

STATE OF HAWAII

HURRICANE BEHAVIORAL SURVEY

Prepared for:

**Hawaii Emergency Management Agency
US Army Corps of Engineers
Federal Emergency Management Agency**

Prepared by:

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Aloha Mr. Yoshimoto and partners:

Enclosed please find the results of our mail survey on the anticipated behavior of Hawai'i's residents in preparation, response, and recovery of a hurricane. We expect you will find the results critically informative as your respective agencies move forward on preparation planning for hurricanes impacting the Hawaiian Islands. In many ways, the results track the findings of the 2010 survey of the same nature; however, there are important differences that need to be carefully considered. Of particular note is the reduction in demand for public shelters, the opportunities that are evident for sheltering-in-place, whether it be at home or in the workplace, and the need for increased levels of educating the public on many aspects of hurricane preparation.

Thank you for the opportunity to work on this impactful study in support of the resiliency of Hawai'i's communities. It was a pleasure working with you and your teams, and we look forward to doing so again.

Sincerely,

Ray Soon, President
Solutions Pacific LLC

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EXECUTIVE SUMMARY

The work presented within was designed to provide behavioral information of Hawaii residents as they prepare for and perform under the threat of a hurricane. The information is designed to inform policy decisions regarding public shelter¹ planning, communication and education, shelter in place programs, shelters for pets and pet owners, and other general policies affecting evacuation and sheltering.

The results are derived from a mail out survey performed in December of 2018 involving the interview of 2,488 Hawaii resident households. The study in part builds upon a survey similarly performed in 2009-2010. The key findings from that survey are also reported within to serve as a comparison to highlight changes over time.

The study was sponsored by the Hawaii Emergency Management Agency, the Federal Emergency Management Agency and the US Army Corps of Engineers. Versions of the survey instrument were also reviewed by the U.S. Office of Management and Budget and various local emergency managers, who informed the content and form of the questionnaire.

PRIMARY FINDINGS

Evacuation rates form a basis for evacuation planning and management, specifically determining necessary shelter locations and capacity. For many years, the State had used an overall estimate that public shelter capacity was required to accommodate 35 percent of the State's resident population. Emergency managers sensed that this estimate was high and were surprised when the 2010 study concluded that, if anything, the estimate was slightly low. That study found that simply to house the resident population, who would evacuate if instructed, would require that they assume an evacuation rate of 37 percent to public shelters.

Much has changed in nine years. The current study finds that the design capacity should assume an evacuation rate to public shelters closer to 19 percent. Why the significant drop? The primary reason is that the two critical factors in estimating evacuation rates have both diminished significantly; first, the strong confidence previously enjoyed by emergency managers has dropped, thereby reducing the numbers of residents who will heed their recommendation to evacuate and second, although still the shelter of choice for many, public shelters are no longer seen as attractive as they were nine years ago. This drop in evacuation rate is Statewide, among all Counties.

¹ As used throughout this study, "public shelters" refer to public shelters used for evacuation. These may differ from public shelters that would be used post-impact or during recovery. Those shelters may differ in who uses them and the types and level of supplies.

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Households VERY likely to evacuate if recommended by Emergency Managers	48	50	46	41	47
Households who would go to a public shelter as their first choice	39	37	44	45	43
Households VERY likely to evacuate AND whose first choice is a public shelter	19	18	19	19	20

As a hurricane approaches, one must shelter somewhere; if not at a public shelter, than where? Sheltering at home was the preferred alternative in 2010 and it remains the preferred alternative today. Sheltering with friends and family, which was not a highly mentioned alternative in 2010, is now a very desirable alternative.

Whether one shelters at home or with friends and family, the house has to be hardened sufficiently to withstand the effects of the on-coming hurricane. Given the increased interest in sheltering at a home, there is a corresponding interest in programs that help improve the home to higher hurricane standards. That interest increases significantly when incentives (e.g. property tax relief) are included and assistance is provided.

There is also high interest in sheltering at work if provided the option. Of those who intend to go to a public shelter if advised to evacuate, 44 percent of them would prefer sheltering at their or their spouse's workplace. Together, these changes in perception indicate an opportunity for a shelter in place program to support the hurricane preparedness needs of residents and mitigate some of the demand on public shelters.

SECONDARY FINDINGS

Highlighted secondary findings from this survey include the following:

- A large majority of respondents have a very mistaken view of what one will find at a public shelter. They expect everything from food, bottled water, and medication to beds, pillows and blankets, and every variation one can imagine. As few as 16 percent of the respondents accurately expect only the basic building protection with working restrooms and electricity. Public shelters play a VERY important basic role, and this should be better understood by the islands' residents. It will lead to more efficiency and less frustration.

- Ideas for enhancing the likelihood of residents making changes to their homes in order to shelter in place are very creative. They include: financial incentives such as low interest loans and reduced property taxes; more workshops and published material informing how one can go about making changes to their homes; negotiating discounts with suppliers and contractors; and inspecting homes at no cost to homeowners and making recommendations. Condo owners suggest that changes in condo rules are necessary to enable individual improvements.
- As noted, residents do not want to leave their homes to evacuate to safer shelters. It does not seem be a matter of misunderstanding the strength of a hurricane; it is simply that they do not want to leave. They will evacuate if recommended by emergency managers to do so, but reluctantly. Anything that provides the possibility of sheltering at home is attractive.
- The best ways of communicating with residents about hurricanes are still the television and radio. Newspapers are of lesser importance than they were in 2010, and the internet has exploded with all of its various platforms for education and information. Has the preferred MESSENGER changed? Probably not. The recommendations of emergency managers are still impactful, but the trust that was lost in 2018 needs to be regained for them to continue to be effective. This is critically important as during an emergency there is no time for questioning decisions. The emergency managers, and the leaders they advise, have to be decisive and the public has to trust those directions.
- Residents continue to have somewhat of a false sense of security. Although many expect a hurricane in the near future, and although they better understand the havoc and destruction that a hurricane can bring, they continue not to have sufficient supplies in storage, not to have made hardening improvements to their homes, and not to have prepared for a hurricane. When those results were found in 2010, it was assumed to be complacency and procrastination. The researchers on today's study believe it is more a sense that many residents simply do not want to leave, they believe they can take care of themselves, and they will be ready when they have to be. Assuming this to be accurate, it may be easier for public emergency managers to institute programs such as sheltering in place and creating community support groups for neighborhood recovery.

SECTION I: INTRODUCTION

During the period 2009-2010, a study was conducted to understand the behavior of Hawaii's de facto population when faced with the imminent danger of either a hurricane or a tsunami. The work was commissioned by the US Army Corps of Engineers and the State Civil Defense Authority. The State Civil Defense Authority has since changed their name and is now the Hawaii Emergency Management Agency² (henceforth referred to as HIEMA).

By 2018, a number of issues arose which required a more current understanding of the public's probable response to a hurricane: 1) early in 2018, a false alarm regarding a missile launched from North Korea was triggered by the HIEMA and created significant confusion and anger from the public. Because of the key role of HIEMA in emergency management, it became important to understand the public's current opinion of HIEMA and the alerts it might have to send out; 2) 2018 saw an unusual number of disasters or near disasters affecting the islands' communities and the public appeared keenly aware of the possibility of a serious, destructive storm; and 3) it had become increasingly apparent that funding was not available to build or retrofit the number of public shelters needed to protect all the people one might expect to evacuate to public shelters in the face of a hurricane.

As part of the response to these events, the USACE, the Federal Emergency Management Agency and HIEMA commissioned a new resident survey to update some of the findings of the 2009-2010 survey and to query new areas of inquiry; most specifically, can residents be persuaded to make changes to their home in order to shelter in place and how best to communicate information.

The findings from this recent resident survey, fielded in December, 2018, are presented within.

ORGANIZATION OF THE REPORT

The report begins below with a very brief high level review of the findings from the 2009-2010 study. Throughout the remainder of the report those findings will be compared to tracking questions asked of residents in 2018.

Section I is the key section on evacuation rates and issues on sheltering, Section II discusses questions on resident feelings of worry or concern, Section III is a discussion on planning and preparation, Section IV covers communication and the key discussion on the importance of the reputation of emergency manager, and Section V covers questions on pet owners.

² In 2014, Chapter 127A HRS, was passed revising the entire emergency management system for the State and Counties. One of the results was that State Civil Defense became the "Hawaii Emergency Management Agency."

In the Appendices are discussions on the methodology and reading the tables, a copy of the survey instrument, information on respondent demographics and their housing characteristics, open ended responses to questions 46 and 47, and a full set of tables in the order of the questionnaire where results are bannered by inland vs. coastal respondents.

Within the body of the report, the teal bannered tables are the results of the 2018 survey bannered by State and County respondents. It should be noted that there were very few differences between the opinions of inland vs coastal respondents. There seemed to be more differences between residents from each County. For this reason, it's the County bannered tables that were used in the body of the text. Where appropriate reference is made to an inland vs coastal split, the tabular results can be found in Appendix F.

SUMMARY OF KEY FINDINGS, 2009-2010 STUDY

The primary and significant findings from the 2009-2010 study indicated the following:

- For many years, the State had used an overall estimate that public shelter capacity was required to accommodate 35 percent of the State's resident population. Preliminary discussions expected that the 2009-2010 study would find that estimate to be overstated. To the contrary, the study found the design number to be fairly accurate. In anticipation of a hurricane, upon recommendation of their Civil Defense Authorities (CDAs), 58 percent of the State's residents would evacuate and 37 percent said they would go to a public shelter.
- Stepping back from specific survey results, the study found a troubling sense of overconfidence as concerns hurricanes. Residents trusted their CDAs to keep them informed in a timely manner, and they generally felt that their homes were safe from major damage. Masked in this sense of security was significant misunderstanding as to what damage even the smallest of hurricanes can do to a community, heightened awareness but low levels of preparation for a hurricane; and general confusion as to where public shelters are located and what it will take to get there in a timely manner.
- Although awareness was high, preparation was low. Only a third of the respondents believed they were prepared to respond to a hurricane, and the very large majority could not name their nearest public shelter. Four in five homes had neither hurricane clips nor anchor cables, and most homeowners did not have hurricane or flood insurance.
- If there was a silver lining at the time, it was that there were ample opportunities to educate the population. Mass media, particular television and radio, had excellent penetration and were already the key sources of hurricane information. In addition,

the CDA's enjoyed extremely high levels of credibility. A recommendation from the CDA was the most important factor in decisions to evacuate.

- Pet friendly shelters were deemed to be important if one expected to shelter residents with pets. Nearly half the Statewide households had pets, and nearly 60 percent of those pet owners indicated they were more inclined to evacuate if shelters were pet friendly.

In addition to the survey commissioned by USACE and State Civil Defense, they also commissioned executive interviews with operators of hotels, bed and breakfast operations, senior/retirement facilities and homeless shelters. The understanding was that these operators serviced “vulnerable populations” and would not be represented in the survey of residents and that their populations might have an impact on public shelter demand.

The primary finding from this study of vulnerable populations was significant: If public shelters were designed only to meet the needs of the residential population, they were inadequate. However, if one coupled the resident demand with that of vulnerable populations – tourists, homeless, and retirement home residents – the problem increased exponentially. Vulnerable populations could add the equivalent of 29 additional percent of the resident population demand to public shelters. Over 98 percent of this additional demand was estimated to come from tourists. This finding placed an extremely high burden on existing shelters to accommodate anyone who intended to evacuate to a public shelter.

SECTION II: EVACUATION

EVACUATION RATES TO PUBLIC SHELTERS

Resident evacuation rates have changed significantly in the years between the original study and the current survey. In 2010, researchers found that, *if recommended to evacuate by emergency authorities*³, 37 percent of the State’s resident populations would evacuate to public shelters. Today, that number has dropped to 19 percent (or mathematically, 39 percent of 48 percent).

	State ⁴ 2010 <u>(%)</u>	State 2018 <u>(%)</u>
Households very likely to evacuate if recommended by emergency authorities	58	48
Households who would go to a public shelter as their first choice	64	39
Households very likely to evacuate AND Whose first choice is a public shelter	37	19

Evacuation rates are almost identical for all Counties. They have all dropped over the years.

Table I-1: Evacuation Rates (2018)

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Households VERY likely to evacuate if recommended by Emergency Managers	48	50	46	41	47
Households who would go to a public shelter as their first choice	39	37	44	45	43
Households VERY likely to evacuate AND whose first choice is a public shelter	19	18	19	19	20

³ Referred to as “Civil Defense Administrators (CDAs)” in 2009-2010 reports.

⁴ Throughout this report, tables that are imbedded in the text are tables that compare State results from 2010 with State results from 2018. The tables in boxes with teal highlights are the results from the 2018 survey alone. See Appendix A for a discussion on understanding the various tables.

The reasons for this significant drop can only be speculated. Recall that the two driving factors in estimating the evacuation rate in 2010 and in 2018 are 1) the effect of the emergency managers' recommendation to evacuate and 2) the inclination of respondents to select a public shelter as their evacuation site of choice.

The reputation enjoyed by emergency managers has diminished somewhat, although not as much as might have been expected given the public discussion surrounding the North Korean missile false alarm in January, 2018. In the earlier study, 58 percent of the Statewide respondents said that they were very likely to evacuate UPON A RECOMMENDATION from emergency authorities. That has dropped 10 points to 48 percent in 2018. Not a substantial decline, but one that makes a difference in the calculations of evacuation rates.

Q: If emergency authorities recommended that you evacuate your home because of an approaching hurricane, how likely are you to evacuate?

	State 2010 <u>(%)</u>	State 2018 <u>(%)</u>
Very likely to evacuate	58	48
Somewhat likely to evacuate	30	29
Somewhat unlikely to evacuate		11
Very unlikely to evacuate		8
Not at all likely to evacuate	11	
Don't know	2	3

The real significant change, however, has been a drop in the interest of residents to evacuate to public shelters. The propensity to evacuate to a public shelter dropped from 64 percent as a first alternative in 2010 to 39 percent in 2018. Although public shelters remain the top choice for sheltering, the option of sheltering with friends and family is a much more viable alternative than it was in 2010, scoring nearly as high as the public shelter choice.

Q: If you decided to evacuate and seek safe shelter from an approaching hurricane, where would you go?

	State 2010 <u>(%)</u>	State 2018 <u>(%)</u>
A public emergency shelter	63	39
The home of a friend or relative	9	32
A church or place of worship	6	3
A hospital	2	2
A hotel or motel	1	7
My workplace	1	5
A private school	1	3
Other	8	2
I'm not sure	10	8

There is an increase in all choices other than a public shelter and place of worship. And there has been some reduction in the percentage of people who are uncertain as to where they would go.

Sheltering preferences do not appear to be appreciably different from County to County. In 2018, public shelters are the choice of most residents followed by homes of friends or relatives.

Table I-2: First Choice of Shelter⁵

Q16a: If you decided to evacuate and seek safe shelter from an approaching hurricane, where would you go?

	State	Counties			
	Total	Oahu	Hawaii	Kauai	Maui
	Column N %	Column N %	Column N %	Column N %	Column N %
A public emergency shelter	39	37	44	45	43
A private school	3	3	2	2	3
A hotel/motel	7	7	7	6	6
The home of a friend or relative	32	33	31	25	27
A church or place of worship	3	3	3	3	3
A hospital	2	3	0	2	2
My workplace	5	5	4	6	6
I'm not sure	8	7	8	7	10
Other	2	2	1	3	3
<i>Base (unweighted)</i>	<i>2436</i>	<i>923</i>	<i>434</i>	<i>428</i>	<i>651</i>

Respondents were not asked why they were or were not interested in public shelters for their sheltering needs. More recent weather events may have forced local families to do more planning in case of severe emergency events. In those cases, the prospects of other types of shelters may have come into greater focus. Whatever the case, the need for public shelters for the residential population has diminished significantly from the findings in 2010.

PERCEPTIONS OF PUBLIC SHELTERS

Although perceptions of public shelters may be more realistic today than they were a decade ago, respondents nonetheless are still not accurate in their views. The reality is that public shelters are, by necessity, very basic. There are floors, walls and a roof for protection, working restrooms, running water in the restrooms, and usually some volunteer component either from Red Cross or other agencies or community groups. For the most part, there is nothing else.

When asked what they expect to find at a public shelter, only 16 percent of the respondents were accurate in their expectations; or in other words, 84 percent of the residents have a misperception of, or do not know, what they will find at a public shelter. This is an extremely high number; one that should be addressed during blue skies, or while an event is not eminent. As a result of these misperceptions, people may be unprepared when they arrive at the shelters and realize their mistake, leading to confusion and frustration.

The large majority of respondents (77%) had expectations beyond the basics. They included water, blankets, pillows, cots, food, medical assistance, professional help, generators, radios, and/or a wide variety of other assets. Their responses had multiple combinations of these and other items; none of which will be present during storm events.

It is informative to note that the better a respondent's understanding of the minimal provisions at the public shelter, the less likely they are to choose a public shelter as their choice of shelter. Of those whose expectations of a shelter are accurate, 33 percent would chose a public shelter as their choice of shelter, while of those who have faulty expectations, 41 percent would choose a public shelter. It's a small difference but a statistically significant difference nonetheless.

Unrealistic expectations cut across all Counties.

Table 1-3: Public Shelter Expectations

Q17: What services and supplies do you expect to find at a public shelter?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Just shelter with restrooms/no other expectations	16	16	17	18	16
Shelter with supplies -- responses vary widely	77	78	78	77	75
Don't know what to expect	3	3	4	2	3
NR	3	3	1	2	5
<i>Base (unweighted)</i>	<i>1776</i>	<i>666</i>	<i>314</i>	<i>327</i>	<i>469</i>

When asked what they would do if they found out their intended shelter was not supplied as they expected, one third said they would stay, one third said they would go elsewhere, and one third weren't sure what they would do. This could lead to unnecessary traffic on the road, caused essentially by a lack of understanding and incorrect expectations.

Table 1-4: Reaction to Less than Expected Public Shelter Assets

Q18: If you found that the services and supplies you expect to find at a public shelter were not available at the public shelter you went to, would you stay or would you seek other shelter?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Stay	32	32	32	39	33
Seek other shelter	35	35	38	31	35
Not sure	33	33	30	30	32
<i>Base (unweighted)</i>	<i>1725</i>	<i>631</i>	<i>306</i>	<i>305</i>	<i>483</i>

SHELTERING IN PLACE

Over the last few years, the HIEMA has been studying the strategy of encouraging residents to harden their homes in order to increase sheltering in place and thereby reducing the pressure on improving and increasing public shelters. It would appear that resident interest in sheltering in place is in alignment with this strategy.

