



# FLORIDA HURRICANE LOSS MITIGATION PROGRAM 2013 ANNUAL REPORT

Marianne Arbulu

Program Liaison

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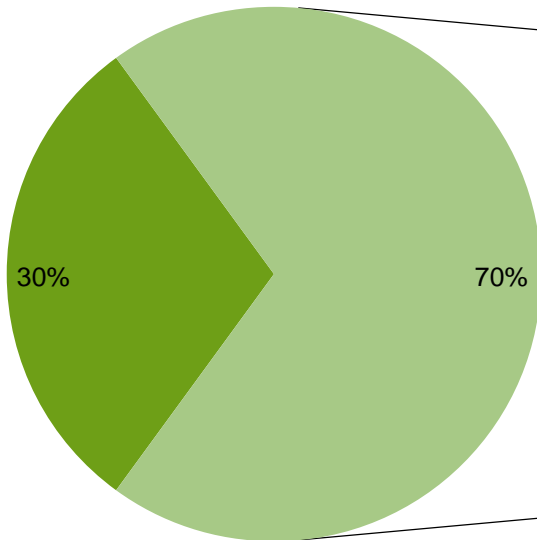


# INTRODUCTION

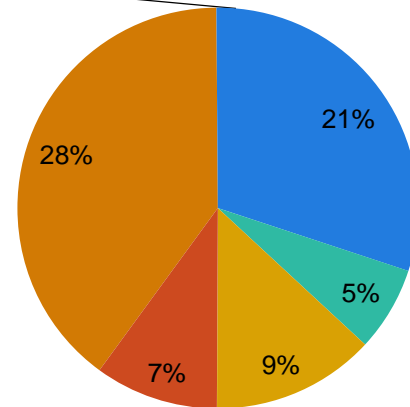
- The purpose of the program is to improve the wind resistance of structures to prevent or reduce losses or reduce the cost of rebuilding after a disaster
- Methods include structure retrofits, education and research
- Established under the Division of Emergency Management as authorized under Section 215.559 Florida Statutes
- The program receives an annual appropriation of \$10 million from the Florida Hurricane Catastrophe Fund authorized under Section 215.555 (7)(c) Florida Statutes

