## Hurricane Matthew Community Recovery Study for Lumberton, NC

## *Center for Risk-Based Community Resilience Planning*

## *A U.S. National Institute of Standards and Technology-funded Center of Excellence*

**OMB CONTROL NO. 0693-0078**

**Expiration date: 07/31/2022**

***Please confirm you are a Lumberton resident above 18 years of age, and consent to participate in this survey by marking the circle.*** ⃝ I am above 18 years of age and consent to participate in this survey.

***The first set of questions is about your household in general.***

1. **How many adults (18 years or older) live in your household?**.....………….. #\_\_\_\_\_\_\_\_\_Adults
2. **How many children (younger than 18 years) live in your household?**...... #\_\_\_\_\_\_\_\_\_Children
3. **When did you move into your current home?** ………………………………Month:\_\_\_\_\_\_\_\_\_ Year:\_\_\_\_\_\_\_\_\_\_
4. **Was your home damaged by Hurricane Matthew or Hurricane Florence?**

*(Please mark the choice that most closely matches)*

⚪ Hurricane Matthew, only ⚪ Yes, by both Hurricanes Matthew and Florence ⚪ Hurricane Florence, only ⚪ No, neither hurricane damaged my home

⚪ Don’t know

1. **If yes, how would you characterize the status of repairs on your home?**
   1. Completed
   2. Somewhat completed
   3. Very little completed
   4. Not at all completed

***The next questions are going to ask about your household’s perceived preparedness now.*** ***Please mark the option that most closely matches your experience or situation.***

1. **Do you rent or own your home?**  ⚪Own ⚪Rent ⚪Other, please specify:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**If you own your home, Yes No Don’t Know**

Do you have flood insurance?.............…………………………………………………… ⚪ ⚪ ⚪

Do you have homeowners’ insurance?....................................................... ⚪ ⚪ ⚪

Do you believe you have adequate insurance coverage for a flood event?.⚪ ⚪ ⚪

Do you have a mortgage?...…………………………………………………………………… ⚪ ⚪ ⚪

1. **Did you apply for, and/or receive a home repair grant from the government (HUD/CDBG-DR)?**
   1. **Apply? (Y/N)**
   2. **Receive? (Y/N)**
   3. **If received, when? (MM/YY)**
2. **How has your participation with neighborhood and/or community groups changed since the COVID-19 pandemic?**

⚪Decreased ⚪Stayed the Same ⚪Increased ⚪Don’t know

1. **How has your contact with neighbors and/or extended family and friends changed since the COVID-19 pandemic?**

⚪Decreased ⚪Stayed the Same ⚪Increased ⚪Don’t know

1. **How many major floods or hurricanes have you experienced first-hand in your lifetime?** #\_\_\_\_\_\_\_\_Floods
2. **How likely do you think your home is to be damaged during a major flood event, similar to Hurricane**

**Matthew or Hurricane Florence?**

⚪Extremely unlikely ⚪Unlikely ⚪Neutral ⚪Likely ⚪Extremely likely

1. **If given evacuation orders, how likely is your household to evacuate your home during a future major flood event, similar to Hurricane Matthew or Hurricane Florence?**

⚪Extremely unlikely ⚪Unlikely ⚪Neutral ⚪Likely ⚪Extremely likely

**The next set of questions asks about the recovery of your home, your household, your neighborhood and Lumberton from Hurricanes Matthew and Florence and the COVID-19 pandemic.**

1. **When thinking about your home (the physical building in which you live), would you say your home is:**
   1. **Fully recovered**
   2. **Partially recovered**
   3. **Still in survival/response mode**
   4. **Will never recover**
2. **When thinking about your household, would you say your household is:** 
   1. **Fully recovered**
   2. **Partially recovered**
   3. **Still in survival/response mode**
   4. **Will never recover**
3. **When thinking about your neighborhood, would you say your neighborhood is:**
   1. **Fully recovered**
   2. **Partially recovered**
   3. **Still in survival/response mode**
   4. **Will never recover**
4. **When thinking about Lumberton, would you say Lumberton is:**
   1. **Fully recovered**
   2. **Partially recovered**
   3. **Still in survival/response mode**
   4. **Will never recover**
5. **Do you and your household have the same access to school, work, grocery stores, and other essential needs in this home as you did before the hurricanes and COVID-19?**
   1. **Yes**
   2. **No**
   3. **DK**
6. **Do you and your household plan to move to a different housing unit within the next year?**
   1. **Yes**
   2. **No**
   3. **DK**

***The next set of questions ask about mitigation and preparedness strategies used by your household now or that you plan to put in place in the next six months.***

1. **Currently, has your household: Yes No Don’t Know**
   1. Elevated hot water heater and/or HVAC?................................................ ⚪ ⚪ ⚪
   2. Re-routed ductwork from below floor to attic space? …………………………. ⚪ ⚪ ⚪
   3. Developed an emergency plan with household members? ………………... ⚪ ⚪ ⚪
   4. Gathered supplies to last 3 or more days?.............................................. ⚪ ⚪ ⚪
   5. Sought information on mitigation or preparedness? ………………………….. ⚪ ⚪ ⚪
   6. Set money aside for recovery or repairs? ………………………………………….. ⚪ ⚪ ⚪