It starts with the reduction of interest in choosing public shelters as the first choice for sheltering. In addition, when asked whether they would consider making changes to their homes in order to shelter in place, 61 percent of the State's respondents said "yes": 28 percent said "yes, definitely" while 33 percent said "yes, maybe. Only one in five (21%) said "no".

Table 1-5: Willingness to make changes to their home that will protect them.

Q27: Emergency authorities are currently urging people to make changes to their homes to better protect them against major hurricanes, such as adding hurricane clips or adding a double wall to homes that are single wall constructed. This would allow people to take shelter in their home instead of evacuating. Are you willing to consider making such changes to your home?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Yes, definitely	28	28	28	32	28
Yes, maybe	33	33	28	30	37
No	21	20	25	22	17
I'm not sure	18	19	18	16	18
<i>Base (unweighted)</i>	2348	874	428	419	627

When the pot was sweetened with tax credits, the portion of respondents who were willing to consider changes to their home expanded considerably, from 61 percent to 81 percent. The percentage of those who said an outright “no” was cut in half from 21 percent to 11 percent.

Table 1-6: Tax Credits as an Incentive to Make House Changes.

Q28: Would you be more likely to consider making improvements to your home if there were tax credits to help off-set some of the costs?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Yes, definitely	54	53	53	56	55
Yes, maybe	27	27	26	27	26
No	11	10	13	7	10
I'm not sure	9	9	8	10	9
<i>Base (unweighted)</i>	2365	878	429	425	633

When asked for ideas that would urge their consideration of making changes, the respondents were quite creative. The top five suggestions are all attractive ideas and deserve further examination.

Table 1-7: Other Incentives that Would Encourage House Changes

Q29: Is there anything else the emergency authorities could do to encourage you to make changes to your home?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Provide low interest loans, grants/reduce property tax	17	16	19	16	21
Publish advice/provide workshops	15	16	12	11	11
Encourage condo associations to make improvements; change their rules	8	9	4	7	6
Negotiate discounts with suppliers/stores/contractors	9	7	9	16	13
Inspect for free and make recommendations	8	7	11	9	9
Get insurance co. to reduce rates after improvements	1	1	1	0	0
Minimize permitting process	0	0	0	2	1
It's not my house; I rent	9	10	9	9	6
I've already made changes	2	1	0	4	3
Other	7	8	5	7	5
I have no ideas	26	26	29	21	26
<i>Base (unweighted)</i>	<i>951</i>	<i>330</i>	<i>171</i>	<i>167</i>	<i>283</i>

THE WORKPLACE AS A SHELTER

A variation on the theme to make home improvements in order to allow for sheltering in place, is to ask whether respondents would support other “hardening” efforts. One might recall that 5 percent of the respondents chose their place of work as their preferred evacuation shelter (see Table I-1). That number can grow significantly if employers were encouraged to make responsible improvements and allow their employees to shelter at their work locations. Fully, 41 percent of all respondents would shelter at their or their spouse’s workplace if they were able to do so. This is approximately the same across the State in all Counties.

Table I-8: Attraction of Sheltering at Workplace

Q19: If a household member worked for a company that permitted sheltering at the workplace, would you prefer to shelter with that company or would you rather shelter at your preferred location that you indicated in Q16?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Workplace shelter	41	42	38	38	44
Currently preferred location	59	58	62	62	56
<i>Base (unweighted)</i>	2226	859	395	385	587

The attraction of workplace shelters goes even further. It turns out that if one looks specifically at respondents who are going to public shelters as a first choice, one finds that 44 percent, nearly half of them, would prefer to shelter at their or their spouse’s workplace if that option were available.

Workplace shelters could significantly relieve the pressure on current public shelters to protect the resident population. Although the survey did not dwell deeply on the concept of the workplace as a shelter, the high response rate would indicate significant opportunity from the perspective of the evacuating household.

It may also offer benefits to business owners that could prove to be very attractive. Among those benefits are: 1) businesses with shelters would experience less loss because employees are on site, protecting the business; 2) these businesses would be able to start up quicker which is important because research finds that the likelihood of a business ever recovering is directly correlated to how quickly it starts up; 3) the bond with their employees created by businesses who invest in protecting their employees and their families would undoubtedly get stronger; and 4) the recovery would accelerate for communities in proximity to businesses who shelter their employees.

Advancements in workplace sheltering would likely be well received by Hawaii’s residents and has the potential to greatly help businesses recover, help a community’s economy recover more quickly, and significantly reduce the burdens on public shelters.

TIME REQUIRED TO EVACUATE

In the case of hurricanes, lead time tends to be a luxury here in Hawaii. Weather forecasters may have more than a week to notify the population of an impending hurricane. Respondents indicate that this is more than sufficient time to begin preparing for evacuation.

Respondents have a reasonable expectation of the time they need to pack up critical belongs and evacuate. Only 22 percent believe they need more than one day lead time. The majority believe they need less than six hours to gather their critical belongs. This finding has not changed from 2010.

Table I-9: Time Required to Gather Belongings Before Evacuation

Q13: Once you make the decision to evacuate, how much time do you need to gather your critical belongings and evacuate your home?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
48 hours or more	7	7	7	6	7
24 to less than 48 hours	15	15	12	19	14
12 to less than 24 hours	14	13	17	14	14
6 to less than 12 hours	13	14	11	10	12
3 to less than 6 hours	18	18	16	16	18
1 to less than 3 hours	23	22	24	24	25
Less than 1 hour	12	12	12	11	11
<i>Base (unweighted)</i>	<i>2418</i>	<i>912</i>	<i>435</i>	<i>425</i>	<i>646</i>

Although it may not take long to gather critical belongings, respondents expect it will take longer to settle into their choice of shelter. Half the respondents (52%) say they intend to go to their shelter inside of 12 hours before a hurricane is scheduled to reach their community. This may not be realistic unless they are certain of their shelter destination. This may also lead to last-minute surges at public shelters and general confusion if the shelters are not resourced as residents expect.

Table I-10: Lead Time Needed to Settle into Shelter Before a Hurricane

Q14: How soon before a hurricane is scheduled to reach your community are you likely to go to the place you intend to shelter from the hurricane?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
48 hours or more	13	14	9	10	9
24 to less than 48 hours	19	20	20	20	17
12 to less than 24 hours	20	21	20	17	20
6 to less than 12 hours	22	22	22	20	21
3 to less than 6 hours	18	17	20	18	24
1 to less than 3 hours	7	6	8	14	9
Less than 1 hour	0	0	0	0	0
<i>Base (unweighted)</i>	<i>2373</i>	<i>900</i>	<i>423</i>	<i>412</i>	<i>638</i>

MEANS OF EVACUATION

The vast majority of respondents will travel by personal automobile to their shelter of choice (87%). Few people expect to walk or to use other means of travel.

Table I-11: Means of Evacuation to Shelter of Choice

Q21: How would you get to where you intend to evacuate?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Personal vehicle	87	85	94	90	91
Walk	6	7	3	6	4
Bus/public transportation	4	5	1	2	2
Bicycle	1	1	0	0	0
Other	2	2	1	2	3
<i>Base (unweighted)</i>	<i>2420</i>	<i>915</i>	<i>435</i>	<i>422</i>	<i>648</i>

The implications of this finding are significant. As was found in 2010, the problem is both the approximate number of cars on the roads in the time leading up to the landfall of a hurricane as well as the parking load at shelter locations. For example, if one assumes approximately 311,500 total households on Oahu, and if 50 percent of the Oahu households are NOT sheltering at home (see Table I-12 below), there may be 155,750 cars on the road traveling to shelters at approximately the same time. And, if one assumes 18 percent of all Oahu households going to a public shelter, one will need parking for about 56,070 cars at those public shelters. So, much will depend on when evacuees are on the road and how far they travel to shelter, so any estimate will have a wide range of variation. It's the magnitude of the problem,

especially parking, that bears attention. The problem may be more manageable in the Counties other than Honolulu, but it is still a significant issue.

Table I-12 Travel and Parking Impacts of Residents Evacuating

	Counties			
	Oahu	Hawaii	Maui	Kauai
Percentage of Households (HH) Evacuating	50%	46%	41%	47%
Approximate Number of HH in the County ⁶	311,500	67,000	54,400	22,500
Number of Cars on the Road Traveling to Shelter	155,750	30,820	22,304	10,575
Percentage of all HH Evacuating to a Public Shelter	18%	19%	19%	20%
Number of Cars Needing Parking at Public Shelters	56,070	12,730	10,336	4,500

⁶ US Census, QuickFacts, 2017.

SPECIAL NEEDS⁷ REQUIREMENTS

In a finding similar to one found in 2010, only 16 percent of the respondents reported having household members who have special needs that require attention during an event. The large majority are households with one member age 60 or older (13%). This small percentage, however, translates into thousands of households on each island. It's also important to note that most public shelters are not ADA accessible, nor do most have backup power in case of power shortages in the public grid. This further complicates the ability of a shelter to accommodate residents with special needs.

Table I-13: Special Assistance Needed During Weather Emergency

Q35: How many of your household members have special needs that require attention or assistance in case of a weather emergency?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
17 years and younger					
One	1	2	*	0	2
Two or more	*	*	0	1	*
18-59 years of age					
One	2	2	2	3	2
Two or more	*	*	1	*	*
60 years and older					
One	10	10	11	10	10
Two	3	3	2	2	2
Three or more	*	*	0	0	0
No one with disabilities in house/NR	84	83	85	84	84
<i>Base (unweighted)</i>	2488	934	445	440	669

The types of assistance required vary widely and present unique challenges. For example, of those saying they have household members who need assistance, 5 percent need a medical bed and 30 percent say they need ADA accessible accommodations. Only 37 percent report needing transportation assistance.

⁷ Residents with "Access and Functional Needs" are referred to as residents with "Special Needs" in 2018 because that was how they were referred to in 2010; for tracking purposes they were similarly identified.

Table I-14: Types of Assistance for Special Needs Household Members

Q36: What type of assistance would these household members require? (Asked of respondents with household members who have special needs)

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Transportation	37	37	36	34	39
ADA accessible accommodations	30	31	26	27	26
Caregiving assistance for daily living activities	26	24	35	31	29
Refrigeration for essential medication	18	20	11	19	19
Electricity for a medical device	16	15	20	16	15
Medical bed	5	4	6	5	8
Access to medical Care/medicines	3	1	5	6	6
Childcare help	2	2	0	1	0
Other	13	14	11	9	18
<i>Base (unweighted)</i>	<i>443</i>	<i>172</i>	<i>75</i>	<i>64</i>	<i>132</i>

Despite these disparate needs, it appears that many households are taking responsibility for these household members, with three of ten respondents saying they are well prepared to care for their special needs household member. On the other end of the spectrum 16 percent say they are not prepared at all.

Table I-15: Level of Preparation for special needs Household Members

Q37: Are you prepared to take care of your household members with special needs in case of a weather emergency? (Asked of respondents with household members who have special needs)

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Yes, well prepared	29	26	41	28	30
Yes, somewhat prepared	55	57	46	55	54
Not at all prepared	16	17	13	16	16
<i>Base (unweighted)</i>	<i>563</i>	<i>213</i>	<i>101</i>	<i>92</i>	<i>157</i>

SECTION III: SENSE OF SECURITY

CONCERN

So, how worried are Hawaii's residents about hurricanes? There appears to be a mixed sense of security. Significantly more respondents, than was expressed in 2010, are worried that a hurricane could cause major damage to their island in the coming year. Is this increase of concern caused by a heightened awareness of climate change or a concern caused by the increased level of hurricane activity throughout the world since 2010, some of which resulted in significant damage in other island communities? It could be a variety of other concerns as well, but whatever the reasons, more respondents are increasingly worried.

Q: How worried are you that there will be a hurricane in the next year that will cause major damage to your island?

	State <u>2010</u> (%)	State <u>2018</u> (%)
Very worried	13	25
Somewhat worried	49	58
Not at all worried	34	17
No Response	4	*

Table II-1: Concern about a Hurricane Causing Major Damage

Q1: How worried are you that there will be a hurricane in the next year that will cause major damage to your island?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Very worried	25	26	19	21	28
Somewhat worried	58	58	58	65	57
Not at all worried	17	16	23	13	15
No response	*	0	0	*	*
<i>Base (unweighted)</i>	2488	934	444	440	669

This heightened concern is also reflected in concerns about their own homes. Over half of the respondents in every County expect damage to their homes if a hurricane should strike their community. One in five say damage is “very likely”. Only 13 percent appear confident that their homes are safe.

Table II-2: Likelihood of Damage to their Home in a Hurricane

Q3: Do you think your home would be seriously damaged or destroyed by a hurricane striking your community?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Very likely	20	19	17	18	28
Somewhat likely	37	36	38	43	35
Somewhat unlikely	23	23	25	24	21
Very unlikely	13	13	15	8	9
Not sure	8	9	6	8	7
<i>Base (unweighted)</i>	2483	931	445	440	667

Table II-3: Reasons Respondents Feel Home is Safe or Unsafe

Q4: Why do you believe your home will be safe or unsafe in a hurricane?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Safe					
House built solid/safe room/prepared	21	22	20	25	17
Location	8	7	8	6	9
Live in high rise	6	8	2	0	1
Just feel safe/faith	3	3	3	3	3
Optimistic given past experience	2	2	2	9	1
Unsafe					
Location	14	14	16	10	16
Home not solidly built	13	13	11	10	14
House is old	11	10	12	10	13
Falling trees/flying debris cause damage/high winds	4	3	6	6	5
Hurricanes can destroy anything	3	3	3	2	3
Just feel unsafe	1	1	1	2	2
Pessimistic given past experience	0	0	0	2	0
Depends on the severity of the storm/Not sure	4	4	4	5	4
<i>Base (unweighted)</i>	<i>2484</i>	<i>933</i>	<i>444</i>	<i>440</i>	<i>667</i>

Despite this consistent high level of concern that a hurricane will cause damage on their island in the near future, and that their homes are vulnerable, respondents are boldly unlikely to evacuate their home to a safe shelter. It is not until a hurricane reaches a Category 4 that a majority of respondents would seek safety in a shelter other than their own home.

Table II-4: Likelihood to Evacuate from Approaching Hurricane

Q11: If a hurricane was approaching your community, for each category of hurricane, please tell us whether you would stay at home, go to a public shelter or seek safe shelter elsewhere?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Category 1					
Stay at home	96	96	97	96	96
Go to a public shelter	2	2	1	1	2
Seek other types of Shelter	1	1	1	2	1
Don't know	1	2	1	1	1
<i>Base (unweighted)</i>	2235	835	397	406	597
Category 2					
Stay at home	88	88	93	91	87
Go to a public shelter	6	6	4	4	6
Seek other types of Shelter	4	4	3	3	6
Don't know	1	2	6	2	1
<i>Base (unweighted)</i>	2129	796	382	387	564
Category 3					
Stay at home	68	68	68	75	65
Go to a public shelter	15	14	17	11	16
Seek other types of Shelter	13	13	10	10	14
Don't know	4	4	5	3	5
<i>Base (unweighted)</i>	2158	809	396	393	560
Category 4					
Stay at home	37	35	39	52	35
Go to a public shelter	29	31	28	20	29
Seek other types of Shelter	21	21	21	19	23
Don't know	13	14	12	9	12
<i>Base (unweighted)</i>	2172	816	400	393	563
Category 5					
Stay at home	28	28	26	43	26
Go to a public shelter	31	30	33	26	33
Seek other types of Shelter	22	23	22	17	23
Don't know	19	19	19	14	18
<i>Base (unweighted)</i>	2225	833	407	405	580

It should be noted that in another question regarding likelihood to evacuate (see Table I-1), respondents appeared much more likely to evacuate IF RECOMMENDED TO DO SO by emergency authorities. Under those circumstances, 48 percent of the respondents said they would be very likely to evacuate, presumably regardless of the intensity of the storm. Without a similar recommendation, it appears that a hurricane would have to reach a Category 4 before similar evacuation rates would be achieved. Similar findings were expressed in the 2010 survey.

Clearly, despite a drop in their confidence level, the recommendation and guidance of emergency authorities remains important during emergency situations.

SECTION IV: PREPAREDNESS

PLANNING AND PREPARATION

Year in and year out, in the beginning of summer, local media run stories and advertisements advising families to prepare for hurricane season. The first step in preparation is family planning on what to do if a hurricane is approaching, the second step is gathering the supplies. It appears that households in Hawaii are taking the first step, but maybe not the second. At least not in December, when this survey was run.

The large majority of respondents (71%) say they have done their family planning, but only 15 percent say they are very prepared to take care of their families. The latter finding is curious given the high level of concern about the damage a hurricane can cause. But it reflects the results from later questions and likely reflects a confidence that they can get ready quickly.

Table III-1: Family Planning in Anticipation of Hurricanes

Q5: Have you and your family planned what to do before a hurricane arrives?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Yes	71	69	72	83	72
No	24	24	24	15	24
Don't know	5	6	4	3	4
<i>Base (unweighted)</i>	<i>2459</i>	<i>920</i>	<i>442</i>	<i>438</i>	<i>659</i>

Table III-2: Level of Preparation

Q2: If a damaging hurricane were to strike your community, how prepared are you and your family to take care of yourselves?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Very prepared	15	14	19	20	15
Somewhat prepared	61	61	62	64	61
Somewhat unprepared	19	20	16	14	17
Very unprepared	5	6	4	2	7
<i>Base (unweighted)</i>	<i>2475</i>	<i>931</i>	<i>440</i>	<i>439</i>	<i>665</i>

As noted, a second step in preparation is the gathering of supplies to take care of the family both during an event and until response and recovery can begin following a hurricane.

The recommendation from emergency authorities is that two weeks of water and food be in storage. The responses to the following two questions indicate that respondents are not as prepared as is recommended. At least seven out of ten households (71%) cannot take care of their households for two weeks without outside assistance, and six in ten households (59%) do not have two weeks of essential supplies.

