SOCIAL VULNERABILITY AND PARTICIPATION IN DISASTER RECOVERY DECISIONS: Public Housing in Galveston after Hurricane Ike Sara Hamideh¹ Jane Rongerude

6 Abstract

Hurricane Ike caused massive damages to Galveston Island's residential structures 7 including four public housing developments in September 2008. These 8 developments were located in neighborhoods with some of the lowest incomes and 9 highest percentages of people of color on the Island. Four months later the Galveston 10 Housing Authority (GHA) decided to demolish all four developments consisting of 11 569 housing units due to the damages to the buildings. Today, despite federal 12 regulations requiring reconstruction, court orders mandating replacement of the 13 demolished units, and available funding, only 142 low income apartments have been 14 rebuilt. We used the social vulnerability framework to understand these outcomes 15 through the ability of groups to shape post-disaster recovery decisions. This paper 16 argues that one of the overlooked characteristic of social vulnerability is a 17 diminished ability to participate in post-disaster decision-making. There were few 18 local advocates arguing for the preservation of public housing units and even fewer 19 remaining residents to speak up for themselves in the face of strong local resistance 20 to the reconstruction of public housing units or the return of public housing residents. 21 The void of a strong and authentic local pro-public housing perspective in Galveston 22 provided an opening for various local campaigns to claim that their desired plan 23 benefitted the poor. The disaster recovery became an opportunity to remove or 24 reduce public housing units and therefore, public housing residents. 25

26 Introduction

On the morning of September 13th 2008, Hurricane Ike crossed between 27 Galveston Island and Bolivar Peninsula in Texas as a Category 2 storm, causing 28 \$29.5 billion in damage to the Houston-Galveston area, making it one of the costliest 29 storms in U.S. history (Berg, 2009). The 10 to 15 feet waves generated by the storm 30 damaged more than 75% of the island's residential structures including four public 31 housing developments. These developments were located in neighborhoods with 32 some of the lowest incomes and highest percentages of people of color on the Island 33 and had long been viewed by city leaders as a barrier to revitalization. Four months 34

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later the Galveston Housing Authority (GHA) decided to demolish all four
developments consisting of 569 housing units due to the damages to the buildings.
Today, despite federal regulations requiring reconstruction, court orders mandating
replacement of the demolished public housing units, and available funding to finance
reconstruction, only 282 mixed income apartments have been rebuilt with only half
of those set aside as affordable units and less than half of the displaced public
housing families remain on the Island.

Disasters magnify pre-existing social and economic trends in places without 42 fundamentally changing them (Kates, 1977). The concept of social vulnerability 43 recognizes that the social inequalities embedded in local sociopolitical systems prior 44 to a disaster inhibit the ability of different groups of people to cope with and rebound 45 from disaster events (Blaikie, Cannon, Davis, & Wisner, 1994). It helps explain how 46 and why residents of public housing, for example, face greater uncertainties and 47 obstacles for housing recovery than the general population. The social vulnerability 48 framework has enriched our understanding of disparities in the quality of pre-49 disaster housing, exposure to hazards, levels of damage, and access to response and 50 recovery resources and information. However, despite the implicit recognition that 51 pre-disaster conditions shape post disaster outcomes, the literature has little to say 52 about the relationship between social vulnerability and the ability of groups to shape 53 post-disaster recovery decisions. This relationship is especially important for public 54 housing residents whose very ability to remain housed is contingent on an often 55 tenuous social contract. 56

This papers argues that one overlooked characteristic of social vulnerability 57 is a diminished ability to participate in post-disaster decision-making. Unable to 58 return to their homes after Hurricane Ike, public housing residents in Galveston 59 scattered across the region and most found housing off the Island. When a 60 contentious public process revealed strong local resistance to the repair of public 61 housing units or the return of public housing residents to their communities, there 62 were few local advocates arguing for the preservation of public housing units and 63 even fewer remaining residents to speak up for themselves. The void of a strong and 64 authentic local pro-public housing perspective provided an opening for various local 65 campaigns to claim that their desired plan benefitted the poor. The disaster recovery 66 became an opportunity to remove or reduce public housing units and therefore, 67 public housing residents. 68

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70 Literature Review: Social Vulnerability, Public Housing, and Recovery

71 Outcomes

Social vulnerability acknowledges that disaster risk is not distributed evenly 72 across a population or a place. Damage levels, for example, are not simply due to 73 the force of the hazard agent itself, but are also related to income, race/ethnicity, 74 housing type and tenure, and neighborhood characteristics (Maly & Shiozaki, 2012; 75 Bolin, 1982 & 1985; Bolin & Bolton, 1983 and 1986; Peacock & Girard, 1997; Van 76 Zandt, Peacock, Henry, Grover, Highfield, & Brody, 2012; Gotham, 2014; 77 Highfield, Peacock, & Van Zandt, 2014; Peacock et al., 2014). The relationship 78 between high levels of damage and social vulnerability (Grigsby, 1963; Myers, 79 1975) are partly due to the fact that older, lower valued, and poorer quality homes 80 are more likely to house low-income and minority populations (Van Zandt et al., 81 2012; Peacock et al., 2014). Consequently, the physical and social concentration of 82 damage lead to very different recovery trajectories for housing in lower-income and 83 minority neighborhoods (Chang, 2010; Comerio, 1997; Green, Bates, & Smyth, 84 2007; Green & Olshansky, 2012; Zhang, 2012). 85

