determination Letters for all impacted properties
- Notify property owners of substantially damaged structures
- Review permit applications, report costs, and make final Substantial Damage determinations – track in an SI/SD database
- Decide to share Substantial Damage determination publicly or not



Preliminary Damage Assessment  
442 Midway Island, Clearwater, FL 33767

Date of assessment\*

05/21/2024

Primary type of damage\*

Select...

Secondary type of damage

Select...

Tertiary type of damage

Select...

Is the structure accessible?\*

Select...

Structure use\*

Select...

Type of structure\*

# Post-storm recovery.

- Manage the properties with Substantial Damage determinations
- Schedule Substantial Damage Determination appeals to discuss options with property owners and offer to submit private appraisal
- Request disaster data from FEMA through an ISAA
- Update Repetitive Loss Property database and ensure data security and controls
- Manage SI/SD database during rebuilding efforts to ensure building and local floodplain management program compliance

Address: 442 Midway Island, Clearwater, FL 33767

Parcel ID: 082915433440000600

Share public profile | Edit property

Overview Activity Records Files

SI/SD Logs Inspections

Warnings

Property is over the SI/SD threshold

Cost of Improvements & Damages

+ Add new

9/13/2021 Improvement New Porch	22.81% (\$49,500)	Edit
1/6/2021 Improvement Kitchen renovation	39.40% (\$85,499)	Edit

Summary

Cumulative SI/SD Percentage (%)	62.22%
Cumulative SI/SD Costs (\$)	\$134,999
Tracking period	3 years

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# Pasco County, FL

# Centralizing disaster response in Pasco County, FL.

- Unified response using a centralized recovery workflow
- Backfilled 9,000 Preliminary Damage Assessments (PDA) to support disaster documentation
- Completed over 20,000 Substantial Damage Estimates (SDEs) using the Forerunner mobile app

Substantial Damage Estimate

12 Flood Ave Floodville, FL 12345  
Parcel ID: 1503\_47\_103

Estimated damage summary

Estimated determination
Estimated repair / reconstruction percentage (%)
Estimated replacement cost
Estimated depreciated value
Estimated computed damages

Estimated computed damages breakdown

Element	Structure %
Foundation	11.9
Superstructure	13.3
Roof covering	4.3
Exterior finish	6.9
Skirting / forms piers	13.0
Interior finish	15.6
Doors & windows	4.4
Cabinets & countertops	7.7

Element damages

Exterior elements

Foundation \* Superstructure

Roof covering \* Exterior finish

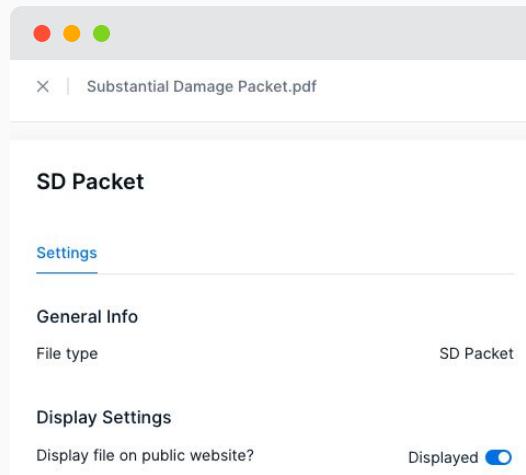
Skirting / Forms piers \*

Interior elements

Interior finish \* Doors & windows

# Automating resident outreach post-disaster.

- Generated 20,000 letters to notify residents of confirmed or potential Substantial Damage
- Improved compliance outcomes and increased permit request activity



SD Packet

Settings

General Info

File type SD Packet

Display Settings

Display file on public website?  Displayed



PASCO COUNTY FLORIDA  
Open Spaces. Family Places.

I received a substantial damage determination. What Are My Options?

As required by the Federal Emergency Management Agency's (FEMA) National Flood Insurance Program (NFIP), Pasco County has made a preliminary determination that certain buildings in the floodplain have been substantially damaged. When the cost to repair a building in the special flood hazard area is equal to or greater than 49 percent of the pre-damaged building value (also known as "FEMA's 50% Rule"), the building is considered substantially damaged. This determination is based on the damage assessment conducted by the inspectors following Hurricanes Helene and Milton and estimates the cost of the work required to restore the building to its pre-damaged condition.