One should note that Kauai County has slightly higher levels of preparedness. This was a consistent finding in 2010 as well. The speculation at the time was that experience is the best teacher and the impact of Iniki resulted in increased awareness and preparation for future events. The gap between Kauai residents' awareness and preparation has closed relatively to the other Counties, but not completely.

Table III-3: Length of Time Before Help is Needed

Q6: How long do you think you are able to take care of your family without any outside help?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
One day or less	3	3	2	2	6
A few days	31	33	29	24	27
Up to one week	37	36	38	35	37
Up to two weeks	19	18	21	28	20
More than two weeks	10	9	10	12	11
<i>Base (unweighted)</i>	2469	925	445	439	660

Table III-4: Duration of Essential Supplies

Q7: Given your current level of essential supplies (e.g. food, water, medicine) how long do you think you could take care of your family without any outside help?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Two days or less	9	10	6	4	12
Three to seven days	49	50	48	47	48
Eight to fourteen days	30	30	31	35	29
More than fourteen days	11	10	15	14	12
<i>Base (unweighted)</i>	2464	921	443	437	663

When asked why they don't have two weeks of supply, most respondents provided practical rather than reasons of procrastination or non-concern. Half the respondents (52%) said they may not be prepared now, but they will be before the events occur. Coupled with those who said they simply do not have enough space in their home (31%) and that it was too expensive to maintain a two week level of food and water (22%), one sees that the large majority of responses have to do with timing and economics.

This question was asked as an open-ended question, and the responses were interesting. Many respondents said that they do keep a one to two week supply of food and water during hurricane season. But following hurricane season, they use those supplies and re-stock in the early summer. Many food, battery, and medicinal items have shelf lives and respondents were unwilling to lose those items because their useful lives had elapsed. There was a greater sense of awareness around the need for hurricane supplies than the question results may reflect.

A significant implication of this approach, however, is that by waiting to stock up, one runs the risk of getting caught in a run on supply at the last moment. Stores are no more likely than residents to keep an unused supply; if they cannot anticipate a surge, their supplies will be limited and prices will rise. It's a risk residents assume; some by default.

Table III-5: Reasons for Not Having Two Weeks of Supplies

Q8: Emergency authorities advise that we have two weeks of essential supplies stored as preparation for a hurricane. If you don't have that level of essential supplies, why do you think you don't?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Not prepared now, but we will get everything before the event	51	51	51	55	51
No space in our house	31	34	23	24	24
Too Expensive to maintain that level	22	22	23	20	26
Don't believe these events are serious enough to justify the preparation	7	7	9	3	5
Don't know what we need	6	7	4	6	8
Don't think it's likely to occur	6	5	10	4	9
We expect that government will bring help quickly	5	5	4	6	7
Other reasons	8	8	9	12	7
<i>Base (unweighted)</i>	<i>2068</i>	<i>807</i>	<i>366</i>	<i>348</i>	<i>547</i>

HOUSING

As noted in Table III-6, the quality of home construction is one of the key factors in determining whether the respondent has faith in one's home to withstand hurricane conditions. Yet, respondents have not taken the steps to reinforce their homes. Only 36 percent believe they have done so.

When asked for specific improvements, the results were similar to the 2010 results. Except for an increase in Generators, there was no significant change. Hurricane Clips remain the most often cited improvement.

Table III-6: Homes Reinforced to Withstand Hurricanes

Q25: Has any part of your home been reinforced to withstand hurricane force winds?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Yes	36	35	36	53	36
No	36	36	38	23	40
I'm not sure	28	29	27	23	24
<i>Base (unweighted)</i>	<i>2414</i>	<i>905</i>	<i>434</i>	<i>427</i>	<i>648</i>

Table III-7: Specific Improvements to Homes

Q26: Does your home or housing complex have any of the following?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Emergency Generator					
Yes	28	29	21	37	27
No	62	59	71	58	68
Don't know	10	11	7	5	5
<i>Base (unweighted)</i>	2361	878	421	420	642
Water Catchment & Tank					
Yes	9	8	14	10	13
No	77	75	80	85	81
Don't know	14	17	6	5	6
<i>Base (unweighted)</i>	2311	864	422	401	624
Anchor Cables					
Yes	10	10	10	11	9
No	62	59	67	73	73
Don't know	27	31	23	16	18
<i>Base (unweighted)</i>	2282	856	411	398	617
Hurricane Clips					
Yes	34	32	30	56	39
No	42	42	48	28	45
Don't know	24	27	21	15	16
<i>Base (unweighted)</i>	2363	878	424	427	634
Hurricane Shutters					
Yes	7	7	4	11	6
No	80	77	88	82	87
Don't know	13	16	8	7	7
<i>Base (unweighted)</i>	2299	855	414	408	622

SECTION V: COMMUNICATION

REACHING THE RESIDENTS

So much has changed since 2010. The significant role of the internet, home to social media, government websites, and other websites and apps, has changed the face of communication. Whereas websites and apps were hardly mentioned at all in 2010, 57 percent of the mentions were of that nature in 2018. Another significant change regards the role of newspapers. In 2010, half of the respondents (50%) relied on newspapers to help them prepare for hurricanes; they are a primary source for only 27 percent today. Newspapers are hardly mentioned at all as a source of information for approaching hurricanes.

What has not changed is the importance of television and radio. If anything, their role as primary sources has grown both in planning and preparation for hurricanes and in informing the public as a hurricane is approaching. This is continual good news, since their penetration is so extensive. Nearly everyone has a television or radio. These media have their limitations for educating and preparing the public, but they offer the opportunity to make contact and to refer listeners to platforms that can handle more detailed discussions (e.g. websites, workshops, literature).

Clearly the most effective media for educating and providing information immediately are through television, radio, and various internet platforms.

Table IV-1: Communication Tools for Planning and Preparation

Q9: From where do you get most of your information about how to plan and prepare for a hurricane?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Television	75	76	71	67	72
Local radio	45	44	52	44	46
Newspaper	27	28	29	25	23
Government websites	24	23	25	29	25
Other websites or apps	22	21	23	21	27
Facebook and other social media	11	9	14	12	16
Your employer	9	10	6	7	7
Non-profit agencies, e.g. the Red Cross	5	5	6	9	6
Your neighborhood board or association	4	4	4	5	5
Preparedness fairs	3	3	3	3	3
Friends/Family/Neighbors	2	2	1	1	2
Other	7	7	7	12	7
<i>Base (unweighted)</i>	<i>2451</i>	<i>928</i>	<i>437</i>	<i>430</i>	<i>656</i>

Table IV-2: Communication for Information on Approaching Hurricanes

Q10: How do you keep informed about an approaching storm or hurricane?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Television	82	84	77	77	78
Local radio	52	51	56	52	48
Other websites or apps	28	27	30	29	33
Government websites	22	22	22	27	23
Emergency warning siren system	22	23	18	20	24
County emergency notification system	19	16	31	29	20
Word of mouth	10	9	10	11	15
Facebook and other social media	10	9	11	9	13
Your employer	7	8	4	3	5
Police	1	1	2	1	4
Other	4	4	4	4	3
<i>Base (unweighted)</i>	<i>2474</i>	<i>926</i>	<i>444</i>	<i>439</i>	<i>665</i>

INFORMATION FOR RENTERS

It's important to note that one quarter of the residents' homes are occupied by renters and of that number slightly less than half get information from their landlords as to hurricanes and what to do when one is approaching. Like everyone else they will get the short-term, immediate message from radio and television, but will they have context or be aware of what to do? It's a difficult conversation to have as landlords don't want to scare off tenant's, but it becomes extremely important as hurricanes approach.

Table IV-3: Renters' Information

Q31: Have you received any information from your landlord as to what to do in case of major storms or weather emergencies?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Yes, I've received information from my landlord	8	9	9	6	7
No, I have not received information from my landlord	17	18	14	14	15
I own my own home	75	73	77	80	78
<i>Base (unweighted)</i>	<i>2400</i>	<i>894</i>	<i>436</i>	<i>417</i>	<i>653</i>

EMERGENCY MANAGERS

If the best media for messages both in preparation and during an event are clear, then who is the messenger? Are the Emergency Managers still the best spokespersons?

In 2010, Hawaii emergency authorities enjoyed extremely high regard. Well over half the respondents had a great deal of confidence in them with only a handful in each County expressing little or no confidence. This is critically important given the role of emergency authorities in issuing emergency warnings and in triggering evacuations. It is also crucial as they play a significant role in educating and preparing the population for weather emergencies.

In January 2018, an alert was issued by the HIEMA warning of a missile being launched from North Korea headed toward Hawaii. It proved to be false, but created significant havoc in the population. The reader may recall these prophetic lines from the 2010 survey report, “A recommendation from the Civil Defense Authorities is clearly one of the most important, if not the most important factor in decisions to evacuate. Their instruction and their recommendations will trigger significant public movement in times of crises. These must be accurate and timely or serious confusion could prevail.”

In the aftermath, speculation was that the trust afforded to emergency managers had diminished. The current survey results confirm that belief. The number of respondents who have a great deal of confidence has been cut in half and those with little or no confidence has more than tripled.

Q: In general, how much confidence do you have in the ability of our emergency authorities to decide whether you need to evacuate?

	State 2010 <u>(%)</u>	State 2018 <u>(%)</u>
A great deal of confidence	58	28
Some confidence	37	56
Little or no confidence at all	4	15
Don't know/not sure	2	1

The diminishment of confidence has occurred in all Counties.

Table IV-4: Confidence in Emergency Authorities Decision-Making

Q22: In general, how much confidence do you have in the ability of our emergency authorities to decide whether you need to evacuate?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
A great deal of confidence	28	26	34	33	27
Some confidence	56	59	51	51	55
Little confidence	11	10	11	12	12
No confidence at all	4	4	2	2	4
No response	1	1	2	2	2
<i>Base (unweighted)</i>	2488	934	445	440	669

This slippage in confidence is re-enforced when respondents were asked how prepared government authorities are to respond to major hurricanes. Only one in five (19%) believe they are very prepared. Perhaps unfair, but the loss of reputation by emergency management is likely impacting all services that work during times of emergencies.

Table IV-5: Confidence in Authorities Preparation

Q20: To what extent do you believe that State and County government authorities are prepared to respond to major hurricanes?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Very prepared	19	17	24	22	18
Somewhat prepared	56	56	58	55	51
Somewhat unprepared	17	17	14	16	20
Very unprepared	9	10	5	7	11
<i>Base (unweighted)</i>	2446	922	437	435	652

The findings in these two last two questions explains in large part why the tendency to evacuate when given the recommendation to do so has less effect in 2018 than it did in 2010. As noted, however, in Section III, the likelihood of evacuating has only slipped 10 percentage points. Clearly, although confidence has slipped significantly, the impact of the recommendation of the emergency authorities remains important; the tendency is still to act on their recommendations.

Table IV-6: Effect of Recommendation on Inclination to Evacuate

Q12: If emergency authorities recommended that you evacuate your home because of an approaching hurricane, how likely are you to evacuate?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Very likely to evacuate	48	50	46	41	47
Somewhat likely to evacuate	29	28	30	29	28
Somewhat unlikely to evacuate	11	11	12	13	14
Very unlikely to evacuate	8	8	8	13	9
Don't know	3	3	4	4	3
<i>Base (unweighted)</i>	2453	922	435	435	661

This finding is re-enforced when respondents were asked for the factors they consider in making a decision to evacuate. The recommendation of the emergency authorities is still among the most important factors.

Table IV-7: Most Important Factors in a Decision to Evacuate

Q15: What would be the two most important factors in deciding whether or not to evacuate your home?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
The severity of the hurricane	73	73	72	69	73
Recommendation of the emergency authorities	45	46	45	37	42
The danger to my family	25	26	25	19	22
Whether I believe my home can withstand the hurricane	20	19	22	24	21
Past experience with a hurricane	8	7	7	22	6
The isolation of my home	1	0	1	0	2
The Level of help from others in my community	1	1	1	1	2
Whether I can bring my pet with me	10	9	12	11	12
My level of preparedness at home	9	9	10	10	11
Other	1	1	1	1	1
<i>Base (unweighted)</i>	2442	919	434	433	656

Additionally, respondents seem to believe emergency authorities are appropriately measured in their call for evacuations. There is no sense that emergency authorities are unnecessarily alarmists.

Table IV-8: Frequency of Evacuations

Q23: Do you think emergency authorities tend to call for evacuation more often than they should, less often than they should or about as often as they should?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
More often than they should	18	18	19	15	20
About as often as they should	79	78	80	81	77
Less often than they should	3	3	2	4	3
<i>Base (unweighted)</i>	<i>2380</i>	<i>889</i>	<i>427</i>	<i>419</i>	<i>645</i>

The findings in this section are mixed, especially when compared to the findings of parallel questions in 2010, but if one steps back, one sees that although the confidence in emergency authorities has diminished in the last decade, the recognition of their contribution has not. They are still recognized as key components in preparation for hurricanes. It highlights, however, the importance of re-establishing the reputations they have enjoyed in the past. In times of crises, there can be no doubt or hesitation, and high levels of trust in this key component are necessary.

SECTION VI: PETS

At the time of the last survey, other states were beginning to give more attention to pet-friendly sheltering. It did not, however, seem necessary in Hawaii. The 2010 survey found otherwise. Nearly half the respondents reported that they had pets and that many were concerned for their pets' safety in a weather emergency; to the point that many would not evacuate without their pets. The 2018 survey finds similarly.

The current survey finds that 52 percent of the respondents have pets, most notably on the neighbor islands, and the large majority intend to take their pets with them if evacuation becomes necessary.

Table V-1: Households with Pets

Q38: How many pets does your household have?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
None	47	51	41	41	37
One	25	25	24	25	28
Two	12	11	15	16	14
Three or more	15	13	20	18	21
<i>Base (unweighted)</i>	2133	787	389	393	564

Table V-2: Evacuation with Pets

Q39: What would you do with your pets if you had to evacuate? (Asked of respondents with pets)

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Take them with me	76	79	73	64	72
Leave them at home	6	4	9	11	12
Leave them with family or friends	1	1	1	0	0
Stay home with them	8	7	10	16	7
I don't know	8	8	8	9	9
<i>Base (unweighted)</i>	1295	416	252	244	383

Whether or not there are pet friendly shelters has a significant impact on whether pet owners intend to evacuate. Two-thirds are more inclined to go to shelters if their pets can be accommodated.

Table V-3: Importance of Pet Friendly Shelters

Q40: If a public shelter could accommodate your pet, would you be more inclined to go to a public shelter in the face of a hurricane, or would it not make any difference?

(Asked of respondents with pets)

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
I would be more inclined to go to a shelter	66	67	37	56	61
It would make no difference	34	33	33	44	39
<i>Base (unweighted)</i>	<i>1280</i>	<i>406</i>	<i>248</i>	<i>244</i>	<i>382</i>

Additional, where respondents' pets are located within the shelter is also of concern to most; important enough that over half (52%) say they would seek shelter elsewhere if their pet(s) were kept separate from household members.

Table V-4: Where Pets are Kept within a Shelter

Q41: If a public shelter kept you pet in a different area in the shelter than where you are staying, would you be more inclined to seek shelter elsewhere in the face of a hurricane, or would it not make any difference? (Asked of respondents with pets)

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
I would be more inclined to seek shelter elsewhere	52	52	53	51	51
It would make no difference	48	48	47	49	49
<i>Base (unweighted)</i>	<i>1258</i>	<i>404</i>	<i>241</i>	<i>239</i>	<i>374</i>

APPENDIX A: METHODOLOGY

BASIC METHODOLOGY

Given the requirements of the research and the resources available, the research team deemed it best to use a research methodology built around a mail survey, but supplemented by telephone and a web-based application where appropriate and necessary. The survey was successfully fielded by SMS Research and Marketing Services from their Honolulu offices in a very short time frame. The final sample of 2,488 interviews was collected entirely in the month of December, 2018.

The survey questions were primarily drawn from the questions approved by US Office of Management and Budget (OMB) and fielded in Hawaii in 2009-2010. The survey list and content was supplemented by questions from surveys referenced through the IWR approved OMB surveys website and from questions uniquely designed to solicit responses pertaining to sheltering in place and to communication issues. The survey instrument was designed to result in an average completion length of 30 minutes. They were carefully screened and edited by the sponsor team made up of the Hawaii Emergency Management Agency, the Federal Emergency Management Agency, and the US Army Corps of Engineers. It was finally reviewed and approved by OMB.

SAMPLE DESIGN

The universe for the survey was all residential households in the State. The sample was stratified geographically and randomly selected within each sub-region. The stratifications were two fold, first by County and then by whether the household was located in the inundation zone along the coast (hereafter called “coastal”) or whether it was located inland of the inundation zone (“inland”). The sample size was designed to achieved a minimum of 5% sample error at 95% confidence levels.

The results were analyzed by County, and by coastal vs. inland locations. The results were NOT looked at by individual County splits of coastal vs. inland locations. The individual County samples were too small for that analysis, and was never intended to be reviewed. The intended sample sizes and the final sample sizes were as follows.

	<u>Intended Sample</u>	<u>Final Sample</u>	<u>Margin of Error</u>
State Total	2,200	2,488	2.0%
Honolulu	900	934	3.2%
Hawaii	400	445	4.6%
Kauai	400	440	4.6%
Maui	475	669	3.5%
Coastal	1,075	1,139	2.9%
Inland	1,125	1,349	2.7%

The original design called for mailing 11,000 initial surveys. Because of the short collection time frame, that number was boosted to 13,677. That resulted in a final response rate of 18%, well within the expected range of 15-20%.

COLLECTION METHODOLOGY

The primary tool for this research was a survey of the general population, which was designed to be fielded in two phases (see Appendix B for a copy of the survey instrument). The first phase was a printed survey instrument that was mailed to prospective respondents, who had the option of completing the survey by return mail or by telephone.

In the second phase, interview professionals telephoned respondents who had not returned their survey instruments by mail. Using the same survey instrument, they completed the required interviews until the regional quotas had been achieved. The regional quotas eventually were exceeded because some of the returned mail got to the company after the telephone interviews were completed but before the collection deadline. Their information was included.