Post-disaster financial aid programs are usually based on housing loss and are 86 largely oriented toward the needs of home owners (Freeman, 2004). Hence, renters 87 or public housing residents often receive very limited and only short-term housing 88 assistance, which exacerbates socioeconomic inequalities and hinders equitable 89 housing recovery (Oliver-Smith 1990). Furthermore, these groups have little say 90 regarding rebuilding/repair decisions or the potential for remaining in place, 91 regardless of the damage to their home (Comerio, 1997). The literature also suggests 92 a tendency for the owners of rental properties to increase rents once repairs are 93 complete, targeting higher-income renters, perhaps in the hopes of recouping 94 reinvestments more quickly (Quarantelli, 1982; Drabek & Key, 1984; Morrow & 95 Peacock, 1997; Morrow & Enarson, 1997; Bolin & Stanford, 1998). Such decisions 96 may reduce the availability of post-disaster rental housing for lower-income 97 households, revealing a link between social vulnerability and post-disaster recovery. 98

By definition, public housing communities are socially vulnerable. Public 99 housing in the United States is only available to households with incomes at 30% of 100 the Area Median Income (AMI) or less. Public housing communities often have 101 more residents of color and higher concentrations of poverty than the general 102 population within a given jurisdiction. Furthermore, public housing itself has little 103 political or public support at the local or federal levels. Since the early 1970s, there 104 has been a steady national trend of dismantling public housing communities. 105 Through federal programs such as HOPE VI and Choice Neighborhoods, local 106 public housing authorities (PHAs) have replaced public housing units with mixed 107 income developments or household-based subsidies such as the Housing Choice 108

Voucher. To date, more than 98,592 public housing units have been lost nationally².
A growing number of rent burdened low income households are competing for a shrinking number of housing subsidies, leaving a significant segment of low income households trapped in substandard, overcrowded, and overpriced housing (Kamel, 2012).

Unlike other types of housing, particularly owner-occupied single-family 114 housing, there is no previously agreed upon course of action for permanent recovery 115 of public housing after disasters and consequently their fate is open to discussion by 116 different political agendas. Furthermore, local governments have little economic 117 incentives for rebuilding and sometimes face great political resistance against 118 replacing lost affordable housing units. As a result, PHAs have seized the 119 opportunity to demolish public housing after disasters using emergency disaster 120 funding (Graham, 2012). The most well-known example of this dynamic comes 121 from New Orleans where the displaced tenants of public housing developments and 122 other renters were significantly underrepresented in the city's and state's recovery 123 plans for mixed income replacement despite heavy damage to rental housing (Clark 124 & Rose, 2007) and the large proportion of renters in the pre-Katrina housing market. 125

Participation in local recovery debates provides the opportunity to shape 126 housing recovery outcomes. Disadvantaged communities are often more vulnerable 127 to disaster impacts not just because of the inherent lack of wealth, but because pre-128 disaster decisions were made about features of risk and vulnerability in these 129 communities without the input or consent of residents (Dash, Peacock, & Morrow, 130 1997). Post-disaster, these populations continute to have little access to political 131 power and often face significant barriers to participating in public recovery 132 dialogues. The displacement of public housing residents outside their communities 133 further limits their ability to participate in open forums and enables exclusionary 134 decision making about recovery. Consequently the fate of public housing residents 135 is open to public debate and vulnerable to cooptation by local political agendas. 136

137 Methods and Data Analysis Techniques

This study began with the question, "Why has public housing not been rebuilt in Galveston despite court orders and federal regulations requiring one-for-ne replacement of all lost units?" Research for this study began three and a half years following Hurricane Ike and included two data collection techniques: in-depth interviews³ and archival research. The interviews included representatives of

² <u>https://www.huduser.gov/portal/pdredge/pdr-edge-research-032017.html</u>

³ Sara Hamideh, the first author on this paper, conducted these interviews as part of her dissertation research. See (Hamideh, 2015).

organizations involved in recovery efforts and decisions, particularly those related 143 to public housing. These organizations were identified based on media articles and 144 relevant websites. Potential participants including GHA board members, city council 145 members, local advocates and activists, and Long Term Recovery Committee 146 leaders were called or emailed up to three times each to solicit their participation in 147 the study. The first author also identified an additional 10 potential interviewees 148 using referral sampling (Biernacki & Waldorf, 1981). Interviewees were categorized 149 by priority, based on their proximity to Galveston, job position, responsibilities 150 within the city at the time of the study, and sustained involvement in the long-term 151 recovery process and public housing debates in Galveston. 152

The interviews included a total of 18 individuals representing 153 21 organizations: representatives of three local government agencies, two local NGOs, 154 two local nonprofit agencies, four churches and charity organizations, two 155 businesses, two universities, and six local officials. Of the organizations interviewed, 156 only GHA was focused on public housing. Fourteen of the organizational 157 interviewees were non-Hispanic white. Four were African American including one 158 representative of a government agency, two reverends, and one local NGO director. 159 Eleven interviewees were men and seven were women. Most interviewees were over 160 the age of 40. 161

The interviews were all semi-structured, allowing us to gather similar 162 information from each respondent while also allowing new topics to develop (Berg, 163 2007; Weiss, 1994). Interviews were designed to take between 30 and 45 minutes 164 each, but some interviews lasted up to two hours. Interviews were conducted at the 165 place of the interviewees' choosing, often their workplace in Galveston. Interviews 166 were audio recorded and transcribed verbatim. The first author wrote detailed 167 fieldnotes and uploaded these and the transcripts to Atlas.ti sotware which was used 168 for qualitative analysis. 169