# FUNDING ALLOCATION

## 2013 Funding Allocation



\$10,000,000



\$7,000,000

- Public Shelters
- Mbl Tie Dwns
- Retrofits
- Outreach
- Bldg Code
- Research

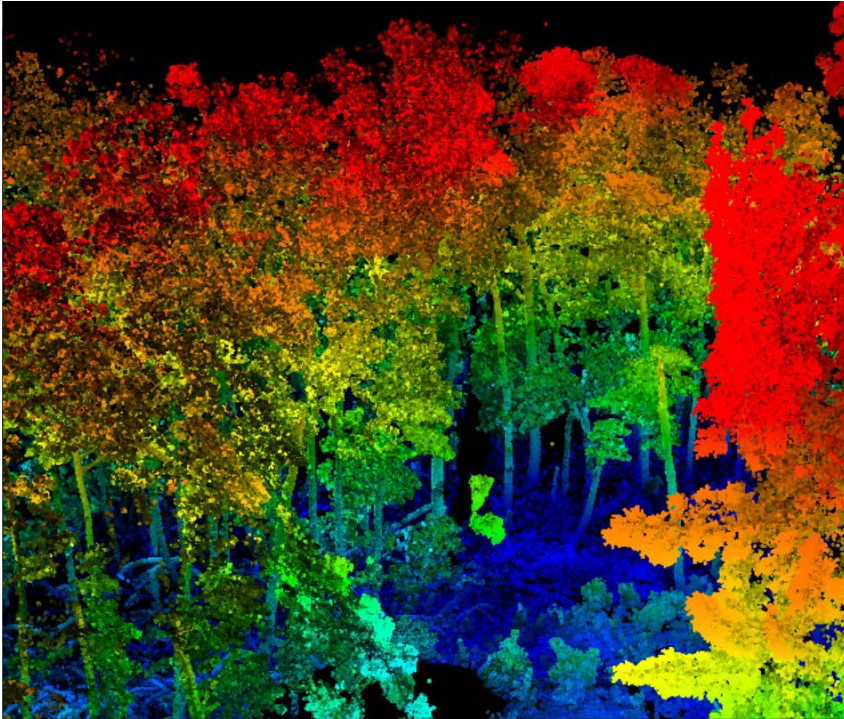
# MOBILE HOME TIE DOWN PROGRAM

The program is administered by Tallahassee Community College and the funding amount is defined in Section 215.559 (2)(a) Florida Statutes being 40 percent of (1)(a)

## Results (ending SFY 2013)

- Seven municipalities served
- Eleven mobile home communities
- 2,960 mobile homes received tie-downs

# MITIGATION RESEARCH



Terrestrial LiDAR point measurements  
blue to red equals low to high tree  
heights

## Florida International University

- Wind engineering – design loads and attachment provisions for inclusion in future building code and ASCE 7 standards
- Measurement of vertical surface roughness using terrestrial LIDAR for future use in evacuation studies

# MITIGATION OUTREACH



Miami Science Museum  
3280 South Miami Avenue Miami, FL 33129

Limited Parking: Please consider using public transportation: from Metrorail, exit at the Vizcaya Station and cross U.S. 1 via the pedestrian overpass.

Sponsored by



miami science museum  
THE FUTURE BEGINS HERE



With the support of the Miami-Dade County Department of Cultural Affairs and the Cultural Affairs Council, the Miami-Dade County Mayor and Board of County Commissioners.



Sponsored in part by the State of Florida, Department of State, Division of Cultural Affairs, the Florida Council on Arts and Culture.



## Florida International University

- Wall of Wind Challenge - 200 attendees, media coverage valued at \$8,824.72
- Feel the Force – science, preparedness and mitigation event, 1500 in attendance and media coverage valued at \$12,713.20
- National Hurricane Survival Initiative – a preparedness collaboration with media coverage valued at \$6,944.36

**GET A PLAN!**  
FLORIDA DIVISION OF  
EMERGENCY MANAGEMENT



# RESIDENTIAL CONSTRUCTION MITIGATION

## Retrofit Grant Criteria - SFY 2013

- Maximum award of \$150,000
- Review panel evaluates and scores applicants
  - Need and priority
  - Local mitigation strategy objectives



## Results

- Ten grants covering seven counties
- Award totals \$1,404,317
- Award utilization \$1,228,609 or 87%
- 109 structures (167 units) received retrofitting with an average cost of \$7,357 per unit



# RESIDENTIAL CONSTRUCTION MITIGATION

## Outreach Criteria – SFY 2013

- Maximum award of \$150,00
- Review panel evaluates applicants' overall highest average technical score plus price score

## Results

- Four contracts awarded for \$480,572 with utilization of 87% or \$420,566
- Produced 49 workshops and six webinars for the general public
- Produced ten mitigation training events and five presentations for local government officials and staff



# BUILDING CODE COMPLIANCE TRAINING

- The purpose of this program is to provide training and continuing education classes for Florida contractors
- It is administered by the Florida Department of Business and Professional Regulation and Building a Safer Florida, Inc., as authorized by Section 553.841(3), Florida Statutes
- As of SFY 2014, the program secured other funding sources and the \$925,000 set aside will be incorporated into the wind retrofit budget
- During SFY 2013, expenditures totaled \$636,744 representing a 68% allocation utilization

# PROGRAM EFFECTIVENESS

- Every applicant is reviewed for qualifications and experience
- Every retrofit project undergoes a cost-benefit analysis
- Every completed retrofit project results in systemic structural improvement to withstand hurricane force winds



# QUESTIONS?

## Thank You

Marianne Arbulu, MPA

Bureau of Mitigation Program Liaison

[Marianne.arbulu@em.myflorida.com](mailto:Marianne.arbulu@em.myflorida.com)

850.413.9951