The mail survey allowed the researchers to economically reach large portions of the population. It also afforded the opportunity to specify inland versus coastal locations more precisely than other survey options. Understanding that mail surveys often suffer from low response rates and bias due to self-selection, the research design employed multiple waves of encouragement and outreach. The original research methodology envisioned two or three waves of mailed surveys in order to achieve the design sampling quotas.

However, reviews by multiple Federal offices cut the length of the collection phase from three months to one month. This necessitated some creativity. As a result, the researchers enhanced the collection process by significantly increasing the number of initial surveys sent out, collapsing the initial mailing from three waves of mailing to one, and starting the telephone interviews much earlier than anticipated. Targeted collection quotas were achieved; no survey received after December 31 was included in the final sample.

The fielding dates were as follows:

- 12/1/18 Mailed initial survey packages with an introductory letter signed by Tom Travis, Administrator of the Hawaii Emergency Management Agency, instructions for completing the survey, a copy of the survey instrument, a return envelope, and a description of the various categories of Hurricanes.
- 12/8/18 Reminder cards urging completion of the surveys mailed
- 12/15/18 Second reminder cards urging completion of the surveys mailed
- 12/22/18 Telephone calls to households who had not yet been returned their survey and where quotas had not yet been achieved.
- 12/30/18 All data collection stopped. Quotas for all sub-regions achieved.

ANALYSIS

All returned surveys were checked for completeness and logic, coded for open-ended questions, and scanned and evaluated using state-of-the-art optical scanning equipment. The basic analysis was administered with SPSS v.22. The final sample was weighted to account for the disproportionate sampling. It was not necessary to weight the final sample for any demographic distortions. Frequencies, banners, crosstabs and basic statistical analysis were provided to Solutions Pacific LLC for analysis and reporting.

The results of the survey are reported within.

READING THE TABLES

There are three types of tables within the reports. The first group of tables are imbedded within the text and compare 2010 results with 2018 results for similar questions. Except for the tables that discuss the Evacuation Rates, all others:

- Add vertically
- Have only percentages in the columns
- Sum to 100% (when they don't, it's due to rounding error)

The imbedded table on Evacuation Rates is also in columnar form, but those percentages do not add to 100%. The figures relate to each other, but they stand alone and don't sum in either direction.

The second type of tables within the report are 2018 results for the question stated at the top of each table. They are distinguished with the teal banner, with the State and the Counties in the banner:

- Each column is defined by the label at the top of the column. Typically, the first numerical column is "State" and those figures represent how the question was answered by the entire sample. The second numerical column lists how the Honolulu residents answered the questions, the third how Hawaii Island residents answered the question and so on.
- With the exception of the unweighted base, the figures in the columns are all weighted percentages and typically sum to 100%, $\pm 1\%$. The few questions where columns exceed 100% are because multiple answers were allowed.
- The numbers at the bottom of each column are frequencies, not percentages. They provide the number of respondents who answered that question. Unweighted bases are used in order to give an accurate picture of how many people answered. If weighted bases were provided, the impression would be greatly skewed.

APPENDIX B: SURVEY INSTRUMENT

Instructions: The survey will provide emergency management agencies and their partners with information they need to better prepare all of us for hurricanes and major storms. Please complete it to the best of your ability. If you have any questions, please contact SMS Research and Marketing Company at (808) 537-3356 or hurricanes@smshawaii.com.

1. How worried are you that there will be a hurricane in the next year that will cause major damage to your island?
 Very worried..... ☐
 Somewhat worried ☐
 Not at all worried ☐
2. If a damaging hurricane were to strike your community, how prepared are you and your family to **take care of yourselves**? Do you feel you are
 Very prepared ☐
 Somewhat prepared ☐
 Somewhat unprepared ☐
 Very unprepared ☐
3. Do you think that **your** home would be seriously damaged or destroyed by a hurricane striking your community? Is it.....
 very likely ☐
 somewhat likely ☐
 somewhat unlikely or ☐
 very unlikely ☐
 Not sure ☐
4. Why do you believe that your home would be safe or unsafe in a hurricane?
 Specifically:
5. Have you and your family planned what to do before a hurricane arrives?
 Yes..... ☐
 No ☐
 Don't know ☐
6. How long do you think you are able to take care of your family without any outside help after a hurricane, one where power has been disabled, water delivery has been disrupted, roads are blocked?
 One day or less..... ☐
 A few days ☐
 Up to one week..... ☐
 Up to two weeks ☐
 More than two weeks..... ☐
7. Given your current level of essential supplies (e.g. food, water, medicine), how long do you think you could take care of your family without any outside help?
 Two days or less..... ☐
 Three to seven days ☐
 Eight to fourteen days..... ☐
 More than fourteen days..... ☐

8. Emergency authorities advise that we have two weeks of essential supplies stored as preparation for a hurricane. If you don't have that level of essential supplies, why do you think you don't?
[Indicate the two most important]
 Too expensive to maintain that level ☐
 No space in our house ☐
 Don't know what we need ☐
 Not prepared now, but we will get everything before the event ☐
 We expect that government will bring help quickly..... ☐
 Don't believe these events are serious enough to justify the preparation ☐
 Don't think it's likely to occur ☐
 Other reasons (please describe): ☐
 ☐
9. From where do you get most of your information about how to **plan and prepare** for a hurricane?
[Indicate the three most important]
 Local radio ☐
 Television ☐
 Government websites..... ☐
 Other websites or apps ☐
 FaceBook and other social media ☐
 Newspaper ☐
 Preparedness fairs ☐
 Your employer ☐
 Non-profit agencies such as the Red Cross..... ☐
 Your neighborhood board or association ☐
 Other: ☐
10. How do you keep informed about an **approaching** storm or hurricane? Information like, when it is going to hit; how severe it is; etc.?
[Indicate the three most important]
 Local radio ☐
 Television ☐
 Government websites..... ☐
 Other websites or apps ☐
 Emergency warning siren system ☐
 County emergency notification system ☐
 Police ☐
 Word of mouth ☐
 FaceBook and other social media ☐
 Your employer ☐
 Other ☐

11. If a hurricane was approaching your community, for each category of hurricane, please tell us whether you would stay at home, go to a public shelter or seek safe shelter elsewhere? *[For this question, please refer to the attached yellow sheet where the different categories of a hurricane are described – mark only one response in each column].*

	Category 1	Category 2	Category 3	Category 4	Category 5
Stay at home	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Go to a public shelter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seek other types of shelter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Don't know	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

12. If emergency authorities RECOMMENDED that you evacuate your home because of an approaching hurricane, how likely are you to evacuate?

Very likely to evacuate ☐
 Somewhat likely to evacuate ☐
 Somewhat unlikely to evacuate ☐
 Very unlikely to evacuate ☐
 Don't know ☐

13. Once you make the decision to evacuate, how much time do you need to gather your critical belongings and evacuate your home?

48 hours or more ☐
 24 to less than 48 hours ☐
 12 to less than 24 hours ☐
 6 to less than 12 hours ☐
 3 to less than 6 hours ☐
 1 to less than 3 hours ☐
 Less than 1 hour ☐

14. How soon before a hurricane is scheduled to reach your community are you likely to go to the place you intend to shelter from the hurricane?

24 to less than 48 hours ☐
 12 to less than 24 hours ☐
 6 to less than 12 hours ☐
 3 to less than 6 hours ☐
 1 to less than 3 hours ☐
 Less than 1 hour ☐

15. What would be the TWO most important factors in deciding whether or not to evacuate your home?

The severity of the hurricane ☐
 Recommendation of the emergency authorities. ☐
 The danger to my family ☐
 Whether I believe my home can withstand the hurricane ☐
 Past experience with a hurricane ☐
 The isolation of my home ☐
 The level of help from others in my community .. ☐
 Whether I can bring my pet with me ☐
 My level of preparedness at home ☐
 Other ☐

16. If you decided to evacuate and seek safe shelter from an approaching hurricane, where would you go? If your first choice were not available, what would be your second choice? *[Please read the entire list before answering the question- mark only one item per column.]*

	First Choice	Second Choice
A public emergency shelter	<input type="radio"/>	<input type="radio"/>
A private school	<input type="radio"/>	<input type="radio"/>
A hotel/motel	<input type="radio"/>	<input type="radio"/>
The home of a friend or relative	<input type="radio"/>	<input type="radio"/>
A church/place of worship	<input type="radio"/>	<input type="radio"/>
A hospital	<input type="radio"/>	<input type="radio"/>
My workplace	<input type="radio"/>	<input type="radio"/>
I'm not sure	<input type="radio"/>	<input type="radio"/>
Other: _____	<input type="radio"/>	<input type="radio"/>

17. What services and supplies do you expect to find at a public shelter?

Specifically:

18. Please respond if you indicated in Question 16 that you would go to a public shelter *[if not, skip to Q19]*. If you found that the services and supplies you expect to find at a public shelter were not available at the public shelter you went to, would you stay or would you seek other shelter?

Stay ☐
 Seek other shelter ☐
 Not sure ☐

19. If a household member worked for a company that permitted sheltering at the workplace, would you prefer to shelter with that company or would you rather shelter at your preferred location that you indicated in question 16?

Workplace shelter ☐
 Currently preferred location ☐

20. To what extent do you believe that State and County government authorities are prepared to respond to major hurricanes?

Very prepared ☐
 Somewhat prepared ☐
 Somewhat unprepared ☐
 Very unprepared ☐

21. How would you get to where you intend to evacuate?
- Personal vehicle ☐
- Bus/public transportation ☐
- Walk ☐
- Bicycle..... ☐
- Other ☐
22. In general, how much confidence do you have in the ability of our emergency authorities to decide whether you need to evacuate?
- A great deal of confidence ☐
- Some confidence ☐
- Little confidence ☐
- No confidence at all ☐

23. Do you think emergency authorities tend to call for evacuation more often than they should, less often than they should, or about as often as they should?
- More often than they should..... ☐
- About as often as they should ☐
- Less often than they should ☐
24. Is your home located in an area likely to flood in major storms?
- Yes ☐
- No ☐
- I'm not sure..... ☐
25. Has any part of your home been reinforced to withstand hurricane force winds?
- Yes ☐
- No ☐
- I'm not sure..... ☐

26. Does your home or housing complex have any of the following? *[Please mark only one response in each column]*

	Emergency Generator	Water Catchment & Tank	Anchor Cables	Hurricane Clips	Hurricane Shutters
Yes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
No	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Don't know	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

27. Emergency authorities are currently urging people to make changes to their home to better protect them against major hurricanes, such as adding hurricane clips or adding a double wall to homes that are single wall constructed. This would allow people to take shelter in their home instead of evacuating. Are you willing to consider making such changes to your home?
- Yes, definitely ☐
- Yes, maybe ☐
- No ☐
- I'm not sure ☐
28. Would you be more likely to consider making improvements to your home if there were tax credits to help off-set some of the costs?
- Yes, definitely ☐
- Yes, maybe ☐
- No ☐
- I'm not sure ☐
29. Is there anything else the emergency authorities could do to encourage you to make changes to your home?
- Specifically:
-
30. Is your home owned by someone who lives there or do you rent your home?
- Own..... ☐
- Rent ☐
- Some other arrangement..... ☐

31. Have you received any information from your landlord as to what to do in case of major storms or weather emergencies?
- I own my own home ☐
- Yes, I've received information from my landlord ☐
- No, I have not received information from my landlord..... ☐
32. What kind of housing unit do you live in?
- A single-family house standing alone..... ☐
- A duplex or townhouse ☐
- A one-story apartment or condo building ☐
- An apartment or condo building with two or more stories ☐
- A dormitory ☐
33. Approximately what year was your home built (please enter 9999 if you don't know)
- _____
34. How many people live in your household, including yourself?
- Total number of people in the household in this age group
- 17 years or younger
- 18-59
- 60 years or older

35. How many of your household members have special needs that require attention or assistance in case of a weather emergency?

Total number of people in the Household who have special needs and require assistance

17 years or younger| |
18-59| |
60 years or older| |
None (go to Question 38).....O

36. What type of assistance would these household members require? [*Check all that apply*]

ADA accessible accommodationsO
Electricity for a medical deviceO
Refrigeration for essential medicationO
Caregiving assistance for daily living activities (e.g. using the restroom; feeding).....O
Medical bedO
Transportation.....O
Other:O

37. Are you prepared to take care of your household members with special needs in case of a weather emergency?

Yes, well preparedO
Yes, somewhat preparedO
Not at all preparedO

38. How many pets does your household have?

No pets (Go to Question 42).....O
OneO
TwoO
Three or moreO

39. What would you do with your pets if you had to evacuate?

Take them with meO
Leave them at homeO
Leave them with family or friendsO
Stay home with themO
I don't know.....O

40. If a public shelter could accommodate your pet, would you be more inclined to go to a public shelter in the face of a hurricane, or would it not make any difference?

I would be more inclined to go to a shelterO
It would make no difference.....O

41. If a public shelter kept your pet in a different area within the shelter than you are staying, would you be more inclined to seek shelter elsewhere in the face of a hurricane, or would it not make any difference?

I would be more inclined to go to seek shelter elsewhereO
It would make no differenceO

42. What is your age in years at your last birthday?

| |

43. How many years have you lived in Hawaii?

| |

44. Which of the following best describes your annual household income from all sources before taxes in 2017?

Less than \$25,000O
\$25,000 to less than \$40,000O
\$40,000 to less than \$70,000O
\$70,000 to less than \$100,000O
\$100,000 to less than \$150,000O
\$150,000 or moreO
I'm not sureO

45. What is your current employment status?

Employed full timeO
Employed part-timeO
UnemployedO
RetiredO
MilitaryO
StudentO
Homemaker.....O

46. Do you have any ideas as to how emergency authorities can help you and your family better prepare for a hurricane?

Yes (specific:.....)....O
No, no ideasO

47. Finally, do you have any ideas you would like to share regarding sheltering Hawai'i's families? All ideas are welcome.

Yes (specific:.....)....O
No, no ideasO

APPENDIX C: HOUSEHOLD CHARACTERISTICS AND RESPONDENT DEMOGRAPHICS

Table C-1: Homes Located in Flood Zones

Q24: Is your home located in an area likely to flood in major storms?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Yes	22	25	13	8	19
No	62	56	78	89	69
I'm not sure	16	19	9	4	11
<i>Base (unweighted)</i>	2429	911	439	430	649

Table C-2: Own or Rent

Q30: Is your home owned by someone who lives there or do you rent your home?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Own	76	75	78	79	79
Rent	21	22	19	18	18
Some other arrangement	3	3	3	3	3
<i>Base (unweighted)</i>	2417	897	435	434	651

Table C-3: Building Type

Q32: What kind of housing unit do you live in?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
A single-family house standing alone	62	55	76	80	79
A duplex townhouse	9	11	4	6	4
A one-story apartment or condo building	3	2	3	5	2
An apartment or condo building with two or more stories	27	32	16	9	15
A Dormitory	0	0	0	0	0
<i>Base (unweighted)</i>	2427	910	437	429	651

Table C-4: Age of Home

Q33: Approximately what year was your home built?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Before 1960	12	13	10	10	10
1960 to 1975	22	25	18	12	16
1976 to 1990	17	14	23	25	24
1991 to 2000	9	7	12	17	14
After 2000	18	17	19	20	19
Not sure/No data	22	24	18	16	17
<i>Base (unweighted)</i>	<i>2488</i>	<i>934</i>	<i>445</i>	<i>440</i>	<i>669</i>

Table C-5: Respondent's Age

Q42: What is your age in years at your last birthday?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Under 25	1	1	0	0	1
25 to 34	5	6	3	3	4
35 to 44	8	8	6	7	7
45 to 54	14	16	10	11	10
55 to 64	26	25	26	25	29
65 to 74	30	28	35	38	31
75 or older	17	17	19	16	19
<i>Base (unweighted)</i>	<i>2401</i>	<i>897</i>	<i>429</i>	<i>429</i>	<i>646</i>

Table C-6: Years Respondent has Lived in Hawaii?

Q43: How many years have you lived in Hawaii?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
5 Years or Less	11	10	13	14	9
6 to 10 Years	7	6	10	8	8
11 to 20 Years	10	7	16	16	17
21 to 40 Years	22	22	20	22	24
41 to 60 Years	26	29	20	18	20
61 to 80 Years	20	21	19	19	19
Over 80 Years	4	4	3	3	4
<i>Base (unweighted)</i>	2382	889	421	429	643

Table C-7: Respondent's Household Income

Q44: Which of the following best describes your annual household income from all sources before taxes in 2017?

	State	Counties			
	Total	Honolulu	Hawaii	Kauai	Maui
	(%)	(%)	(%)	(%)	(%)
Less than \$25,000	9	7	16	11	15
\$25,000 to less than \$40,000	13	12	16	14	18
\$40,000 to less than \$70,000	19	18	20	22	23
\$70,000 to less than \$100,000	18	18	17	14	14
\$100,000 to less than \$150,000	18	20	13	15	11
\$150,000 or more	15	17	8	16	13
I'm not sure	8	8	9	7	5
<i>Base (unweighted)</i>	2303	866	408	409	620

Table C-8: Respondent's Employment

Q45: What is your current employment status?

Employed full-time	44	48	35	38	36
Employed part-time	9	8	10	9	11
Unemployed	2	2	3	1	4
Retired	41	38	50	49	47
Military	1	2	0	0	0
Student	0	0	0	0	0
Homemaker	3	3	3	3	2
<i>Base (unweighted)</i>	<i>2405</i>	<i>901</i>	<i>431</i>	<i>431</i>	<i>642</i>

APPENDIX D: Q46: IDEAS TO HELP FAMILIES PREPARE FOR A HURRICANE

Q46: DO YOU HAVE ANY IDEAS AS TO HOW EMERGENCY MANAGEMENT CAN HELP YOU AND YOUR FAMILY BETTER PREPARE FOR A HURRICANE?

(Q46 was added to the survey to allow respondents to add thoughts and ideas not specific to the questions within the survey. A little over 20% of the respondents provided comments. They are presented within, edited only for grammar. They are also categorized by common thread of thought. They were never meant to be statistically analyzed but rather to provide the clients with some anecdotal thoughts.)

Q46: Do you have any ideas as to how emergency authorities can help you and your family better prepare for a hurricane?