We collected and reviewed 174 documents including Galveston long-term 170 recovery plan, GHA public housing rebuilding plans and annual reports, GHA press 171 releases, lawsuits, legal complaints, and court orders related to public housing, 172 newspaper and other forms of media reporting about public housing in Galveston, 173 professional reports commissioned by Galveston City Council about public housing, 174 blog posts, video recordings of city council meetings, and video recordings of GHA 175 press conferences. City Council and GHA board meetings were of particular 176 importance to our study because they offered the only formal opportunities for 177 former residents to participate in the debates. We reviewed all of the 205 city council 178 meeting minutes posted on City of Galveston official website that cover council 179 meetings between September 2008 and December 2014 and found 24 meetings 180 during which public housing rebuilding schemes were discussed or issues were 181

raised with respect to public housing. We also reviewed all of the 83 GHA Board
meeting minutes between January 2010 and December 2014 posted on the GHA
official website and found 23 meetings during which public housing rebuilding
schemes were discussed or issues were raised with respect to public housing. We
uploaded these documents and recordings to the Atlas.ti software for qualitative
analysis.

We coded and recoded the data in three stages (Saldaña, 2009). First, we 188 performed open coding of basic themes only. Then, we examined relationships 189 between basic themes, and performed axial coding to connect similar themes 190 together under larger concepts. Finally, after identifying core concepts from axial 191 coding, we started selective coding of the data in relationship to these larger ideas. 192 Working through the data, we generated theoretical memos that highlighted key 193 issues and their connections in the data. Themes related to the arguments against 194 rebuilding public housing and arguments for replacing it with mixed-income, 195 inclusion and participation of former residents, recovery visions and agendas that 196 involved public housing, and descriptions of former residents and public housing in 197 the debates provide the basis for the results discussed below. Our selective coding 198 focused on understanding whether former residents of public housing were 199 participating in the debates about rebuilding their homes and how social 200 vulnerability limited their participation. 201

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203 Housing affordability in Galveston

In the past few decades, Galveston's port activities have declined while beach-204 related and historical tourism has become the Island's fastest growing industry 205 (Angelou Economics, 2008; Gulf & South Atlantic Fisheries Foundation, 2010). 206 Service jobs are essential for the operation of this Galbeston's tourism industry and 207 bring a significant amount of revenue to the city, however, they are typically low-208 skill, low wage work. According to Longitudinal Employer-Household Dynamics 209 (LEHD) data, 14.7% of the 34,480 jobs in Galveston in 2008 were in the 210 accommodation and food services industries which serve the tourism economy. 211 From all the jobs in the City, 27% earned empolees \$1250 or less a month. Also, on 212 a higher estimate, Angelou Economics reported that Galveston's tourism industry 213 provided approximately 9,300 or more than 30% of all jobs in the city prior to Ike. 214 On average, annual earning of employees in Galveston's tourism sector was only 215 \$20,610 (Angelou Economics, 2008⁴). 216

⁴ Labor and wage calculations were produced using software created by the Minnesota IMPLAN Group (Angelou Economics, 2008).

The city had done little prior to Ike to address the housing needs of low-wage 217 earners. During the three-year period before the storm, almost 46% of the renter 218 households in Galveston were paying more than 30% of their household income for 219 housing, a threshold used by the Department of Housing and Urban Development 220 (HUD) to indicate rent burden. More specifically, 90% of the low income5 renters 221 and 76% of low income homeowners in Galveston spent more than 30% of their 222 income on housing expenses prior to Hurricane Ike (2007 American Community 223 Survey 3-Year Estimates). One resident described housing affordability on the 224 Island before Ike this way: 225

They [are] only paying you minimum wage for all that, and that's not enough money to survive on, on this island. For people like me, especially with four kids, that's not gonna work. You can't survive off of that. That's gonna pay a light bill. If you got a car that's your gas and lights, and you might not even have enough gas to get to work for the whole week. (As cited in Nolen et al., 2014)

Since the hurricane of 1900, a 10-mile long, 17' high seawall has largely 232 protected residential structures in Galveston during storms. It has also shaped 233 development on the Island, separating year-round and working class neighborhoods 234 from seasonal and affluent neighborhoods. The vast majority of Galveston's year-235 round residential housing is located behind the seawall in the city's urban core, 236 where housing affordability is greater. The median value of owner occupied housing 237 in the urban core of the city is \$122,000, whereas in the Island vacation areas, the 238 median home price for single family homes is \$178,000 (2005-2009 ACS, census 239 track data). Increasing market demands for vacation housing have pushed 240 development and investment outside the seawall toward the east and west ends of 241 the Island. In these areas, 55% of the housing is vacant and over 72% of this vacant 242 housing is for seasonal or vacation use. In the urban core, 24.9% of the units are 243 vacant and only 16.8% of those vacancies are due to seasonal or vacation use. 244 Despite the increasing disinvestment in the urban core neighborhoods, they have 245 remained a stable and affordable option for the city's low income residents. 246

Both housing quality and housing affordability were major issues on the Island prior to Ike and public housing filled a significant gap in the housing market. In 2000, 69.2% of the renters in Galveston were very low-, low- or moderateincome⁶ (GHA, 2008). GHA operated 990 public housing units and 1,213 Section 8 units. Most individuals living in public housing have one or more characteristic of social vulnerability. From the 850 families that were living in GHA's public housing

⁵ Annual household income less than 20000

⁶ Extreme need was determined based on percent of the very low income population that paid more than 30% of income for rent. More than 30% of the very low income population were paying more than 30% of income for rent

units, 82% were extremely low income, 42% had a disability, 86% had children,
39% were elderly, and 67% were African American, as Table 1 shows. GHA had a
waiting list almost equal to its total number of existing units and vouchers. As Table
2 shows, the year before Ike, a total of 852 families were on the waiting list for public
housing alone, where 93% were extremely low income and 57% were AfricanAmerican. An additional 824 families were on the Section 8 waiting list with 73%
identified as "extremely low income" and 76% as African-American (GHA, 2008).

