



# The Hurricane Go-Pack: An Initiative To Provide Natural Disaster Relief

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## Introduction

As an initiative to provide comfort and practical assistance during a hurricane, Holly Hanessian, research project supervisor and mentor, created the first Hurricane Art Kit. To further amplify the conventionality of the Hurricane Art Kit, this research initiative propelled phase two of providing aid during a category 5 hurricane, The Hurricane Go-Pack Prototype.

## Future Research

As an initiative to provide aid in at-risk communities, this project mainly consisted of preliminary material research to compile the kit. Once placed in their corresponding county libraries, the prototypes will be assessed with proper metrics to evaluate their performance.

## Definitions

**Bluesign®**- a holistic system providing solutions in sustainable processing and manufacturing to industries - ensuring transparency & traceability of all processing steps down to the raw materials.

**Libraries As First Responders** - As centralized locations, libraries serve as first responder centers during natural disasters through their partnerships with FEMA personnel, local officials, and emergency responders.

**Library Of Things**- a collection of items for loan that expands the boundaries of traditionally defined library materials.

**RIDER/Resilient Infrastructure & Disaster Response Center**- a joint initiative between FSU & FAMU to leverage technology, data, and multidisciplinary research with a deep understanding of how the unique conditions of each community's physical and social dynamics, available infrastructure, and land use affect resilience.

## The Hurricane Go-Pack Contents

### Little Sun Original By Olafur Eliasson



- Portable solar lamp
- 5 hours of charging in the sun = 50+ hours of light at dimmest setting/ 4 hours at brightest setting
- Battery lifespan of 5 years when used daily
- ROHS and ISO-certified
- Aligned with the project's artistic value & environmental objectives.



### United by Blue 15L Commuter Pack

- The main container of The Hurricane Go-Pack safely stores all components of the prototype.
- Bright cardinal red color for facilitated localization during an emergency
- 100% recycled 600-denier polyester with a durable water repellent (DWR) finish to shed moisture and resist stains



### Co-op Pack In Pack Out Pouches bluesign®

- Used for organizational/protective purposes for each individual item of the Go-Pack.
- Made with an easily identifiable yellow-colored, bluesign® ripstop nylon with a durable water repellent (DWR) finish.

### Sawyer® Water Bottle Filter System

- filtration system & storage container in one
- 34-ounce BPA free water bottle with 0.1 micron absolute hollow fiber membrane inline filter delivers fresh, clean drinking



- Removes 99.99999% of all bacteria, such as salmonella, cholera and E.coli; removes 99.9999% of all protozoa, such as giardia and cryptosporidium, and 100% of microplastics
- Filters up to 100,000 gallons of water

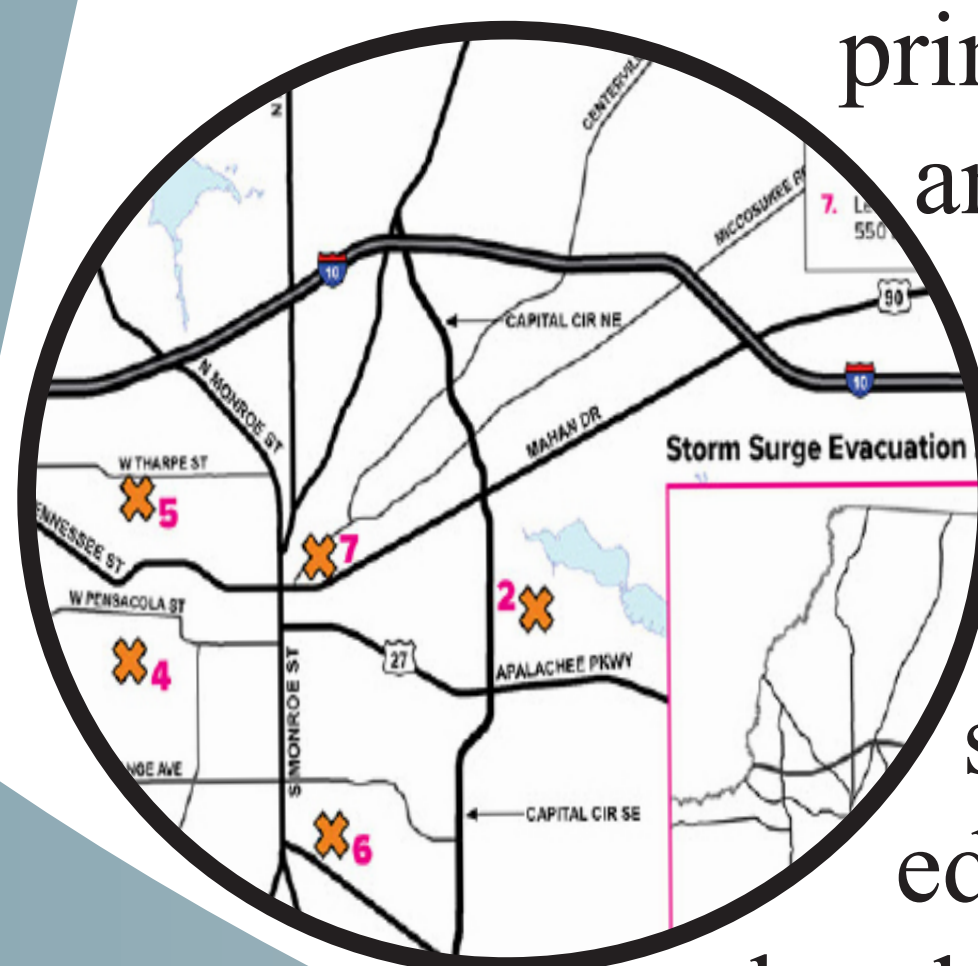
### Cloud-Shaped Hand Soother

This tactile ceramic object was purposefully hand-made to alleviate stress and emotional hardships during the storm.



### Bandana Evacuation Route

- In partnership with the RIDER Center, the research team developed county-specific exit routes to facilitate navigation to primary, medical, and pet-friendly shelters.
- The GIS maps will be screen-printed on a 27" x 27" bandana to simultaneously serve as a drying fabric.



### Multi-Use Kelty Tarp



- Signaling for rescue units,
- Water collection
- Makeshift stretchers for carrying people/sleds for carrying gear & rafts/floatation devices,
- Blocking harmful contamination from the outside, and shielding valuable gear and caches.
- Fully taped seam construction
- Sturdy attached corner guyline with handy storage pocket
- Multiple reinforced guyout points
- Shelter Capacity: 20 Individuals

## References

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## Acknowledgments

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