CATEGORIES OF COMMENTS	%
Provide more information/build a better website/educate/train/communicate more	43
Help us harden our homes	13
Provide emergency kits	3
Ensure more reliable communication/electrical systems	4
We need competent emergency people/no more false alarms	5
Manage traffic better/more bus service to the shelters	4
Do a better job preparing public infrastructure for storms	5
Shelter concerns: more and safer shelters/deal with pets/stock shelters with more supplies/ensure safety	13
Miscellaneous/Other ideas	10
<i>Total Comments</i>	<i>554</i>

SPECIFIC COMMENTS:

PROVIDE MORE INFORMATION/BUILD A BETTER WEBSITE/EDUCATE/TRAIN/COMMUNICATE MORE

FZ100001 TRAIN ON HOW TO ACCESS TO WATER TANKS IN BUILDING ETC
 FZ100227 DO QUARTERLY DRILLS
 FZ100234 TAKE CLASSES AND LAUNCH MORE SATELLITES
 FZ100242 LET US KNOW ABOUT SHELTER LOCATIONS
 FZ100338 INFO OF HOW TO GET EMERGENCY SUPPLIES
 FZ100385 ACCURATE FORECAST/HOW TO FIND SUPPLIES/ONLY ESSENTIAL TRAFFIC PRE-STORM
 FZ100391 MORE INFO ON WEATHER CHANNEL
 FZ100638 NEWSCAST MAILERS
 FZ100645 KEEP GIVING ADVANCE NOTICES
 FZ100663 TV AND SOCIAL MEDIA AND ANNOUNCEMENTS
 FZ100745 SHELTER MAPS
 FZ100761 POST AN ONLINE PREP VIDEO/DIRECTION OF HURRICANE ARRIVAL
 FZ100784 NEWS ON TELEVISION/SIREN WARNING ALARM SOUND
 FZ100794 USE TV RADIO AND NEWSPAPERS
 FZ100810 JUST KEEP US INFORMED
 FZ100839 THROUGH CERT
 FZ100929 GIVE US MORE UPDATE ON WHATS GOING ON
 FZ101026 HAVE MORE COMMUNITY MEETINGS PRIOR TO THE SEASON
 FZ101045 EARLIER WARNING

FZ101064 KEEP THE EDUCATION COMING
 FZ101093 EARLY NOTIFICATION AS POSSIBLE
 FZ101095 INFO PAMPHLET
 FZ101124 PUBLIC AWARENESS THROUGH TV AND RADIO
 FZ101125 MORE EDUCATION BETTER SHELTERS WITH MORE AMMENITIES AND SECURITY
 FZ101153 HOLD PERIODIC PUBLIC INFORMATION SEMINARS
 FZ101170 USE MORE HAWAIIAN WORDS
 FZ101211 PLACE ADD ON TV LOCATION OF HOV WEBSITE
 FZ101218 LIST OF ESSENTIAL SUPPLIES ON REGULAR BASIS
 FZ101325 NOTIFICATION AND INFORMATION
 FZ101328 MORE OUTREACH
 FZ101691 MORE INFORMATION ABOUT FLOOD ZONES MORE CLEAR
 FZ101695 TEST DRY RUN PRACTICE
 FZ101700 REMINDERS VIA ALL MEDIA AS TO PREPAREDNESS
 FZ101720 KEEP REMINDING PEOPLE OF THE SUPPLIES NEEDED
 FZ101733 MAILED PAMPHLET/WANT A LONG LIST OR CHART TO POST ON REFRIG
 FZ101775 REMINDERS ON THAT WE NEED IN EMERGENCY KITS
 FZ101813 GUIDE OF RESOURCE FOR EMERGENCIES PREPARATION DURING AND AFTER
 FZ101885 MAUI INFORMATION REGULARLY
 FZ101914 INFO READILY AVAILABLE ON WEBSITE APPS WHERE TO BUY, WHAT TO DO
 FZ101920 PUBLICATION AND MAILING OF EMERGENCY SHELTER LOCATIONS
 FZ101991 TV RADIO INFORMATION BOOKS
 FZ102406 SEND CHECKLIST OF EMERGENCY MATERIALS
 FZ102468 USE SCHOOL CHURCHES ETC TO TEACH GENERAL READINESS
 FZ102530 DIRECTION FOR WHAT TO DO IF YOU LIVE IN A HIGH RISE
 FZ102532 UP TO DATE INFORMATION
 FZ102565 POSTERS EMAIL
 FZ102600 GIVE AS MUCH ADVANCED NOTICE AS POSSIBLE DISCOURAGE GAS LINES
 FZ102619 MORE REGULAR MONTHLY SIREN TESTING
 FZ102645 MAKE APP SHOWING WHICH AREA WILL BE AFFECTED/BE VERY SPECIFIC/USE ESRI
 FZ200015 UPDATE ACCURATE INFO
 FZ200102 BETTER INFO ON SHELTER COVERAGE AND LOCATION
 FZ200103 MAIL WITH BULLET POINTS OR CHECKLIST OF PREPARDNESS TO EVERY HOUSEHOLD
 FZ200118 EMERGENCY PREP HANDOUT
 FZ200205 CELL PHONES UPDATES TO SPECIFIC AREAS
 FZ200288 TEACH SELF SUFFICIENCY
 FZ200329 WHAT TO BRING TO SHELTER IF EVACUATED
 FZ200448 PUBLISH LOCAL INFO FOR PREPARATIONS AND SHELTERS
 FZ200462 PROVIDE HOURLY UPDATES FROM RELIABLE SOURCES
 FZ200532 GIVE IDEAS FOR FOOD CHOICES TO STORE
 FZ200680 WE NEED MORE CLASSES AND COMMUNITY MEETINGS
 FZ200705 MORE PRECISE STORM TRACKING
 FZ200728 MORE NEWS COVERAGE

FZ200818 TEXT EMERGENCY ALERTS ETC
 FZ200836 NEED TO INFORM PUBLIC SOONER LIKE GUAM DOES
 FZ200858 UPDATE ALARMING CONSTANTLY
 FZ200866 DISSEMINATE LOCATION OF PUBLIC SHELTERS
 FZ200908 MORE ACCURATE INFORMATION
 FZ200952 PROVIDE CLEAR LISTINGS OF SHELTER LOCATIONS AND UPDATES ON AVAILABILITY
 FZ201116 A YEARLY DRILL
 FZ201227 EDUCATE ON REAL CONSEQUENCES OF HURRICANE/RESIDENTS THINK IT'S A JOKE
 FZ201246 ADVANCE INFO
 FZ300042 VISUAL DEMOS ON PREPARING AND WHAT TO EXPECT
 FZ300082 CONTINUE TO KEEP THE PUBLIC UPDATED
 FZ300102 PUBLIC MAPS OF FLOOD ZONES
 FZ300103 PERIODIC EMAILS TO REMIND US TO PREPARE FOR TWO WEEKS WITH INFO
 FZ300206 KEEP US INFORMED
 FZ300487 INFORM FAMILIES ABOUT RECOMENDED CHANGES TO THEIR HOMES
 FZ300513 PROVIDE EARLY, ACCURATE WARNINGS
 FZ300551 LOCAL TV STATION FOR THIS ISLAND ONLY
 FZ300560 EARLY WARNING HELPS
 FZ300633 PROVIDE MORE INFO
 FZ300697 INFORMATION NEEDED, NOT DRAMA
 FZ300709 USE SIRENS/SYNC WITH TV
 FZ300761 WRITTEN EDUCATION MATERIALS LISTS IDEAS ON STORAGE
 FZ300789 UPDATES ON REGULAR BASIS
 FZ300941 NEED MORE INFO ON PREPARATION
 FZ300943 PROMPT WARNING
 FZ300969 JUST MORE INFORMATION
 FZ301047 BY AGE BRACKET ESTIMATE OUNCES OF WATER NEEDED DURING HOUR PERIOD
 FZ301057 SPECIFICALLY WHAT NECESSICITIES DO WE NEED IF EVACUATING
 FZ301086 ENCOURAGE PROPERTY MANAGERS TO PREPARE EDUCATE AND WARN
 FZ400121 NEED A LIST OF SHELTERS WITH ADDRESSES
 FZ400152 HAVE SMALL NEIGHBORHOOD FORUMS
 FZ400163 NEED WORKSHOPS BEFORE AN EVENT
 FZ400212 OFFICIAL PAMPHLETS
 FZ400237 LISTEN TO THE NEWS
 FZ400312 PROVIDE LIST OF RECOMMENDEDACTIONS AND SUPPLIES
 FZ400366 MAIL ME A DETAILED LIST OF NEEDED SUPPLIES
 FZ400427 PROVIDE MORE ADVANCE WARNINGS
 FZ400469 GIVE US INFO ON SUPPLIES AT A SHELTER
 FZ400577 ALLOW TV NEWS CHANNELS TO RUN MORE FREQUENTLY
 FZ400584 NEED NEIGHBORHOOD GROUPS TO ENSURE ALL IN GROUP ARE SAFE TO EVACUATE
 FZ400687 HOURLY UPDATES
 FZ400823 TRAINING FOR HOME OWNERS ASSOCIATION/BACK UP POWER PLANTS
 FZ400850 TOWN MEETINGS WORKSHOPS IN COMMUNITIES

FZ400859 HAVE HOTELS AND SCHOOLS SHELTER/PUBLISH LISTS OF SUPPLIES
 FZ400906 PROVIDE PRECISE LIST OF WHAT TO DO AND ITEMS NEEDED/CONSTANT UPDATES
 FZ400954 FACILITATE ACCESS TO EMERGENCY PREPAREDNESS SERVICES
 FZ400968 MORE ACCURATE INFORMATION
 FZ400989 SEND A CHECKLIST ON HOW TO STORE ITEMS
 FZ401012 EDUCATION AND RECOMMENDATIONS OF A PLACE TO SEEK SHELTER
 FZ401066 NEED LOCATION OF PUBLIC SHELTERS
 FZ401107 BETTER DRILLS WITH STRONG CRITIQUE
 FZ401124 TELL US HOW LONG TO PREPARE FOR NO ELECTRICITY OR WATER
 FZ401161 ATTENDED A RED CROSS TALK; NEED MORE
 FZ600043 COMPLEX TIME NOTICE
 FZ600044 EDUCATION
 FZ600061 BETTER COMMUNICATION
 FZ600166 FLIERS NEWSLETTERS FOR HURRICANE SEASON
 FZ600194 MAIL A LIST OF IDEAS THAT CAN BE DONE
 FZ600197 MORE EXACT METHOD OF DETERMING THE SEVERITY AND WHERE/WHEN IT WILL HIT
 FZ600233 TV COMMERCIALS TO INFORM US
 FZ600239 PROVIDE INFORMATION
 IL100277 MAKE A HANDBOOD FOR EMER PREPAREDNESS FOR SOME CULTURES
 IL100307 TV INTERRUPTIONS REPETITION LISTINGS OF NECESSITIES
 IL100337 PERMANENT WEBSITE WITH ALL ESSENTIAL INFO
 IL100459 INFO TO BETTER PREPARE AND GET HELP
 IL100463 ADOPT NEIGHBOR WATCH ONE PERSON IN CHARGE OF ONE HUNDRED
 IL100540 GOOD ACCURATE REPORTING AND SUGGESTIONS
 IL100612 INDICATE PRICISELY HOW WELL SHELTER WITHSTANDS CAT 5 HURRICANE AND WHY
 IL100635 COMMUNICATE BETTER
 IL100708 NEED WORKSHOPS ON HOW TO PREPARE/Q AND A PANEL ON TOPIC
 IL100712 JUST KEEP THE PUBLIC INFORMED
 IL100713 CONTINUE PUBLIC OUTREACH/MORE PSA'S/EMERGENCY PREPAREDNESS EVENTS
 IL100804 CONTINUE TO REPEAT WHAT WE NEED TO DO
 IL100805 LIST OF THINGS TO HAVE ON HAND AND PREPARATIONS
 IL100987 SEND A CHECKLIST BY MAIL FOR HOW TO PREPARE
 IL101030 PROVIDE CURRENT INFOMARTION
 IL101102 MAIL A CHECKLIST WITH DEADLINE FOR COPY AND RETURNS
 IL101142 PROMOTE PREPAREDNESS WITH PAMPLETS
 IL101147 EVACUATION PLAN
 IL101320 LEARN HOW TO CAMP LIKE THE BOY SCOUTS
 IL101338 GIVE UP TO DATE AND FREQUENT INFORMATION
 IL101419 REMIND COMMUNITIES WITH PSA' ON WHAT TO DO TO BE PREPARED
 IL101444 INFORMATION WEBSITES
 IL101445 EARLY NOTIFICATION
 IL101518 POST PDF LITERATURE ON NATIONAL WEATHER SERVICE AND HEMA WEBSITES
 IL101632 KEEPING US UPDATED

IL101662 PROVIDE MORE FREQUENT AND DETAILED INFORMATION OF DEVELOPING STORM
 IL101682 MORE PROACTIVE PSA INFO YEAR ROUND NOT ONLY DURING SEASON
 IL101689 PROVIDE INFO VIA TELEVISION EARLY
 IL101746 HOLD PREPAREDNESS FAIRS AT THE SHELTER LOCATIONS
 IL101761 GET INFORMATIONS EARLY
 IL101770 UPDATE INFO FREQUENTLY
 IL101810 BROCHURES
 IL101829 DO WE HAVE PREPAREDNESS EXPOS THAT WOULD BE COOL
 IL101896 GUIDE US WHAT WE NEED TO DO THEN FACILITATE
 IL101927 MAKING CARRYING OUT SUCH SOLUTION EASY TO DO AND SIMPLE TO UNDERSTAND
 IL101934 SET REGULAR PRESS CONFERENCE
 IL102065 PRACTICE DRILLS FOR EVACUATION
 IL102128 KEEP PUBLIC INFORMED
 IL102163 EDUCATE MOST THOSE THAT SEEKS GOVT ASSISTANT/PREPARE FOOD AND WATER
 IL102164 RELEASE INFORMATION THROUGH RADIO FIRST THEN TV
 IL102388 HURRICANE PROGRAMS
 IL102453 LIST OF HOW TO BETTER PREPARE OUR HOMES/HELP EVALUATE HOMES
 IL102474 ACCURATE INFO
 IL102488 INFORMATION FOR A LARGE CONDO SEVENTY TWO UNITS TO HELP ALL WHO STAY
 IL102539 SHARE LEARNED INFO ON HURRICANE SURVIVAL
 IL200021 HAVE AN ACCURATE RADIO BROADCAST
 IL200256 GIVE WARNINGS ASAP
 IL200512 COMMUNICATE LIST OF PUBLIC SHELTERS
 IL200517 EARLY ALERT
 IL200523 CLEAR OUTLINE PUBLIC SHELTER LOCATIONS
 IL200528 SHOW THE PUBLIC THE PLAN IN PLACE SO WE CAN FEEL MORE CONFIDENT
 IL200646 ENCOURAGE LANDLORDS
 IL200647 USE TEXT PHONES SOCIAL MEDIA LINKS PARTNERS NPOS AARP ETC
 IL200659 WARNING TIMELY RESPONSE
 IL200722 INFO INFO INFO
 IL200760 FOLLOW NOAA FORECASTING
 IL200782 MAP OF ALL SHELTERS
 IL200796 KEEP UP LATEST INFORMATION
 IL200806 MORE MESSAGES PROMOTING HOME MODIFICATIONS
 IL200933 HAVE ONE DEDICATED RADIO STATION PER COUNTY FOR EVERYONE TO LISTEN TO
 IL200935 TOO MUCH MISINFORMATION FROM TOO MANY SOURCES
 IL200945 EDUCATE CONDO BOARDS AND OWNERS AS TO HOW TO MAKE BUILDING SAFE
 IL200946 CONTINUING EDUCATION
 IL201002 WHAT GOES IN THE EMERGENCY KIT? DO WE NEED BEDDING/FOOD IN SHELTERS
 IL201047 TEXT
 IL201051 WHERE IS OUR PAIA COMMUNITY SHELTER
 IL201112 MAIL HURRICANE PREPAREDNESS BOOKLET
 IL201154 TV RADIO NEWSPAPER GOVENOR NEEDS TO BE THE ONE

IL300021 NOTICE WHERE IS OUR PUBLIC SHELTER
 IL300025 WEBSITE
 IL300048 BE MORE SPECIFIC ABOUT REGIONAL INFO HILO IS NOT KONA
 IL300069 YES BETTER RADIO COMMUNICATION
 IL300134 BIG ISLAND NEEDS INFO FAIRS LIKE OAHU WHERE SUPPLIES ARE GIVEN OUT
 IL300188 SHARE INFORMATION ON WHAT TO EXPECT IF YOU USE A SHELTER
 IL300505 MORE EDUCATION
 IL300549 PROVIDE LOCATION OF EVACUATION CENTERS
 IL300654 KEEP UPDATED INFO FLOWING
 IL300695 FREQUENT UPDATES ON STORM STATUS
 IL300743 FREQUENT WEATHER UPDATES ON TV RADIO NEIGHBORHOOD CHECKPOINTS
 IL300981 WATCH YOU TUBE THE HUSBAND WORKS FOR COUNTY
 IL301060 BETTER COMMUNICATION
 IL301142 A LIST TO GO TO STORE WITH PRICES FOR A FAMILY 4-6 WITH PRICE POINTS
 IL301283 CONTINUE TO GIVE UPDATED INFORMATION GRAT JOB
 IL301300 MORE SCIENTIFIC DETAILS ON THE STORM
 IL301345 MORE SPECIFIC LOCAL NEWS
 IL301481 NEWS UPDATES
 IL301494 COMMUNICATE
 IL400330 ACCURATE NOTIFICATION PRIOR TO EVENT
 IL400458 BETTER WELL PREPARED
 IL400459 TELL US HOW MANY DAYS SUPPLIES WE NEED FOR EACH PERSON
 IL400475 STRESS IMPORTANCE OF ENOUGH MEDS/BABY SUPPLIES/EXTRA CASH/GAS TANKS
 IL400707 PROVIDE INFORMATION ON WHERE TO GET CABLE ANCHORS
 IL400745 UP TO DATE FLOOD ZONES AND MAPS/ALTERNATIVE EVACUATION ROUTES
 IL400762 ALWAYS HAVE CURRENT INFORMATION ON WEATHER
 IL400812 SPECIFIC LISTS IN MAILERS AND TOP 5 ITEMS TO HAVE DURING HURRICANE SEASON
 IL400975 MAIL INFO AND SUGGESTIONS
 IL401041 PAY FOR COMPLETED SURVEYS
 IL401048 DEDICATED TV LOCAL CHANNEL ON LOCATION OF SHELTERS DURING STORM
 IL401059 FASTER WARNING
 IL401117 MORE INFO TO NEW AREAS/NEED INFO WITH CONTACTS ON SHELTER LOCATIONS
 IL401173 WORK WITH CONDOS TO MAKE MORE SAFE
 IL500063 COMMUNITY DRILLS, DOOR TO DOOR FOR OLD PEOPLE
 IL500157 PROVDE PREPARATION TRAINING AND MATERIALS
 IL500207 JUST FEED US INFORMATION
 IL500263 RELIABLE FORCASTING ABOUT WEATHER CONDITIONS
 IL500264 ATTENDING SENIOR MEETINGS; WE NEED BETTER INFO
 IL600029 STAY CONNECTED RADIO TV
 IL600070 GENTLY STIGMATIZE UNPREPAREDNESS
 IL600096 LISTEN FOR MORE INFORMATION ON TV RADIO
 IL600191 BETTER TRAINING AND BE ON THE SAME PAGE
 IL600242 TAKES ME 2 DAYS TO BOARD UP DOORS/WINDOWS; IS THERE A BETTER WAY