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- 261 [Table 1 about here]
- 262 [Table 2 about here]
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Despite the Island's substantial affordable housing needs, local leaders had 264 been attempting to demolish exisiting public housing since 1980s (Lord, 2011). In 265 2005, GHA razed Old Palm Terrace, a 228-unit public housing development, and 266 replaced it with The Oaks, a new subdivision with 28 subsidized single-family 267 homes and 10 duplexes. GHA's 2008 5-year plan set a goal to increase rental 268 vouchers, while decreasing the agency's portfolio of public housing units. GHA 269 planned to apply to HUD to receive Replacement Housing Factor funding to 270 demolish and replace units in one of the older complexes, Palm Terrace. Once HUD 271 funding became available, GHA intended to submit HOPE VI applications for both 272 Oleander Homes and Palm Terrace Annex to redevelop those sites as mixed-income 273 developments (GHA, 2008). These projects would have further reduced the city's 274 stock of physical public housing units. 275

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278 **Public housing and displacement after Ike**

GHA owned 990 public housing units prior to Ike. Out of those units, 528 apartments 279 suffered substantial damages from the Hurricane, resulting in the immediate 280 displacement of 578 households (GHA, 2011). Approximately four months after the 281 storm, the GHA board decided to raze two large public housing developments 282 immediately, Oleander Homes and Palm Terrace, that made up more than half of of 283 their multifamily units. In addition, the Board proposed renovatation of Cedar 284 Terrace and Magnolia Homes (GHA, 2009) or the rest of multifamily public housing 285 units in Galveston. Referring to a HUD website guideline⁷ regarding accidental 286

⁷ HUD, Demolition for an Accidental Loss,

losses and without consulting with the residents, GHA was going to speed up the 287 demolition⁸ which would have eliminated all of the 569 multifamily units in the City 288 without providing permanent replacement housing (Lone Star Legal Aid v. 289 Galveston Housing Authority, 2013). In response, an advocacy group, Lone Star 290 Legal Aid (LSLA) filed a complaint with HUD representing displaced residents in 291 an effort to stop the proposed demolition (Lone Star Legal Aid v. Galveston Housing 292 Authority, 2009). LSLA requested that GHA create a plan to that protect the rights 293 of displaced residents during the demolition nd rebuilding process (Lone Star Legal 294 Aid v. Galveston Housing Authority, 2009). LSLA and GHA entered into a 295 Settlement Agreement with Replacement Plan (also referred to as the Conciliation 296 Agreement) in March of 2009 (Galveston Housing Authority v. Lone Star Legal Aid, 297 2009). Under this agreement, GHA committed to rebuild all 569 demolished public 298 housing units, to provide displaced residents with housing vouchers until rebuilding 299 was complete, and to guarantee the right of residents to return to the rebuilt units 300 (LSLA and GHA, 2009b). 301

Even though displaced public housing residents were eligible for temporary vouchers from the Disaster Housing Assistance Program (DHAP), many families were not able to find an affordable unit where they could use the DHAP subsidy (Wilder, 2008; Vinogradsky, 2009). Because the displaced population was disproportionately minority, many households also faced additional burdens created by unfair housing practices and enduring racial discrimination in the local housing market.

Demolition of these developments intensified the pre-storm shortage of affordable low income rental housing in Galveston (Oakley & Ruel, 2010). According to GHA's 2010-2014 5 year plan, at the time the plan was submitted 2,359 households were on the GHA waiting list for housing assistance (as cited in LSLA v. GHA, 2013).

The loss of public housing in Galveston after Ike decreased the amount of 314 affordable housing on the Island; displaced low income residents, especially people 315 of color; and created disparate outcomes between racial groups. The Kirwan Institute 316 issued a report in December 2011 detailing the "disparities in population losses" 317 between white and African-American residents following the hurricane. According 318 to that report, the city of Galveston lost 16.5% of its population between 2000 and 319 2010 with a 11.4% loss of White population compared to the 36.7% loss in the 320 African American community (Reece et al., 2011). We compared the pre-Ike racial-321

https://portal.hud.gov/hudportal/HUD?src=/program_offices/public_indian_housing/centers/sac/demo_dispo ⁸ by March 23, 2009

ethnic composition from 2007 (ACS 3-year) to 2010 to understand how pre-Ike population trend was exacerbated by the Hurricane. Table 3 presents the absolute and relative change in the population of each category along with its aggregate margin of error (margin of error for the difference).⁹ The relative change in non-Hispanic Black population is almost twice the non-Hispanic white population during the three years following Ike.

- 328 [Table 3 about here]
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Three years after Ike, 217 of the 578 displaced households were still active in 330 the DHAP program. While some of the displaced residents were able to use those 331 temporary vouchers or other resources to find housing on the Island (Oakley & Ruel, 332 2010), a sizeable portion were forced to move outside Galveston or were unable to 333 find a unit where they could use the temporary DHAP subsidy (Vinogradsky, 2009). 334 Moreover, DHAP assistance can not provide permanent housing for displaced 335 families. Demolition of public housing complexes created a major obstacle against 336 return and recovery of former residents and other low income renters. 337

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339 The struggle over rebuilding