1. **In the next 6 months, does your household plan to: Yes No Don’t Know**
   1. Elevate hot water heater and/or HVAC?................................................ ⚪ ⚪ ⚪
   2. Re-routed ductwork from below floor to attic space? …………………………. ⚪ ⚪ ⚪
   3. Develop an emergency plan with household members? ………………….. ⚪ ⚪ ⚪
   4. Gather supplies to last 3 or more days?................................................ ⚪ ⚪ ⚪
   5. Seek information on mitigation or preparedness? ……………………………. ⚪ ⚪ ⚪
   6. Set money aside for recovery or repairs? …………………………………………. ⚪ ⚪ ⚪

1. **Do you have the option to provide any utility services, even if temporarily, for your household?**

(please select all that apply)

⚪ Yes, power generator ⚪ Yes, solar panels ⚪ Yes, water storage tank(s)

⚪ Yes, gas tank(s) ⚪ Yes, community wi-fi ⚪ Yes, community information hub

⚪ Other, please explain: ⚪ No ⚪ Don’t know

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| **a. Do you have the option to provide utility services, even if temporarily for yourself for the following utilities?** | | **b. If yes, indicate how: (e.g., generator, solar panels, water storage tanks, gas tanks, community Wi-Fi, other)** | **c. With your resources in mind, for how long, in days, could you tolerate a future service disruption?** |
| Power | Yes No |  | # \_\_\_\_\_\_\_\_Days |
| Gas | Yes No |  | # \_\_\_\_\_\_\_\_Days |
| Water | Yes No |  | # \_\_\_\_\_\_\_\_Days |
| Cellular | Yes No |  | # \_\_\_\_\_\_\_\_Days |
| Internet | Yes No |  | # \_\_\_\_\_\_\_\_Days |

|  |  |
| --- | --- |
| **Are you informed of any planned outages in a timely manner for …?** | |
| Power | Yes No DK NA |
| Gas | Yes No DK NA |
| Water | Yes No DK NA |
| Cellular | Yes No DK NA |
| Internet | Yes No DK NA |

|  |  |
| --- | --- |
| **if it meant improved performance during and after hazards, are you willing to have a rate increase for …?** | |
| Power | Yes No DK NA |
| Gas | Yes No DK NA |
| Water | Yes No DK NA |
| Cellular | Yes No DK NA |
| Internet | Yes No DK NA |

***The next set of questions are intended to capture the impacts of COVID-19 on your household.***

1. **How has COVID-19 impacted repairs to your home?**

No impact Minor impact Neutral Moderate impact Major impact Don’t know

⚪ ⚪ ⚪ ⚪ ⚪ ⚪

1. **How has COVID-19 impacted your household’s recovery from Hurricane Florence?**

No impact Minor impact Neutral Moderate impact Major impact Don’t know

⚪ ⚪ ⚪ ⚪ ⚪ ⚪

1. **Were members of your household unable to work because of COVID-19?**

⚪ Yes ⚪ No ⚪ Don’t know

* 1. **If yes, how long was your household member unable to work?** (Please enter the number of days) #\_\_\_\_\_\_Days

1. **Were members of your household reduced to part-time work because of COVID-19?**

⚪ Yes ⚪ No ⚪ Don’t know

**If yes, how long was your household member reduced to part-time work?** # \_\_\_\_\_\_\_\_Days

***If you answered YES to either question 18 or 19, please also answer questions 20 and 21:***

1. **Were you or other household members unable to work or reduced to part-time because of:**

(Mark all that apply):

⚪ Temporary closure of place of employment ⚪ Childcare issues

⚪ Permanent closure of place of employment ⚪ Health issues

⚪ Other, please explain\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Would you say the disruption to your household’s income has been:**

⚪ Significant ⚪ Moderate ⚪ Minimal ⚪ None ⚪ Don’t know

***Finally, there are six questions about your household in general.***

1. **Do you have any individuals with special electricity-dependent medical needs in your house?** ⚪ Yes ⚪No

(Examples include individuals who require power wheelchairs, ventilators, oxygen

concentrators, CPAP and other sleep apnea devices.)

1. **When considering all members in your household, what is the highest level of schooling completed?**

⚪ Less than high school ⚪ Associate’s degree ⚪Master’s degree or higher

⚪ High school diploma ⚪ Bachelor’s degree

1. **While we often ask about each member of a household, in general, when considering your household, how would you describe its ethnicity?** You may skip this question.

⚪ Hispanic or Latino ⚪ Not Hispanic or Latino

1. **While we often ask about each member of a household, in general, when considering your household, how** **would you characterize its racial makeup?** (Select one or more) You may skip this question.

⚪ American Indian or Native American ⚪ Asian ⚪ Black or African American

⚪ Native Hawaiian or Pacific Islander ⚪ White or Caucasian

1. **Do you consider your household a female-headed household?** ⚪ Yes ⚪ No ⚪ Don’t know

This is when a household is maintained by a female with no spouse present.

1. **Finally, we do not want to know the exact amount, but please mark the category that best captures your household’s combined annual income:**

⚪ $1 to $3,999 ⚪ $4,000 to $5,999 ⚪ $6,000 to $7,999 ⚪ $8,000 to $9,999

⚪ $10,000 to $11,999 ⚪ $12,000 to $14,999 ⚪ $15,000 to $19,999 ⚪ $20,000 to $24,999

⚪ $25,000 to $29,999 ⚪ $30,000 to $39,999 ⚪ $40,000 to $49,999 ⚪ $50,000 to $59,999

⚪ $75,000 to $99,999 ⚪ $100,000 to $149,999 ⚪ $150,000 or higher

***Thank you again for completing our survey!***

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