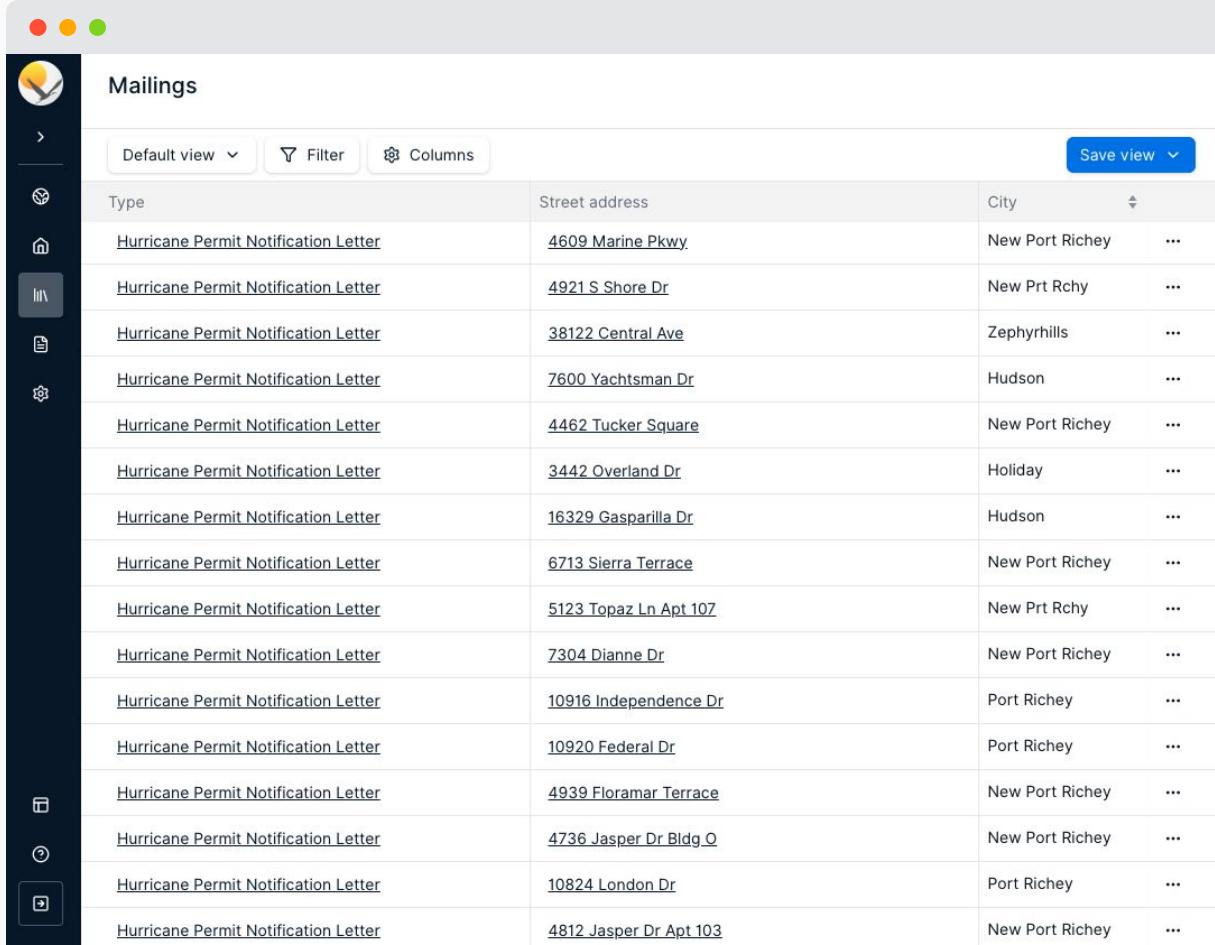
If you received a substantial damage determination letter, you may wish to contact your insurance agent to understand how raising the elevation of your building can reduce NFIP flood insurance premiums. If an NFIP flood insurance policy covered you during Hurricanes Helene and Milton, you should contact your insurance provider to discuss the Increased Cost of Compliance (ICC) coverage, which can help pay for the work required to bring your home into compliance. For more information on ICC coverage and other details related to substantial improvement and damage, please visit us at [mypas.co/47Re9bY](http://mypas.co/47Re9bY)

Due to this preliminary determination, you must choose one of the following options:

- **Option One:** If the property owner would like to keep the existing building, they are required to bring the building into compliance with the current flood damage-resistant provisions of the NFIP and the Florida Building Code (FBC). One significant requirement for newly constructed or substantially damaged buildings is that the lowest floor, as defined in the FBC, must be elevated above the base flood elevation (BFE) as shown on FEMA's flood insurance rate map (FIRM), plus an additional foot of freeboard. This is known as the determined flood protection level (FPL) or BFE + 1'. For more information on how to determine the "lowest floor" of the building, please reference the guidance "Building in a Special Flood Hazard Area at [mypas.co/floodheights](http://mypas.co/floodheights). You may also visit our Flood Information page and search for your specific property for more detailed information at [mypas.co/floodarea](http://mypas.co/floodarea) and [mypas.co/floodareaproperties](http://mypas.co/floodareaproperties)
- **Option Two:** Demolish the existing building and build a new, elevated structure. In some situations, buildings are so severely damaged that they cannot be elevated. For these buildings, demolition may be the only feasible alternative. For owners that want to demolish the building and make that election within the first 90 days, Pasco County will facilitate the demolition at no cost to the owner. Owners will retain all rights to the real property the building was set upon. Owners will need to complete a waiver and Pasco County will coordinate all of the permitting and demolition contracting on behalf of the owner.

# Scaling recovery communications with Automated Mailings.

- Automatically generated and sent letters using property-level data
- Tracked letters and outreach all within the Forerunner platform



The screenshot shows a software application window titled "Mailings". The interface includes a sidebar with various icons and a main table view. The table has three columns: "Type", "Street address", and "City". The "Type" column lists "Hurricane Permit Notification Letter" for each row. The "Street address" and "City" columns show addresses and cities for 20 different entries, such as New Port Richey, Zephyrhills, Hudson, Holiday, and Port Richey. Each row has a "..." button on the far right.

Type	Street address	City
<a href="#">Hurricane Permit Notification Letter</a>	4609 Marine Pkwy	New Port Richey
<a href="#">Hurricane Permit Notification Letter</a>	4921 S Shore Dr	New Prt Rchy
<a href="#">Hurricane Permit Notification Letter</a>	38122 Central Ave	Zephyrhills
<a href="#">Hurricane Permit Notification Letter</a>	7600 Yachtsman Dr	Hudson
<a href="#">Hurricane Permit Notification Letter</a>	4462 Tucker Square	New Port Richey
<a href="#">Hurricane Permit Notification Letter</a>	3442 Overland Dr	Holiday
<a href="#">Hurricane Permit Notification Letter</a>	16329 Gasparilla Dr	Hudson
<a href="#">Hurricane Permit Notification Letter</a>	6713 Sierra Terrace	New Port Richey
<a href="#">Hurricane Permit Notification Letter</a>	5123 Topaz Ln Apt 107	New Prt Rchy
<a href="#">Hurricane Permit Notification Letter</a>	7304 Dianne Dr	New Port Richey
<a href="#">Hurricane Permit Notification Letter</a>	10916 Independence Dr	Port Richey
<a href="#">Hurricane Permit Notification Letter</a>	10920 Federal Dr	Port Richey
<a href="#">Hurricane Permit Notification Letter</a>	4939 Floramar Terrace	New Port Richey
<a href="#">Hurricane Permit Notification Letter</a>	4736 Jasper Dr Bldg.O	New Port Richey
<a href="#">Hurricane Permit Notification Letter</a>	10824 London Dr	Port Richey
<a href="#">Hurricane Permit Notification Letter</a>	4812 Jasper Dr Apt 103	New Port Richey

# Improving compliance tracking.

- Centralize property damage information and notice letters on property profiles
- Allowed residents to self-serve information and submit inquiries or permits online

Add new Compliance Extension

**Compliance Extension**  
123 Flood Ave Floodie, FL 12345

A complete Substantial Improvement Packet (SIP) (either the [paper copy](#) or the [online application](#)) is required. It must include colored photos of all interior rooms (bathroom, kitchen, living room, dining room, bedroom, and any additional living space) and the exterior of the structure.

Note: A compliance extension may be revoked if the appropriate documentation is not provided. The extension can be up to one year from April 14, 2025, and must make a good faith effort to mitigate the damaged structure.

**Full Name \***

**Email Address \***

**Have you applied for a permit to conduct repairs? \***

If you answered 'No' to the previous question, please select a reasoning below. (SIP and Photos Required)

If you answered 'other', please explain:

**Photos of interior of structure**

## Planning ahead for next hurricane season.

- Improve PDA process in anticipation of future events
- Train 100–150 staff members on PDA and SDE workflows
- Centralize fieldwork, data, and inspection processes in the Forerunner mobile app



## Please let us know if Forerunner can lend a hand to your community.

- If you're a Forerunner partner, reach out for a deeper walkthrough of our features.
- Forerunner offers free pilot licenses, and can extend the pilot period for affected communities.
- Our team dedicates a small amount of time to volunteer for post-disaster data entry + GIS support.



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**Thank you!**

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**jt@withforerunner.com**



Conn Cole  
**conn@withforerunner.com**