The ability of local officials to rebuild public housing and other low to moderate 340 income housing depends on federal recovery funding, particularly CDBG allocations 341 by Congress. However, rebuilding also requires support from local officials, which 342 can be a significant hurdle for public housing. The Action Plans Texas Department 343 of Hosuing and Community Affairs (TDHCA) had developed for spending CBDG 344 recovery funds gave Councils of Governments (COGs) and local jurisdictions 345 significant control over prioritizing the needs for spending (TDHCA, 2009a,b) and 346 lacked state oversight to ensure local jurisdictions will rebuild affordable and 347 government assisted housing lost in Hurricane Ike (TDHCA, 2009b). Consequently, 348 two housing advocacy groups, the Texas Low-Income Housing Information Service 349 (TLIHIS) and Texas Appleseed, filed multiple complaints with HUD in 2009 and 350 2010 raising concerns about inability of the State to affirmativelt further fair housing 351 in its use of disaster recovery funds and asking HUD to require revisions of recovery 352 plans in accordance with Fair Housing requirements (TLIHIS vs. State of Texas, 353 2009; Texas Appleseed and TLIHIS vs. State of Texas, 2009). Accepting these 354 concerns, HUD facilitated a conciliation agreement between advocates and the State 355 requiring Texas to set money aside from the CDBG recovery funds for TDHCA's 356 affordable housing programs including public housing. More specifically, the 357

⁹ We used 2007 (ACS 3-year) to 2010

agreement stated that "no less than \$50 million from the TDHCA's affordable
housing funds shall be available for use in the city of Galveston for the one for one
replacement of all family and elderly public housing units destroyed by Ike." (Texas
Appleseed and TLIHIS vs. State of Texas, 2010, p16).

Eventhough state and federal agencies eventually committed funding and 362 legal commitment to rebuilding, GHA's demolition decision preceeded any local 363 plans for rebuilding. Initially board members said they hoped to rebuild everything 364 in two years. Later they committed to a time frame of no more than five years (Evans, 365 2009). In the years following the demolition, the GHA produced multiple plans for 366 rebuilding. Each faced persistent and multifaceted local opposition. Each successive 367 plan reduced the number of public housing units to be rebuilt on the original sites 368 and increased the number of vouchers and scattered site units (See table 4). With 369 each plan, the opportunities for diplaced housing residents to return to their original 370 homes diminished. For example, GHA's 2009 plan proposed replacing 569 public 371 housing units with 340 apartments, townhomes and duplexes on the four public 372 housing sites, with another 229 units scattered throughout the city. In 2011, GHA's 373 Scattered Sites Initiative increased number of scattered site units to 247 to be located 374 across Galveston Island in neighborhoods that were not impacted by Hurricane Ike 375 (GHA, 2011a,b). 376

GHA's 2012 plan, Mixed Income Communities Initiative, limited the 377 construction of new public housing units at the original sites to mixed income 378 developments where 51 percent of the units must be public housing and 49 percent 379 market rate. Consistent with both the federal HOPE VI and Choice Neighborhood 380 programs, this approach eandeavored to use GHA's rebuilding efforts to revitalize 381 Galveston's low income neighborhoods and stimulate private investment. Despite 382 persistent local opposition to rebuilding any form of government assisted housing, 383 this last plan ultimately gained support from local authorities. In 2014 construction 384 of the first mixed income development at the Cedar Terrace site began. 385

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387 [Table 4 about here]

The inability to reach an agreement for a rebuilding plan not only extended the waiting time and uncertainty of return for displaced residents of the demolished units, it also magnified the unmet housing needs of low income Galvestonians. By 2011 at least 186 displaced households were still waiting to return to Galveston, and 1138 new households were on the public housing waiting list (GHA, 2011). Nonetheless, debates about the plans largely disregarded the magnitude and legitimacy of low income housing needs.

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396 Who speaks for public housing?

Involvement in post-Ike recovery planning was shaped by long standing race- and class-based differences among Galvestonians. One local advocate for low income families described the historical exclusion that people of color had experienced in Galveston and its affect on how they viewed post-disaster planning:

401 This is what people of color in Galveston, African American people, have been 402 feeling for years. They have been beat down for so long, that they don't believe 403 anything good is going to happen... The African American population were 404 skeptical because they were like they never have done that and it ain't going 405 to happen, and it didn't.

When low income Galvestonians, and in particular public housing residents, were given a chance to participate in decision-making, the outcomes were different. For example, GHA's initial committment to rebuild every unit destroyed by Ike at its original location was based on costs, access to jobs and services, and most importantly, input from displaced residents (Oakley, Ruel, & Reid, 2010). In sharp contrast to the Galveston elite and even the general public on the Island, public housing residents spoke on behalf of the preservation of their homes.

Worried about the long wait for public housing, local and state housing 413 advocates raised the issue frequently in city council meetinsg and in interviews with 414 local newspapers. For instance, David Miller, president of the National Association 415 for the Advancement of Colored People (NAACP) chapter in Galveston, described 416 talking to residents every day who wanted to return to the Island but could not 417 because affordable housing was not available (abcNews, 2012, August 28). Phillips 418 who led Galveston County Coalition for Justice said in a GHA workshop in 2010 419 "We didn't need a court to tell us we need to rebuild our public housing ... We don't 420 want to be like New Orleans and wait five years for our new homes but we haven't 421 hit a nail yet" (White, 2010). In post-disaster surveys conducted by GHA, public 422 housing residents expressed a strong desire to return home. 423

Two months after Ike, local officials initiated a community-based planning 424 process by forming the Galveston Community Recovery Committee (GCRC) with 425 330 members. The goals of this large participatory initiative were to unify recovery 426 efforts, achieve consensus on a recovery vision, and develop a long-term recovery 427 plan. GCRC was intended to be inclusive and open, however, public housing tenants 428 had a negligable presence in the committee meetings and many of the approximately 429 20 African-American participants had to divide their time between the Northside 430 Galveston Taskforce, a minority advocacy group and GCRC (Lord, 2011). Not 431 surprisingly, public housing remained marginal to GCRC concerns and discussions, 432

and the committee's Long Term Recovery Plan failed to address either publichousing or affordable housing issues.