IL600289 WE NEED A LOCAL ORGANIZATION ON OUR BLOCK
 IL600398 WORK CLOSELY W/LOCAL NEWS STATIONS/LAST HURRICAN JUSTIN CRUZ WAS BEST
 IL200613 STAY INFORMED VIA PHONE RADIO TEXT IF ELECTRIC IS ON
 FZ201033 DEVELOP APARTMENT/CONDO PREPAREDNESS PLANS FOR APT/CONDO TO ADOPT
 FZ201127 PUBLISH SPECIFIC LIST OF PLANS AND RECOMMENDATIONS
 FZ400252 TRAIN GAS STATIONS TO MANAGE LONG LINES/TEACH VISITORS TO BE POLITE
HELP US HARDEN OUR HOMES
 FZ100084 HELP WITH NEW WINDOWS FOR STRENGTH AND HURRICANE CLIPS
 FZ100577 VOLUNTARY /FREE HURRICANE INSPECTIONS OF HOUSES
 FZ101231 INSPECT HOME AND RECOMMEND CHANGES
 FZ101364 CHECK OUT MY HOUSE LET ME KNOW IF EVERYTHING IS OK
 FZ200039 TRAIN PROMOTE CONTRACTORS TO INSTALL HURRICANE CLIPS ETC
 FZ200343 REQUIRE RENTALS TO BE MODIFIED FOR SAFETY
 FZ200352 LEGALLY REQUIRE IMPROVEMENTS TO MAKE UNITS MORE HURRICANE PROOF
 FZ200501 EXPLAIN HURRICANE CLIPS APPLICATION
 FZ200578 OFFER CREWS TO HELP INSTALLATION AND SUBSIDIZED RATES
 FZ200597 HAVE ORGANIZATIONS HELP INSTALL HURRICANE CLIPS ETC
 FZ200746 BETTER ACCESS TO HURRICANE CLIPS AND PLYWOOD IN WEST MAUI
 FZ201230 MANDATE THAT ALL CONTSTRUCTION SITES SECURE BLDG MATERIALS FROM FLYING
 FZ300766 MORE SPECIFIC INFO FOR TYPES OF DWELLINGS IN DIFFERENT LOCATIONS IN HAWAII
 FZ401051 PROVIDE WINDOW STORM SHUTTERS
 EVALUATE OUR HOME AS TO ITS HURRICANE TOLERANCE MAYBE WE CAN BE
 FZ401143 SHELTER
 FZ600022 COME AND INSPECT AND TELL US WHAT CAN BE DONE
 FZ600049 HAVE ON SITE HOME EVALUATIONS THAT ARE FREE FOR HURRICANE PREPAREDNESS
 IL100036 PROGRAM TO ANSWER QUESTIONS/INSPECT HOMES REGARDING DWELLING SAFETY
 IL100215 HAVE EVERY HOUSE BUILT STRONGER BY ADDING STRONGER WALLS AND ROOFS
 IL100237 INSPECT HOMES TO DETERMINE VULNERABILITY
 IL100254 KEEP INFORMING US OF HOW TO PREPARE OUR HOUSES CLIPS SHUTTERS ETC
 IL100507 WITH GLASS BREAKAGE HOW TO PREPARE WINDOWS
 IL100627 PERIODICALLY INSPECT HOMES/GIVE ADVICE
 IL100640 ERECT WALL ON STATE EASEMENT TO PROTECT OUR HOME FROM FLOODING
 IL100759 GIVE TAX CREDITS FOR EMERGENCY PREPAREDNESS ACTIVITIES
 IL101029 OUR CONDO ASSN PROHIBITS NAIL HOLES IN WALLS/NEED FLEXIBILITY
 IL101130 OFFER ASSISTANCE FOR BOARDING WINDOWS CLIPS
 IL101284 SAFE SHELTER BRICK INCLOSURE
 IL101312 PROVIDE HURRICANE ASSESSMENTS FOR HOUSES
 IL101690 MORE CONVERSATION ABOUT CONSTRUCTION
 IL101881 PROVIDE SHUTTERS FOR WINDOWS INSPECT ROOFING
 IL101918 PROVIDE SURVIVAL KITS HOME INSPECTIONS WITH RECOMMENDATIONS
 IL102494 AFTER A HURRICANE INSPECTION DONE
 IL200058 PROVIDE HOME ASSESSMENT
 IL200489 TRAINING ON BOARDING UP WINDOWS

IL201054 PROVIDE SANDBAGS AND PLYWOOD
 IL201201 PROVIDE MATERIALS FOR MAKING SANDBAGS
 IL201215 SEND OUT A CONTRACTOR TO LOOK AT MY ROOF SIDING AND ADVISE
 IL201241 POSTS ON YOUTUBE ON HOW TO PREPARE MY HOME
 IL201290 NEED SOMEONE WILL REPAIR WASHED OUT DRIVEWAY/I LIVE ALONE
 IL300037 HELP INSTALLING HURRICANE CLIPS
 IL300080 HELP PEOPLE WHO WANT TO SHELTER IN PLACE/SHELTERS ARE TOO CROWDED
 IL300214 CHECK OUR HOUSES
 IL300236 DISCOUNT EMERGENCY AND EQUIPMENT AND SUPPLIES
 IL300341 COUNTRY HOUSE EVALUATIONS
 IL300362 HOME INSPECTIONS TO RETROFIT AND MAKE HOME MORE HURRICANE PROOF
 IL300374 TUTORIALS ON HOW TO PROTECT HOME WINDOWS
 IL300591 PROVIDE HURRICANE CLIPS
 IL301068 CARRY HEAVY BAGS AND THINGS INTO MY HOUSE UPSTAIRS
 IL301199 CONCRETE SINGLE WALL WOOD STRUCTURES
 IL301213 ASSESSMENT WITH HOUSE STRUCTURAL PREPAREDNESS
 IL301355 PROVIDE SOME OF THE MATERIALS
 IL400054 HURRICANE CLIPS AND TIE DOWNS
 IL400137 HAVE SOMEONE WITH EPXERIENCE COME OVER AND CHECK MY HOME
 IL400213 RECOMMEND PROFESSIONALS TO DO HOME IMPROVEMENTS
 IL401081 ASSESS OUR HOMES AND TELL US WHAT WE SHOULD DO TO PREPARE
 IL600203 INSPECT HOUSE AND MAKE RECOMMENDATIONS
 IL600294 IF REQUESTED TO COME EVALUATE POSSIBLE CONDITIONS
 FZ101247 MORE INFO ABOUT HURRICANE CLIPS/PROTECTION FOR WINDOWS
 FZ101448 HELP ADDING SHUTTERS TO HOMES/CLEAN COMMUNITY DRAINS MORE OFTEN
 FZ100130 TAX CREDITS
 FZ101018 HELP US BE MORE PREPARED BY AFFORDABLE PREP
 FZ101886 INCENTIVES FOR EMERGENCY POWER SUPPLY
 FZ102060 TAX BRECKS FOR EMERGENCY SUPPLIES MANDATE BUILDING CODES
 FZ200771 DO HOME ASSESSMENTS TAX INCENTIVES
 FZ401270 WORKSHOPS ON TAX INCENTIVES
 IL101189 HELP MAKE HAWAII HOMES SAFER/PROVIDE TAX CREDITS, NO INTEREST LOANS ETC
 IL300120 TAX CREDITS
 FZ102516 SUBSIDIZE HURRICANE SHUTTERS
 FZ600057 ALLOW TO REBUILD WITHOUT SMA PROCESS
 IL400195 WATER CATCHMENT OR GENERATORS REBATE

PROVIDE EMERGENCY KITS

FZ100377 HAVE COMMUNITY ORG PROVIDE STARTUP KITS FOR FAMILIES
 FZ100702 PROVIDE MORE COMPLETE KITS
 FZ101289 SELL PREPACKED KITS DRY FOOD ETC
 FZ101893 SEND OUT EMERGENCY KITS
 FZ200387 SELL HURRICANE PREPARATION KITS TO MAKE IT EASIER AND MORE ACCESSIBLE
 FZ200665 GIVE FREE EMERGENCY KITS

FZ201032 PROVIDE READY TO EAT MEALS TO RESIDENTS FOR EMERGENCIES
 FZ600249 SUPPLY FAMILIES WITH EMERGENCY KITS
 IL100023 STOCK SUPPLIES ADEQUATELY DISTRIBUTE KITS WITH SUPPLIES
 IL100578 HURRICANE KIT
 IL200161 SUPPLY FREE SUPPLIES SUCH AS MRES WATER AND MEDICAL SUPPLIES
 IL200678 SUPPLY SOME OF THE NECESSARY ITEMS
 IL201035 PROVIDE SUPPLIES
 IL300867 MAKE TWO WEEK PACK FOR EMERGENCY SELL IN STORES
 IL401197 SUPPLY KITS FOR LOW INCOME FOLKS
 IL600327 ASSEMBLE KITS EN MASS AND SELL TO PUBLIC/PROVIDE TO MOST NEEDY
ENSURE MORE RELIABLE COMMUNICATION/ELECTRICAL SYSTEMS
 FZ100080 TWO WAY COMMUNICATIONS WHEN NO ELECTRICITY
 FZ100465 A WAY TO COMMUNICATE IF CELLPHONE TOWERS GO DOWN
 FZ100962 USE SIRENS; DONT RELY ON TELEPHONE APPS
 FZ101558 REHIRE TOBY CLAIRMONT MAKE THE SIRENS LOUDER
 FZ101915 MAINTAIN INFRASTRUCTURE ESPECIALLY LINES OF COMMUNICATION
 FZ102554 PUT SIREN WHERE CAN HEAR FROM MY NEIGHBORHOOD
 FZ102679 CANNOT HEAR IF IN HOAKALEI EWA BEACH/ NEED MORE CELL TOWERS IN HOAKALEI
 FZ102719 BETTER RADIO
 FZ201097 RESERVE 911 FOR INTERNET RELIABILITY
 FZ400201 RAMP UP 911 CALL CENTERS
 FZ400298 PREPARE TO HAVE NEIGHBOR ISLAND RADIO STATIONS GIVE INFO
 FZ400333 ONGOING COMMUNICATION VIA MULTIPLE SOURCES
 FZ400433 SECURE MORE SATELLITE PHONES
 FZ400534 BE PREPARED TO CLEAR ROAD DEBRIS/POWER CO. NEEDS TO REINFORCE LINE
 FZ401167 IMPROVE RADIO COVERAGE
 FZ600165 ON MOLOKAI NO ELECTRICITY/NEED TO HAVE A MANUAL WAY TO CONTACT PEOPLE
 IL100545 ASSIST PUBLIC UTILITIES WITH EXPEDITING ELECTRIC WATER AND CABLE REPAIRS
 IL101026 GET ELECTRICITY ON ASAP
 IL101527 UPGRADE SYSTEMS IN PLACE AND CHECK SYSTEM OFTEN
 IL101544 FIGURE OUT HOW TO HAVE EMERGENCY POWER ASAP
 IL500313 WE NEED BETTER COMMUNICATION IF POWER GOES OUT
WE NEED COMPETENT EMERGENCY PEOPLE/NO MORE FALSE ALARMS
 FZ100122 FIRE MOST OF THEM AND REHIRE SOMEONE WHO KNOWS WHAT THEY ARE DOING
 FZ100587 DONT OVERSTATE DONT CRY WOLF TOO OFTEN
 FZ100782 USE NATIONAL TV NOT LOCAL
 FZ100917 STOP OVERREACTING IT IS GOING TO BE FINE
 FZ101391 GIVE ACCURATE INFO
 FZ101864 MAKE SURE EMPLOYEES ARE COMPETENT
 FZ101926 STOP MAKING BAD FORECASTS
 FZ101952 FIND THEIR TWITTER ACCOUNT PASSWORD
 FZ102570 MOST UPDATED FORECASTING SYSTEMS AND TRAINED PEOPLE TO USE THEM
 FZ102744 REMEMBER TWITTER PASSWORDS

FZ200159 DONT SEND OUT ANY FALSE ALARMS
 FZ200443 DO YOUR JOB PROPERLY/BE ACCOUNTABLE LIKE THE REST OF US
 FZ200898 BE BETTER PREPARED THEMSELVES
 FZ201197 QUIT FALSE ALARMS
 FZ300742 REALIZE THAT HURRICANES AFFECT EAST AND WEST BIG ISLAND DIFFERENTLY
 FZ300765 STOP SCARING PEOPLE WITH OVER DRAMATIC REPORTS
 FZ300885 BE PREPARED THEMSELVES BEFORE HELPING OTHERS
 IL101250 BE ACCURATE WITH FORECAST/NO FALSE WARNING/CAUSES COMPLACENCY
 IL101733 STOP CRYING WOLF WITH SIRENS TWICE A WEEK
 IL102123 STOP ALL THE WARNINGS ON RADIO/TV. IT IS LIKE CRYING WOLF TOO MANY TIMES.
 IL102298 FIRE THE IDIOTS
 IL200345 STOP CRYING WOLF AND GIVE SOBER, WELL REASONED ADVICE
 IL200426 BETTER PREPARED STATE COUNTY OFFICIAL AND OFFICES
 IL200515 NON INFLAMMATORY NEWS
 IL200840 CELL PHONE NOTIFICATION BUT NO FALSE ALARMS
 IL300582 TOO MUCH HYPE DESENSITIZES THE PUBLIC TO REAL DANGER/DOESN'T HELP
 IL400748 ACCOUNTABILITY FOR BAD MANAGEMENT PRACTICES
 IL400911 MEDIA CAUSES PANIC/OVER EMPHASIS/TAMP IT DOWN

MANAGE TRAFFIC BETTER/MORE BUS SERVICE TO THE SHELTERS

FZ101335 TRANSPORTATION
 FZ101565 HELP CLEAR THE ROADS FROM TRAFFIC DURING EMERGENCIES
 FZ101749 TRANSPORTATION TO SAFE SHELTER IN ALA MOANA WAIKIKI AREA
 FZ102723 NEED BETTER TRAFFIC CONTROL
 FZ200528 TAKE ALL RENTAL CARS OFF THE ROAD/USE BUSES
 FZ300872 MORE EVACUATING ROUTES
 FZ400256 PROVIDE SHUTTLE BUSES TO SHELTERS
 FZ600101 MAKE SURE ROADS REMAIN OPEN AND RIVERS CLEANED
 IL102262 IMPROVE ROADS ALONG EVACUATION ROUTES
 IL201281 REPAIRS ROADS/MANAGE STORM SEWER/DECREASE ABOVE GROUND POWER LINES
 IL300130 OPENALTERNATE ROUTES
 IL300665 MORE EXITS
 IL300690 MORE ESCAPE ROUTES AND ROADS
 IL400067 FIX OUR STREET HERE IN OUR GHETTO
 IL400518 MAKE SURE TRAFFIC FLOWS
 IL401063 REPAIR THE DAMN ROADS
 IL401231 TRANSPORTATION PUBLIC TRANSPORTATION TO SHELTERS
 IL600155 BETTER ACCESS TO REMOTE HOME
 IL600188 PROVIDE TRANSPORTATION
 FZ301083 KEEP ROADS OPEN
 FZ600173 BETTER ACCESS TO REMOTE HOMES

DO A BETTER JOB PREPARING PUBLIC INFRASTRUCTURE FOR STORMS

FZ100192 BUILD EVAC ROADS

FZ100193 KEEP REFUSE CENTERS OPEN LONGER TO CLEAN HAZARDS BEFORE STORM
 FZ101956 CLEAR DRAINAGE/EXPAND SHELTERS/START PLANNING FOR CLIMATE CHANGE
 FZ300385 KEEP STREAMS CLEAR OF DEBRIS/MAINTAIN ROADS/CHECK ON BUILDINGS
 FZ600153 CLEAN STREAMS PUT EQUIPMENT AT LOCATIONS FLOOD
 FZ600154 CLEAN STREAMS ON EAST END OF MOLOKAI THEY ALWAYS FLOOD
 FZ600176 MAKE SURE SIGNS ARE WORKING SOMETIMES THEY DONT
 IL100806 KEEP DRAINS CLEAR OF DEBRIS
 IL100840 HELP THE NEEDIEST PEOPLE GET HELP IF DISASTER STRIKES
 IL101752 KEEP STORM DRAINS CLEAN
 IL200836 CLEAR STREAMS AND STORM DRAINS PRIOR TO STORMS
 IL300508 KEEP CANALS & RIVERS CLEAR
 IL301197 KEEP RIVERS NEAR HOMES CLEAR OF DEBRIS
 IL401248 DAYS AHEAD PROVIDE SAND BAGS OR EROSION CONTROL BAGS
 FZ200125 BAND AN EMERGENCY CREW BEFORE HURRICANE HIT
 FZ600025 SIRENS DONT WORK NEED FIXING
 IL100158 WORKING SIREN SYSTEM
 IL100624 MAKE WARNING HORN LOUDER; CAN NOT HEAR WHEN INSIDE MY HOME
 IL101517 VOICE OVER LOUD SPEAKER NOT JUST SIRENS
 IL101894 ADD MORE SIRENS
 IL200539 INSTALL MORE SIRENS WE CANNOT HEAR SIREN WHERE WE ARE
 IL300883 PUT A SIREN WHERE THE COMMUNITY CAN HEAR IT
 IL400066 INSTALL WARNING SIREN IN WAIPOULI RD AREA KAUAI
 IL600283 PUT SIREN IN HOOLEHUA MOLOKAI
 FZ102651 DEDICATED RESILIENCE FUNDING/\$5 A MONTH FROM HECO BWS CCH BILLS
 FZ101539 PROVIDE PORTABLE GENERATORS
 FZ101642 NEED RESERVE ENERGY ELECTRICITY
 FZ400001 REQUISITION HEAVY EQUIPMENT
 FZ400814 PUT UTILITIES UNDERGROUND/REINFORCED WATER TANKS
 FZ401084 UNDERGROUND UTILITIES
 IL101502 HAVE HELCO ALLOW LEASED SOLAR TO BYPASS TO GET ELECTRIC
 FZ200295 POWER BACK ON QUICKER
 IL400154 KAUAI NEEDS MORE WATER TANKS/GET UTILITIES TO BURY POWER LINES
 IL401102 HAVE ROAD CLEAN UP TRUCK AND CREWS READY BEFORE TROUBLE
 IL401167 UNDERGROUND UTILITIES
 IL400240 EVERY WATER TANK HAVE A BACK UP PUMP
 IL600208 SUPPLY EMERGENCY GENERATORS
 IL600280 REQUIRE CABLE COMPANY TO HAVE BACKUP POWER HERE