435 **Social vulnerability and barriers to participation**

This study began by asking why the demolished public housing units in Galveston had not been replaced fully almost a decade after Ike. We were particularly interested in how the conditions of social vulnerability before the storm contributed to unequal housing outcomes during recovery. We found that social vulnerability limited participation through three distinct mechanisms: the physical displacement of public housing residents, the stigmatization of public housing, and the reduction of residents to housing units in the debates.

443 <u>Out of sight, out of mind</u>

The limited presence of former residents in the local public housing debates partially 444 explains the failure to rebuild public housing. Residents of public housing, 445 disproportionately African-American and low income, had very limited political 446 influence in the debates. There was a sense that Galveston's elite, sometimes referred 447 to as Born on the Island (BOI) and from wealthier local families, are the only group 448 who can influence decisions and pursuing their interests in recovery. Although BOI 449 referred to wealthy locals in the public vernacular, in reality many public housing 450 residents were BOI as well, with connections to the Island that went back 451 generations. 452

Physical displacement outside the Island significantly limited the ability of displaced residents to participate in the public housing debates. One of the local reverends from a church on the North Side, where all four public housing developments were located, described for us the absence of displaced residents in debates:

My neighborhood are all gone... And those who are gone can't come back 458 because there is no transportation ... the ones that are going to be affected 459 the most, are the ones that [can't come back]... They never went back to get 460 them. ... You're stuck. You grab whatever you can take on that bus. ... If a 461 percentage of people who are actually for it [rebuilding public housing], are 462 not here, who else is going to be back? ... Because everybody else is against 463 it. So if you have more against, and they are the ones who are present ... [they] 464 are the majority ... and in a democratic [system] who's going to win that? The 465 majority. Because you've got the voting power, you've got everything. 466

After reviewing all of the City Council and GHA meetings when public housing issues were discussed, we found only one instance of a former resident of the demolished units (self-identified) speaking about replacement of lost units. As

shown in Table 5, during the City Council meetings about public housing 49 people 470 spoke in support of rebuilding either public housing units or in support of the mixed 471 income scheme. Majority of those people were residents of Galveston that lived in 472 private housing or in other forms of government assisted housing on the island such 473 as the elderly housing developments owned by GHA. However, none of those 474 supporters identified as a former resident. From the 18 people that spoke in support 475 of public housing during GHA meetings or press conferences, seven were Galveston 476 residents and two among them were former resident of the demolished developments 477 who expressed their need for returning home. 478

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- 480 [Table 5 about here]
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When GHA decided to demolish their public housing developments, housing 482 advocates such as LSLA and TLIHIS became involved. They worked to preserve 483 the rights and pursue the interest of tenants through legal actions such as the 484 Conciliation Agreement. That settlement also included an agreement from GHA to 485 "meet and consult with the displaced tenants' representative on at least a quarterly 486 basis regarding the planning and implementation of the demolition and replacement" 487 (National Housing Law Project, 2009). Nevertheless, advocates were not always 488 present or included in local deliberations where some Galveston residents took 489 strong stands against rebuilding or the construction of mixed income developments 490 in lieu of public housing. In a strong anti-public housing environment, even victories 491 of the advocates were difficult to enforce without local political support. For 492 example, GHA's 2012 rebuilding plan made a dramatic departure away from the 493 terms of the Conciliation Agreement. Although the original agreement with HUD 494 was between GHA and LSLA, the new terms contained in GHA's 2012 plan were 495 not negotiated with LSLA and had not been approved by LSLA (LSLA v. GHA, 496 2013). As a result, even strong advocacy on the behalf of residents was not enough 497 to fill the void created by the absence of the residents themselves. 498

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500 Using stigma to win: move the weak out and let the strong move in

The presence of stigma related to public housing, even post disaster, is wellestablished. After Katrina, Baton Rouge area GOP Congressman Richard Baker exulted to the New Orleans Times-Picayune, "We finally cleaned up public housing in New Orleans...We couldn't do it, but God did" (Hirsch & Levert, 2009, p. 212). This stigma is often race and class-based, but also reflects a larger uneasiness with public housing itself, which has always been marginal within the provisions of theUS welfare state (Hackworth, 2006).

Even though public housing residents suffered disaster losses, they were often 508 not considered equally deserving of the right to return home as other Galvestonians. 509 Opponents of rebuilding used the negative perceptions of public housing to put their 510 return against successful recovery for the Island. Several interviewees and local 511 reporters connected opposition to rebuilding public housing to racism. Based on the 512 high percentage of people of color in GHA's public housing developments and on 513 the waiting list, they described GHA's failure to replace all demolished units as a 514 continuation of racial exclusion and discrimination. According to the former chair 515 of a local philanthropic organization, 516

517 ... [*R*]ight after the storm, some people thought that "this is great, we got rid 518 of all this blighted ugly places, let's just not bring it back. And that has 519 degenerated into a racist classist conversation that is very unpleasant.

520 Petitions and campaigns for blocking GHA rebuilding plans with comments 521 like the followings demonstrate that racial and class-based stigmas played a role in 522 objecting to public housing recovery.

"The island is a tourist destination and the public housing unfortunately was
linked with crime, prostitution, drugs, vagrancy, public drunkenness and
loitering in city streets. People felt unsafe especially at night in some areas...
Galveston was a dump before Ike and will be a dump after Ike if it is not cleaned
up and the people removed that are sucking the life out of the island." (As cited
in TLIHIS and Texas Appleseed v. State of Texas, 2009).

One of the leading local voices against rebuilding described the return of 529 public housing residents in this way, "this is lose-lose. These people are low income 530 minorities getting here, they have a bad life. It's bad for all of us. Because they don't 531 do well they get into crime and things like that." Such stigmas were perceived by 532 displaced residents as tools for exclusion. A former resident of Cedar Terrace 533 described active opposition against rebuilding as a method of excluding low income 534 people from the future of the Island: "They want the people who've lived here the 535 majority of their lives to stay out. They want the tourists to come back. Move the 536 weak out and let the strong move in (As cited in Wilder, 2008)." 537

538 Disaster victims reduced to housing units

539 Displaced and stigmatized public housing residents had little standing in many of 540 the heated arguments both for and against rebuilding. These arguments tended to 541 focus on the benefits or losses that Galveston as a whole would experience from

replacing public housing units; whereas benefits and losses to the displaced residents

were often absent from the debates. This subtle distinction is important. In this 543 discourse, displaced residents were reduced to housing units. The debate over 544 rebuilding became a disagreement over the number and type of units to be 545 constructed rather than returning residents to their homes. The people themselves, 546 already marginalized because of their poverty, race, and housing tenure before Ike, 547 were further dehumanized and marginalized after the disaster in the face of broader 548 concerns over the strength of the local housing market and the economic well-being 549 of the city. 550

Much of the debates over rebuilding public housing was concerned with its 551 benefits to housing market in Galveston instead of displaced residents. One of the 552 arguments used against proposals to rebuild subsidized housing was that the high 553 percentage of vacant properties before the storm meant that there was no demand for 554 new affordable housing units in Galveston. Opponents suggested that "The agency 555 [GHA] should consider whether it's appropriate to rebuild any subsidized housing 556 on an island with so much vacant property (TLIHIS and Texas Appleseed v. State 557 of Texas, 2009)." While vacancy rate was approximately 30% before Hurricane 558 Ike¹⁰, it was noted by housing advocates and local planners that such high vacancy 559 did not necessarily reflect oversupply of habitable and available rental properties. A 560 sizeable proportion of vacant properties were either not well-maintained or were 561 only available for occasional rent in the tourist seasonal rental market. This 562 perspective expressed concern with the well-being of Galveston's private 563 multifamily rental housing market and argued that because multifamily landlords 564 and developers suffered losses from Ike they could not compete in price and quality 565 with mixed income developments funded by tax dollars. These free market 566 proponents argued that it should be private developers creating affordable housing 567 in Galveston, not public entities such as the GHA (Oakley & Ruel, 2010). But 568 housing market in Galveston was expanding high end vacation home developments, 569 and clearly failed or were not interested in providing affordable housing for both 570 middle income and lower income households. 571

One of the long-standingr proposals from the removal campaign was giving 572 displaced residents vouchers so they can decide whether to live in Galveston 573 where opponnets claimed job opportunities are scarece or elsewhere with more 574 job opportunities and lower risk of hurricanes. According to Lewis Rosen, who ran 575 for Mayor in 2012 promising to block rebuilding plans, "The Housing Authority 576 should not be in the business of building homes, especially where we don't have job 577 opportunities for people. We need to provide housing for people who have the 578 opportunity to move where the jobs are. And we can do that through vouchers." (As 579

¹⁰ According to 2007 3-year ACS residential vacancy was estimated at 28.9% with a margin of error of 2.4%.

cited in Pitman, 2012). However, without quality affordable housing in Galveston
or nearby, vouchers would have failed at providing meaningful choice for displaced
residents, especially those employed in low wage tourism jobs on the Island (Smith,
2012).

Public housing rebuilding palns were often evaluated based on goals other 584 than helping displaced residents. When GHA changed their rebuilding plan in 585 2011—increasing the number of market rate and scattered site units and reducing 586 the number of public housing units at the original sites—the mayor at the time was 587 leading a push to attract middle income professionals and revitalize the city. He 588 argued that replacing public housing with mixed income developments would help 589 both the city and low income residents, "[Hurricane Ike] gave the city a rare 590 opportunity to start fresh by bulldozing projects that ... shouldn't have been around 591 as long as they were (Pitman, 2012)." Some business interests also saw mixed 592 income developments in the downtown area as an opportunity to attract more tourists 593 to Historic Downtown and facilitate economic development. A downtown-seaport 594 partnership expressed interest in collaborating with GHA to redevelop Magnolia 595 Homes as part of a larger push to improve downtown "by putting into the mix 596 opening up the streets so it's not a fortress and is walkable and livable (White, 597 2010)." 598

To the extent that the interests of public housing residents were present in this 599 debate, it was focused on ways that redevelopment might provide them with a 600 different, and therefore better future. Supporters argued that these communities 601 would provide low income residents with new opportunities to climb out of poverty. 602 They frequently referenced successful mixed income developments in places like 603 Atlanta and New Orleans, but made little mention of the small percentages of public 604 housing residents that returned after construction (Graham, 2012). With the debate 605 focused on new construction, advocates for public housing residents were left with 606 the reality of further delays before displaced residents would return to Galveston. As 607 one advocate stated, "I'll bet you a nickel that 24 months from today there will not 608 be a shovel turned (As cited in Smith, 2012)." 609