***SHELTER CONCERNS: MORE AND SAFER SHELTERS/DEAL WITH PETS/STOCK
 SHELTERS WITH MORE SUPPLIES/ENSURE SAFETY***

FZ100510 FIGURE OUT PETS WITHIN SHELTERS
 FZ100630 PREPARE SHELTERS WITH SUPPLIES
 FZ101214 PUBLIC SHELTER WITH PETS
 FZ101425 MORE MANPOWER

FZ102015 BUILD MORE SHELTERS
 FZ102578 OPEN MORE ROBUST CLASSROOMS/CAFETERIA AND GYM ROOFS PRONE TO FAIL
 FZ102611 ENSURE ALL EMERGENCY SHELTERS ARE FULLY STOCK WITH BASIC ESSENTIALS
 FZ102757 HAVE ENOUGH PARKING AT SHELTERS
 FZ200098 START PREPARING GOOD EMERGENCY SHELTER AREAS
 FZ200356 MORE SHELERS
 FZ200893 NO SHELTERS IN HAIKU/ARE SMALL SHOPPING MALLS SAFE?
 FZ200930 MAKE BETTER ACCESS TO WATER AND PROPANE TO COOK
 FZ300266 MORE SHELTERS ARE NEEDED
 FZ300773 PROVIDE GOOD SHELTER IF POSSIBLE AND ENOUGH WARNING TIME TO EVERYONE
 FZ300803 IDENTIFY SAFER BLDG/GET WALMART AND TARGET, ETC TO BE SHELTERS
 FZ301069 KEEP WINE AT ALL SHELTERS
 FZ400031 STORE EMERGENCY DRY FOOD
 FZ400039 HAVE SHELTERS BUILT FOR CATEGORY FIVE STORMS
 FZ400063 SUPPLY WATER CONTAINERS AND EMERGENCY LIGHTS
 FZ400078 CLEAR AND CONFIRMED SHELTER LOCATIONS
 FZ400307 PROVIDE ESSENTIALS
 FZ400542 NEED WATER AVAILABILITY
 FZ400817 ISSUE WEATHER RADIOS TO HOUSEHOLDS
 FZ400828 PROVIDE GENERATORS AND WATER CATCHMENT SYSTEMS
 FZ400844 PROVIDE MORE PUBLIC SHELTER SPACE
 FZ400866 CREATE HARDENED FACILITY ON NORTH SHORE
 FZ400916 A SHELTER IN KILAUEA THAT IS TRULY STRONG AND FRIENDLY
 FZ600104 BETTER SHELTERS
 FZ600191 BE PREPARED TO PROVIDE FOOD WATER BED AND MEDICAL CARE
 FZ600212 SHELTER ON EAST SIDE OF MOLOKAI ISLAND
 FZ600236 HAVE DRINKING WATER TANKS
 IL100133 I DO NOT THINK THIS ISLAND CAN ACCOMODTE EVERY EVACUEE NO WHERE TO GO
 IL100323 STORE WATER FOR EMERGENCIES
 IL100619 HAVE MORE/STRONGER SHELTERS AVAILABLE
 IL100776 ALLOW PETS
 IL100824 PROVIDE SOME AID IN CASE OF HURRICANE
 IL101042 MAKE MORE SHELTERS
 IL101688 BUILD STRONG BUILDINGS AND SHELTERS COMMUNICATE BETTER
 IL101736 WE NEED MORE MODERN SHELTERS
 IL101838 MORE SHELTERS AVAILABLE SPECIFICALLY ONES NEAR HOME THAT IS PET FRIENDLY
 IL101946 UNDERGROUND SHELTERS
 IL102242 OPEN SHELTERS EARLY MAKE SURE TO HAVE LOTS OF WATER
 IL102458 DESIGNATE PUBLIC SHELTERS IN COMMUNITIES
 IL102517 WATER WAGON ON MAIN STREETS
 IL200144 ASSIGN SHELTERS
 IL200247 HAVE SHELTER SUPPLIES/STAFF SHELTERS WITH PEOPLE WHO KNOW WHAT TO DO
 IL200277 HAVE PRE POSITIONED SUPPLYS FOOD WATER

IL200589 MORE SHELTERS/BETTER COMMUNICATION/REGULAR EDUCATION MEETINGS
 IL200675 PROVIDE WATER JUGS
 IL200716 PROVIDE A HUB TO PURCHASE EMERGENCY SUPPLIES AND GET INFO AND ADVICE
 IL200740 EQUIP SHELTERS WITH FOOD & WATER/MAKING SURE PEOPLE KNOW TO EVACUATE
 IL200839 MAKE SURE STORES HAVE MORE STOCK IN WAREHOUSES FOR BEFORE AND AFTER
 IL200866 OPEN THE COMMUNITY CENTERS
 IL200896 MORE SHELTERS THAT ACCOMMODATE PETS/I WILL NEVER ABANDON MY PETS
 IL300399 IMMEDIATELY MAKE SUPPLIES AVAILABLE AFTER HURRICANES
 IL300515 STOCK SHELTERS
 IL300557 BE HERE QUICK
 IL300688 BUILD DECENT HARD SHELTERS
 IL300886 MORE PUBLIC SHELTERS
 IL400401 STOCK UP ON SUPPLIES AND DISTRIBUTE
 IL400450 ID SHELTER LOCATIONS/STOCK THEM WITH SUPPLIES YEAR ROUND
 IL400577 OPEN SHELTERS EARLY/HAVE WATER, TOILET, FOOD
 IL400672 KEEP MONEY AND SUPPLIES SPECIFICALLY FOR THESE EMERGENCIES
 IL400684 HELP SUPPLY WATER, FOOD, WATER CATCHMENT
 IL400887 PROVIDE HURRICANE SAFE SHELTERS
 IL400933 CONTINUE TO EXPAND PET FRIENDLY SHELTERS
 IL500028 PLEASE REPAIR OUR SHELTER AT LANAI HIGH AND ELEMENTARY SCHOOL GYM
 IL500106 PROVIDE MORE PUBLIC SHELTERS
 IL600043 BUILD UNDERGROUND SHELTER
 IL600164 LOCAL FIRST RESPONDERS SHOULD BE PRESENT IN SETTLEMENT
 IL600324 WATER AND FOOD
 IL600341 WE NEED BETTER SHELTER FACILITIES
 IL600391 ADD A SHELTER TO WEST MOLOKAI
 FZ101861 NO HOMELESS IN PUBLIC SHELTERS

MISCELLANEOUS/OTHER IDEAS

FZ200024 KEEP UP THE GOOD WORK
 FZ300182 OUR CIVIL DEFENSE AND EMERGENCY MANAGEMENT ARE TERRIFIC
 FZ600011 INFO IS AVAILABLE PAY ATTENTION USE COMMON SENSE
 FZ600059 PRAY
 FZ600098 WITH ALL PAST HISTORIES PLEASE LEARN FROM IT TEACH YOURSELVES
 IL100020 GOOD JOB THIS PAST HURRICANE SEASON BY KEEPING IS UPDATED ON STORMS
 IL101295 MOSTLY THEY ARE DOING THEIR BEST
 IL101643 DIVERT THE HURRICANE
 IL101762 IN HAWAII THEY ALWAYS SAY ERR ON THE SAFE SIDE SO THEY GET REELECTED
 IL201204 KNOW WE ARE PREPARED TO HELP OTHERS WHO NEED IT
 IL201217 I TOOK PERSONAL RESPONSIBILITY LONG AGO
 IL300851 THEY ARE DOING A GOOD JOB BEST THEY CAN
 IL400114 HELP YOURSELF
 IL400586 DONT PANIC
 IL400796 WE HAVE FAITH IN OUR LOCAL EMERGENCY AUTHORITIES

IL400857 PRAY
 IL600139 LEARN TO BE HAPPY WITHOUT TV AND COMPUTER
 FZ600013 POLICE PATROLS OF NEIGHBORHOODS
 IL200599 CONTROL PRICE GAUGING AND HOARDING
 IL300523 \$ PENALTY FOR LOOTERS AND GOUGERS/SECURITY FOR EMERGENCY ITEMS
 FZ200052 ENFORCE CONDO SAFETY
 FZ300894 LIMIT AND MONITOR RETAIL PRICES/BOTTLED WATER WENT TO \$20/CASE AT LONGS
 FZ100365 DISCOUNTS ON HONDA GENERATORS
 FZ200145 HAVE MORE THAN ADEQUATE FUNDING
 FZ200263 EXTRA MONEY TO BUY SUPPLIES
 FZ200335 BIGGER BUDGET
 IL101439 JUST GIVE US ENOUGH TIME AND FINANCIAL SUPPORT OR HELP
 IL400935 OFFER BULK BUYING OF LONG TERM FOOD SUPPLIES
 IL500204 WATER & FOODS PRICES TO HIGH ON LANAI/BRING THEM DOWN
 FZ102625 HAVE PEOPLE GET WATER AND FOOD ON CERTAIN DAYS ACCORDING TO BIRTH MO.
 FZ100721 I DID MY GRADUATE THESIS ON THIS PLEASE GOOGLE DIATOMETICA
 FZ100801 MY DAUGHTER HELPS ME
 FZ101056 PUT SOMEONE IN CHARGE OF ALL AGENCIES
 FZ101167 DONT RAID OR TOUCH THE FUNDS
 FZ101217 RELIABLE GOVERNMENT/RELIABLE STATE LEGISLATURE
 FZ101224 ADDRESS CLIMATE CHANGE
 FZ200384 ASSURE STORES ARE ADEQUATELY STOCKED DURING HURRICANE SEASON
 FZ200482 GIVE US TIME OFF TO PREPARE
 FZ200821 PUT A HOSPITAL IN WEST MAUI
 FZ300202 STUDY BURNING MAN FESTIVAL
 FZ300458 BRING BACK BLOCK WARDENS
 FZ400259 LIMIT TREE HEIGHTS
 IL100448 PORTABLE GENERATOR LOAN BORROW OR SELL
 IL100470 A LOT OF TREES AROUND MY HOUSE IF THE CITY CAN CUT DOWN
 IL101386 ALONG WAIMANO HOME ROAD TRIM TREES ALONG UTILITY LINES
 IL200930 MIK
 IL300206 HAVE EMPLOYERS LET YOU GO STAY HOME
 IL300906 EVERYONE SHOULD GET GENERATOR/GAS STOVE
 IL300911 CUT DOWN ALBEZIAS
 IL400532 HELP THE HOMELESS BE SAFE
 IL401069 HELP THOSE WITH SPECIAL NEEDS/ASSIGN HELPERS
 IL500222 MAYBE A GENERATOR
 IL500280 HELP ME WITH MEDICATION AT BEDTIME
 FZ200133 PATROLE EACH TOWN TO SEE WHO NEEDS HELP

APPENDIX E: Q47: IDEAS REGARDING SHELTERING HAWAII'S FAMILIES

Q47: FINALLY, DO YOU HAVE ANY IDEAS YOU WOULD LIKE TO SHARE REGARDING SHELTERING HAWAII'S FAMILIES? ALL IDEAS ARE WELCOME.

(Like Q46, Q47 was added to the survey to allow respondents to add thoughts and ideas not specific to the questions within the survey. A little less than 20% of the respondents provided comments in response to this question. They are presented within, edited only for grammar. They are also categorized by common thread of thought. They were never meant to be statistically analyzed but rather to provide the clients with some anecdotal thoughts.)

Q 47: Finally, do you have any ideas you would like to share regarding sheltering Hawai'i's families?

<i>CATEGORY OF COMMENT</i>	<i>%</i>
Develop a website with real time shelter availability and capacity; also where people can list home space to accommodate evacuees.	3
Stop overkill on TV/Radio -- it creates unneeded panic	2
Do everything you can to shelter pets; it's important	4
Build/Harden more shelters; be creative	26
Stock shelters with more supplies and assistance	7
Ensure that the shelters are safe; especially as concerns the homeless	5
Shelter the homeless; they need help	2
Pay more attention to seniors	2
Provide more education/workshops/literature	13
Help residents shelter in place at home or in their workplace	12
Manage traffic better/more bus service to the shelters	3
Miscellaneous/Other ideas	22
<i>Total Comments</i>	<i>456</i>

SPECIFIC COMMENTS:

DEVELOP A WEBSITE WITH REAL TIME SHELTER AVAILABILITY AND CAPACITY; ALSO WHERE PEOPLE CAN LIST HOME SPACE TO ACCOMMODATE EVACUEES

- FZ102645 MAKE AN APP ON SHELTERS LOCATIONS/SERVICES/STAFFING/CAPACITY IN REAL TIME
- FZ200384 ASK IF HOMEOWNERS HAVE ROOMS TO HOUSE SHELTER SEEKERS.
- FZ200952 A DEDICATED BROADCAST/WEBSITE FOR CURRENT CONDITIONS BY NEIGHBORHOOD
- FZ300103 STAND UP A WEBSITE WHERE PEOPLE CAN OFFER SHELTER IN THEIR HOMES
- FZ400167 PHOTOS OF SHELTERS ON WEBSITE, NEED COMMUNICATION AT SHELTERS
- IL100337 HAVE A HURRICANE PREPAREDNESS WEBSITE
- IL102034 PROVIDE SHELTER LOCATIONS BEFORE DISASTER, UPDATE CAPACITY INFO REGULARLY
- IL200058 CREATE A LIST OF HOMES/HOTELS WILLING TO TAKE FAMILIES (WITH PETS) IF EVACUATED.
- IL201035 SOCIAL MEDIA UPDATES
- IL300021 GOOD NEIGHBORHOOD COMMUNICATION
- IL300028 WEBSITE OF PREPARATION INFO. MUST BE WELL KNOWN/EASY TO ACCESS
- IL301494 COMMUNICATE
- IL400450 COMMUNICATE, COMMUNICATE, COMMUNICATE!!!
- IL400684 I WOULD HELP PEOPLE BY OFFERING MY HOME

STOP OVERKILL ON TV/RADIO -- IT CREATES UNNEEDED PANIC

- FZ100127 STOP TELEVISION FROM PANIC AND SHOW BOATING -- CAUSING MENTAL FATIGUE
- FZ100155 BE REALISTIC GIVEN HISTORICAL EXPERIENCE.
- FZ102464 STOP OVERREACTING TO EVERY LITTLE STORM. MAYBE WE'LL TAKE REAL MORE SERIOUSLY.
- FZ200746 DON'T SOUND ALARMS TO SIGNIFY SHELTERS OPENING.
- FZ600030 BE SURE WE NEVER HAVE ANOTHER FALSE ALARM!!
- IL102541 BE EXTREMELY HONEST AHEAD OF THE DANGER; DON'T BE AN ALARMIST; CAUSES PANIC
- IL200203 DON'T OVERREACT. PEOPLE ARE ABLE TO ADJUST.
- IL200703 NO FALSE ALARMS

DO EVERYTHING YOU CAN TO SHELTER PETS; IT'S IMPORTANT

- FZ100205 THE PETS ISSUE IS A MAJOR ONE FOR US
- FZ100316 HAVE A PLAN HOW TO SHELTER HOMELESS & THEIR PETS IN HURRICANE WEATHER TOO
- FZ100784 PEACEFUL AND CLEAN ENVIRONMENT. PLACE TO KEEP THE PETS.
- FZ102611 HAVE A "DROP-OFF" PETS ONLY SHELTER
- FZ200159 ALWAYS TAKE THEIR PETS IF THEY DESIRE THAT
- FZ200665 WELCOME ALL PEOPLE AND PETS TO ALL SHELTERS
- FZ200821 WEST MAUI NEEDS A SHELTER THAT WILL OPEN AS NEEDED AND ACCOMMODATE PETS.
- FZ201230 PROVIDE PET CRATES FOR HOMELESS OR THOSE IN NEED OF THEM
- FZ300182 PETS WITH PEOPLE. KEEP LINES OF COMMUNICATIONS OPEN. USE FACEBOOK.
- FZ300581 KEEP CLEAN WITH PET
- FZ400078 MOST FAMILIES HAVE PETS. ACCOMMODATE PETS
- FZ400252 STUFFED ANIMAL FOR CHILDREN WHO ARE TRAUMATIZED. ALLOW PETS.
- FZ401100 SUPPORT CONSTRUCTION OF A MIDDLE SCHOOL/PET FRIENDLY SHELTER IN KILAUEA
- IL100144 PET FRIENDLY

IL101752 MORE PET FRIENDLY SHELTERS
 IL102164 MAKE ALL PUBLIC SHELTERS PET FRIENDLY
 IL200599 MUST ALLOW PETS! HAVE TENTS FOR PRIVACY
 IL301410 MAKE SHELTERS ACCEPT PETS
 IL400678 PETS, WATER, TRANSPORTATION
 IL401041 BETTER PET SHELTERING FACILITIES