Interests of displaced residnets were of secondary importance and 610 misrepresented in the public housing debates. The lack of meaningful participation 611 from former residents allowed mixed income proponents to present their plan as the 612 only solution that can benefit the poor. The removal campaign often argued against 613 bringing displaced residents back to hazard-prone and low opportunity 614 neighborhoods of Galveston. In a petition against rebuilding public housing on the 615 Island signed by more than 2000 people, some people expressed concerns related to 616 flood risk: "The Island is in a flood zone and is not an appropriate place for public 617 housing as everyone has seen after Hurricane Ike. Building structures on the island 618

is more costly because of hurricane building standards and insurance is much more 619 costly. Evacuating low income residents is costly and dangerous to everyone 620 involved." (As cited in Stanton, 2009). The removal policy agenda often ignored 621 possibility of using effective building and design strategies that can mitigate risk of 622 hazards particularly hurricaness to residents of coastal areas, high or low income. In 623 addition, the same group rarely discussed implications of high risk of hurricanes on 624 the Island for bringing back private homeowners or other recovery projects in 625 Galveston. 626

627

Conclusion: vulnerable not only to disasters but also to local politics aimed at eliminating affordable housing

Galveston provided a particularly appropriate case to understand lack of 630 representation for vulnerable population in recovery because the poor were 631 physically displaced outside the barrier island. Our study shows that being 632 vulnerable means more than living in hazardous areas and having limited access to 633 recovery resources. It also implies less control and representation in decisions about 634 one's recovery. Hence making recovery of those people a political contest as what 635 is in the best interest of the city rather than what is in the best interest of residents. 636 Consequently, displaced residents of public housing are not seen as disaster victims 637 like everyone else, but as the government assisted units they lived in. Rebuilding 638 that unit is the issue of discussion rather than supporting displaced residents to 639 recover. 640

Without adequate affordable housing in Galveston, public housing residents 641 were forced to move away from established roots and out of the city of Galveston. 642 The burden of GHA's conduct fell disproportionately on people of color and on 643 families with children (LSLA v. GHA, 2013). The effects of this population decline 644 is evident in local community centers in African-American neighborhoods. Burkley, 645 the pastor of Mt. Olive Missionary Baptist Church, an African-American 646 congregation near the former public housing sites and many Ike-damged abandoned 647 rental homes described this loss as a race and class issue: 648

649 "I'm suffering big time. Members that I had were all gone. We have a smaller 650 number of members at church. You just can't make the determination and say we're 651 not going to let this group of people come back. Because they are the worst set of 652 folks."

Although housing advocates were vocal against both removal of public housing and mixed income schemes, they had little influence in local recovery debates. In the local representation vacuum from displaced residents as the main stakeholders of public housing debates, several agendas filled the void by proposing

plans and claiming to be pursuing the best for those residents and the city. Our 657 analysis shows how lack of representation and stigmas attached to this vulnerable 658 population provided an opportunity to pursue different plans without considering 659 their impacts on displaced residents. Socially vulnerable populations face significant 660 barriers in participating in post-disaster discourse and as a result, face even greater 661 barriers to housing recovery. This study demonstrated that while it is important that 662 all groups have access to and can influence recovery decisions, it is even more 663 important to secure that access and influence for groups that are targeted for 664 elimination such as residents of public housing. 665

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- 913
- 914

	# of families	% of total families	
Total # of families	852		
Extremely low income (<=30% AMI)	694	82%	
Very low income (>30% but <=50% AMI)	128	15%	
Low income (>50% but <80% AMI)	23	3%	
Families with children	727	86%	
Elderly families	325	39%	
Families with Disabilities	359	42%	
Race/ethnicity			
1. White	274	32%	
2. Black	573	67%	
3. Native American	9	1%	
4. American Asian	0	0%	

Table 1 Families in the GHA Public Housing Units, 2008

Table 2 Families on the Public Housing and the Section 8 Tenant-based Assistance Waiting List, 2008

	Public Housing		Section 8		
	# of families	% of total families	# of families	% of total families	
Waiting list total	852		824		
Extremely low income	790	93%	598	73%	
(<=30% AMI)					
Very low income	56	7%	182	22%	
(>30% but <=50% AMI)					
Low income	5	.6%	361	4%	
(>50% but <80% AMI)					
Families with children	395	46%	324	40%	
Elderly families*	17	2%	1	.2%	
Families with Disabilities	114	13.38%	15	2%	
Race/ethnicity					
1. White	331	39%	183	22%	
2. Black	487	57%	629	76%	
3. Native American	12	1.4%	4	.5%	
4. American Asian	1	0.1%	1	.1%	
Sources: GHA 5 year Plan for FFU 20	08 -20012 (GHA	A FFY 2009 – 2013)			

		ite change 007-ACS 2010	MOE	% change ACS 2007-ACS 2010
Total	-4961		±2568	-9.2%
Hispanic	631		±2433	4.2%
Not-Hispanic Whi	ite -2967		±2146	-11.8%
Not-Hispanic Blac	ck -2367		±1723	-22.0%
Not-Hispanic othe	er -258		±917	-8.7%
GHA Plan year	New units	On the same for	otprints	Scatter-site
Table 4 GHA repla	cement plans			
GHA Plan year	New units	On the same fo	otprints	Scatter-site
GHA Plan year 2009	New units 1,500	On the same for	otprints	Scatter-site
-		On the same for 390	otprints	Scatter-site 179
2009	1,500		otprints	
2009 2009	1,500 569	390	otprints	179
2009 2009 2009	1,500 569	390	-	179 229

Table 3 Change in population composition after Hurricane Ike

Table 5 people speaking in support of rebuilding public housing, 2008-2014

Public Meetings	Total # people speaking	# Galveston residents	# former public housing residents	# organizations rep. or officials
Galveston City Council	49	31	0	18
Galveston Housing Authority	18	7	2	9