BUILD/HARDEN MORE SHELTERS; BE CREATIVE

FZ100341 MORE SHELTERS
 FZ100383 SHELTERS COULD BE AT CHURCHES TO FEEL SAFE AND COMFORTABLE
 FZ100620 SHELTERS SHOULD BE A LARGE, STRONG, STURDY BUILDING. NO PORTABLE RESTROOMS.
 FZ100638 INSURE PUBLIC SCHOOLS ARE STRONG ENOUGH TO WITHSTAND HURRICANES.
 FZ100665 OPEN ALL PUBLIC SCHOOLS AND LIBRARIES.
 FZ100699 ID BUILDINGS THAT CAN WITHSTAND A CAT 5. NEED 48 HOURS NOTICE ON AVAILABILITY
 FZ101026 NEED MORE SHELTERS IN COMMUNITIES AS SOME FAMILIES HAVE NO TRANSPORTATION
 FZ101289 GET HELP OF EXISTING HOTELS TO "SHARE" SPACE IN THE EVENT OF EMERGENCY.
 FZ101539 GET ALL PUBLIC AND PRIVATE SCHOOLS
 FZ101627 SUFFICIENT SHELTERS
 FZ101893 MORE FACILITIES.
 FZ101897 PARKING GARAGES WITH SUPLIES
 FZ102478 MAKE ALL SCHOOL BUILDINGS AVAILABLE FOR SHELTER.
 FZ102530 IF HIGH RISES ARE SAFE, COULD THEY BE USED AS SHELTERS?
 FZ102532 MAKING SURE SHELTERS WITHSTAND HURRICANE FORCE WINDS
 FZ102542 START WITH CORRECT PROPER BUILDING CODES
 FZ102619 MAKING SURE PUBLIC EMERGENCY SHELTERS ARE SAFER THAN RESIDENT'S HOMES.
 FZ102654 IF THE HOMELESS FILL UP THE EMERGENCY CENTERS, MAYBE NO ROOM FOR REST OF US
 FZ102679 I WORRY WHETHER THE SHELTER BUILDINGS ARE STRONG ENOUGH
 FZ200052 MORE AVAILABLE SHELTERS
 FZ200099 AMPLE PUBLIC SHELTERS
 FZ200112 RESTAURANTS COULD BE SHELTERS IF GOVT WOULD EASE UP ON REGS
 FZ200356 NOT ENOUGH SHELTERS (OR THE POPULATION THAT KEEPS GROWING)
 FZ200443 MORE SHELTERS AND CONVENIENT LOCATIONS IN EACH AREA.
 FZ200578 CONTAINER SHELTERS BOLTED TO GROUND.
 FZ200680 MORE IN GROUND BUNKERS.
 FZ200728 BUILDING STRUCTURE FOR MISC.
 FZ200830 HELP MAUI PREP ACADEMY BUILD GYM THAT CAN BE USED AS A SHELTER.
 FZ200898 HAVE MORE SAFE SHELTERS ON MAUI
 FZ200921 GET MORE SHELTERS
 FZ201097 MORE LOCAL SHELTERS.
 FZ201113 NOT ENOUGH SHELTERS. SHELTERS ARE NOT UP TO STANDARD.
 FZ201127 UTILIZE CRUISE SHIPS OR MILITARY TO EVACUATE FAMILIES TO NON-AFFECTED AREAS
 FZ300206 HAVE BUILDINGS MADE FOR STORMS LIKE THIS AND USE IT THRU OUT THE YEAR
 FZ300633 MORE SHELTER FACILITIES
 FZ300761 CHURCHES SHOULD HAVE ADOPT-A-FAMILY VOLUNTEERS.

FZ300803 IDENTIFY LARGE CEMENT STRUCTURES/NO WINDOWS FOR SHELTERS
 FZ400063 HAVE A LIST OF HOTEL THAT CAN ACCOMODATE EVACUEES
 FZ400116 WE NEED BUNKERS TO PROTECT FROM MISSILE ATTACKS.
 FZ400212 HAVE CHURCHES PREPARE IF POSSIBLE
 FZ400298 HAVE MORE STORM PROOF SHELTERS.
 FZ400627 NEED MORE SHELTERS. MAYBE NEIGHBORHOOD SMALL SHELTERS, WALKING DISTANCE.
 FZ400675 OPEN ALL FIRE DEPT., CONCRETE HOTELS, ETC.
 FZ400687 PUT AT A LIST OF HOTELS PEOPLE CAN GO TO. BIG HOTELS, LOTS OF CONCRETE.
 FZ400864 WE NEED MORE SHELTERS ON NS KAUAI.
 FZ400954 PROVIDE FOR LARGER INVENTORY OF SAFE PUBLIC SHELTERS.
 UTILIZE & PREP. LARGE EMPTY BUILDING, SUCH AS KMART, SPORTS AUTHORITY FOR
 FZ401051 SHELTER
 FZ401104 UTILIZE OTHER FACILITIES AS SHELTERS BESIDES AGING SCHOOLS NOT BUILT AS SHELTERS
 FZ401270 CHECK WITH MORE BUSINESSES IF THEY COULD OFFER ASSISTANCE -- HAVE A GUIDE.
 FZ600002 NEED BETTER SHELTERS FOR A SMALL PLACE LIKE I LIVE IN.
 FZ600057 FORTIFY MORE BUILDINGS. MOLOKAI SHELTERS ARE INSUFFICIENT.
 FZ600062 BUILD ONE, TWO. NO SHELTERING ON MOLOKAI TO HANDLE A CAT 4 OR 5
 FZ600080 BUILD A SITE ON THE EAST END OF Molokai
 FZ600164 THERE ARE NO SAFE SHELTERS OUTSIDE OF THE FLOOD ZONE IN EAST MOLOKAI.
 FZ600165 MORE SHELTERS, CLOSER. EACH AREA NEEDS EVACUATION PLAN.
 FZ600212 MAKE KILOHANA SCHOOL A SHELTER.
 FZ600226 IMPROVE CURRENT SHELTER/HIGH SCHOOL GYM ROOF WOULD NOT HANDLE CAT 4-5
 IL100177 HAVE MORE PUBLIC SHELTERS "READY".
 IL100237 MAKE SURE MOST VULNERABLE AREAS HAVE ADQUATE SHELTERS.
 IL100713 GET HOTELS ON BOARD TO ASSIST AS SHELTERS
 IL100759 BUILD SHELTERS ON MILITARY RESERVATION LAND
 IL101517 CREATE SPACES FOR US TO SHELTER IN/FALL OUT SHELTERS.
 IL101518 REQUIRE INCREMENTAL UPGRADES TO SHELTERS. WHEN THEY APPLY FOR ANY PERMITS.
 IL101606 THEY NEED TO UPGRADE EVERYTHING AND MAKE IT STRONGER.
 IL101662 OPEN ALL SCHOOLS. ALLOCATE MORE RESOURCES.
 IL101688 HAVE THE MILITARY BUNKERS AND BUILDINGS AVAILABLE TO THE PUBLIC!
 IL101810 NOT ENOUGH PUBLIC SHELTER SPACE.
 IL101881 WE LIVE NEAR LARGE BULDINGS; CAN THEY BE USED AS SHELTERS
 IL101946 UNDERGROUND SHELTERS.
 IL102143 USE MORE SCHOOLS AS SHELTERS.
 IL200128 BUILD SAFER SHELTERS
 IL200161 HURRICANE PROOF CURRENT SHELTERS.
 IL200531 BUILD UNDERGROUND BUNKERS IN THE CANE FIELDS WHERE THERE'S ENOUGH LAND
 IL200595 UTILIZE ALL EMPTY BUILDINGS INSTEAD OF BUILDING NEW ONES AND LEAVING OLD ONES
 IL200613 MORE SHELTERS
 IL200731 CLOSER SHELTERS
 IL200740 MANY SHELTERS
 IL200860 CREATE M.O.U'S WITH HOTELS TO PROVIDE SHELTERS.

IL200930 COMMUNITY CTNRS, SCHOOLS, GYMS, YMCAS PLACES WITH SOLID FOUNDATIONS
 IL200945 MORE SMALLER SHELTERS BETTER THAN BIG ONES
 IL201051 WE NEED MORE SHELTERS AND BE IDENTIFIED
 IL201054 PARTNER WITH "BOX STORES" TO PROVIDE TEMPORARY SHELTER DURING STORM
 IL201154 GYM OR SCHOOL. WHAT ABOUT CORPORATE SPONSORED LOCATIONS
 IL201203 BUILD ALL FUTURE SCHOOLS/GYMS SO THEY CAN BE GOOD SHELTERS IF NEEDED
 IL201290 RETROFIT SHELTERS TO BE SAFE/MAUI NEEDS AN EVACUATION PLAN
 IL300035 ALL CHURCHES, SCHOOLS, USEABLE COUNTY BULDGS SHOULD BE AVAILABLE IN EMERGENCY
 IL300362 MORE SHELTERS IN RURAL PUNA. IT'S A LARGE AREA, GROWING POPULATION
 IL300695 HAVE AS MANY PUBLIC EMERGENCY SHELTERS OPEN AS POSSIBLE
 IL300887 MORE SHELTERS NEEDED RETROFITTING
 IL301060 MORE SHELTERS
 IL301283 SCHOOL SHELTER, RELIGIOUS AREAS FOR MEMBERS, WORK PLACES
 IL400401 BUILD GOOD SHELTERS AND STOCK THEM.
 IL400672 GOVERNMENT SHOULD BUILD LARGE CONCRETE SHELTERS FOR THIS.
 IL400749 FIX THE SCHOOL SHELTERS
 IL400796 SPECIFY AT LEAST TWO SHELTERS PER TOWN/CITY PER POPULATION.
 IL400905 BUILD SOME REAL SHELTERS
 IL400935 NOWHERE CLOSE TO ENOUGH SHELTERS. NEED FOUR TIMES THE AMOUNT
 IL400958 NEED TO ID MORE SHELTERS/BUILD MORE CONCRETE SHELTERS IN STRATEGIC LOCATIONS
 IL400997 MAKE SURE PUBLIC SHELTERS ARE ABLE TO WITHSTAND THE STORMS
 IL401081 ENSURE EACH COMMUNITY HAS ENOUGH SHELTERS SO PEOPLE DON'T HAVE TO TRAVEL
 FZ400031 PROVIDING BOARD GAME FOR SHELTER PEOPLE. PROVEN VERY HELPFUL IN JAPAN.
 FZ400290 CONTAINER WATER CATCHMENT, POWER SOLAR AT SHELTERS
 IL401091 WE NEED MORE SHELTERS
 IL500137 ON LANAI, LIMITED SHELTER, HOME IMPROVEMENT OPTIONS, EMERGENCY SUPPLIES.
 IL500157 CREATE A PUBLIC SHELTER ON LANAI LARGE ENOUGH TO HOUSE TH POPULATION
 IL500263 A SHELTER THAT IS CAPABLE FOR THE STRENGHT OF THE HURRICANE.
 IL500313 THERE ARE NOT ENOUGH SHELTER SPOTS TO HOUSE OUR ISLANDS POPULATION
 IL500373 SHELTERS IN HAWAII ARE INADEQUATE
 IL600029 UNDERGROUND BUNKERS
 IL600137 MORE SHELTERS NEEDED ON MOLOKAI
 IL600149 HURRICANE SAFE SHELTERS
 IL600212 CONSTRUCT MORE SHELTERS
 IL600280 MOLOKAI DOESN'T HAVE ENOUGH SHELTER SPACE BEING; LACK OF RESOURCES
 IL600283 MOLOKAI, NOT ENOUGH SHELTER SPACE
 IL600324 ON MOLOKAI, NEEDS A WEST END SHELTER AND FIRE STATION.
 IL600341 WE NEED SHELTERS MADE FROM HOLLOW TILE, CEMENT WALL, ETC.
 IL600387 HARD SITUATION. FIND YOUR OWN PLACE
 IL600391 MOLOKAI HIGH SCHOOL IS THE ONLY SHELTER ON THE WHOLE ISLAND FOR 7,500 PEOPLE
STOCK SHELTERS WITH MORE SUPPLIES AND ASSISTANCE
 FZ100338 MAKE SURE ALL PROVIDERS OF SHELTER KNOW HOW ACCESS EMERGENCY SUPPLIES
 FZ100839 HAVE MORE PEOPLE HELPING

FZ101018 HAVE STOCK HERE ON ISLAND
 FZ101322 WATER
 FZ101864 MAKE SURE ALL SHELTERS ARE PREPARED
 FZ102468 IF USING LARGE BLDGS. BE SURE TO HAVE MOST BASIC SUPPLIES
 FZ102765 BEDS
 FZ200118 STOCKPILE WATER/FOOD/SLEEPING MATS.
 FZ200589 HAVE SHELTERS WELL SUPPLIED
 FZ201032 READY TO EAT REM MEALS MILITARY SUPPLY
 FZ301124 HAVE READY SUPPLIES, FOOD, WATER TOILETRIES
 FZ400201 EMERGENCY SERVICES NEED TO PRE-STAGE RELIEF SUPPLIES.
 FZ400259 NEED TRAINED HELP AT SHELTERS/LIMIT HEIGHT OF TREES
 FZ400584 MAKE SURE THERE ARE ENOUGH BATHROOMS. PROVIDE ANIMAL AREAS.
 FZ600098 MOLOKAI NEEDS A STOCKPILE OF SUPPLIES ETC...NO BARGE, NO SUPPLIES TO MOLOKAI
 IL101030 BE SURE WATER AVAILABLE AT SHELTERS
 IL101359 PROVIDE WATER, SOME FOOD
 IL101488 WELL STOCKED-WATER/FOOD
 IL102276 MORE MANPOWER, AVAILABILITY OF BEDDING, FOOD
 IL200647 FORTIFY/BETTER EQUIP SCHOOLS, CHURCHES, ETC IN SAFE AREAS; MAY NEED MANY DAYS
 IL200854 PROVIDE SOME FOOD
 IL200896 PREPARE/STOCK SHELTERS BEFORE EVENT; DESIGNATED SHELTERS FOR SPECIFIC AREAS
 IL300643 FOOD AT SHELTERS
 IL300690 AREA FOR TENTS/SHOWERS.
 IL300906 BASICS FOOD, WATER AND BEDDING NEEDED AT SHELTERS, OTHER SUPPLIES LATER
 IL400030 MAKE SURE SHLETER IS AVAILABLE TO HOLD ENOUGH PEOPLE AND BATHROOMS ETC
 IL400887 NEED REAL SHELTERS/PREPARED HOSPITALS/EMERGENCY SUPPLIES/WAYS TO GET SUPPLIES
 IL400933 PROVIDE DRINKING WATER
 IL600188 HAVE SOME ESSENTIAL SUPPLIES
 IL400929 SIGNS SHOWING WHERE THE SHELTERS ARE; JUST LIKE EVACUATION ROUTE SIGNS
 IL401012 NEED SHELTER COORDINATORS SUPPORTED BY EMERGENCY AGENCIES
ENSURE THAT THE SHELTERS ARE SAFE, ESPECIALLY AS CONCERNS THE HOMELESS
 FZ100404 POLICE AT SHELTERS. STEEP LAWS FORLOOTERS
 FZ100761 CONCERNED THAT PUBLIC, SHELTERS ARE FULL OF HOMELESS -- THAT'S A DETERRENT
 FZ101125 SHELTERS ARE NOT SAFE, NOT COMFORTING. PEOPLE WILL STAY W/ OHANA AND RISK IT
 FZ200264 SINGLE MEN SEPERATE FROM FAMILY WITH CHILDREN.
 FZ200288 PETS SHOULD NOT BE ALLOWED. TOO MUCH LIABILITY FOR STATE.
 FZ101861 HAVE SEPARATE PLACES
 FZ300042 REINFORCE SHLETERS, STAFF WITH MEDICAL, VETERINARY
 FZ300339 MORE PRIVACY, BETTER BATHROOMS
 FZ300458 PROVIDE SHELTERS SEPARATELY FOR FAMILIES, SINGLES AND SENIORS.
 FZ300697 SHELTERS ARE FOR PEOPLE NOT ANIMALS. NO ANIMALS IN SHELTERS.
 FZ400001 AUTHORITY PRESENCE IS NEEDED (E.G. POLICE, NATIONAL GUARD).
 FZ400939 GAS STATION SUPERVISION SO THAT SOME PEOPLE DON'T TAKE MORE THAN THEY NEED.
 IL100463 EXEMPT HOMELESS

IL100712 SHELTERS HAVE LOTS OF HOMELESS, WHAT ARE THEY GOING TO DO WITH US?
 IL101682 BETTER ORGANIZED SHELTERS; EVERYONE NEEDS TO HELP CLEAN AND POLICE SHELTER
 IL101689 PROVIDE SECURITY
 IL101736 WE NEED ENFORCED & PROTECTED SHELTERS IN THE LOW LYING AREAS.
 IL101901 PUBLIC SHELTERS SHOULD BE FAMILY FRIENDLY. SHOULD NOT BE ONLY FOR HOMELESS.
 IL201281 PROVIDE SAFETY A LAW ENFORCEMENT IN AREAS HARD HIT KEEP ROADS OPEN AND SAFE
 IL300743 SECURITY CHECKPOINTS FOR INFO AND EMERGENCY SUPPLIES FOR THOSE IN NEED
 IL301484 KEEP DRUG USERS OUT; PERSONAL SAFETY IS AN ISSUE.
 IL400748 MAKE SURE SHELTER IS SAFE/SUPPLIED.

SHELTER THE HOMELESS; THEY NEED HELP

FZ300901 HELP THE HOMELESS
 IL100036 PROGRAMS TO INSTRUCT AND ASSIST HOMELESS - ESP. IN RURAL AREAS.
 SHELTERS NEED TO BE PREPARED AND HOMELESS VETS WITH OTHER PEOPLE NEED TO
 IL110227 MEET.
 IL301094 MORE SHELTERS FOR HOMELESS.
 IL400532 TAKE CARE OF HOMELESS/UNSHELTERED CHILDREN; KEEP UP GOOD WORK
 TEACH THE HOMELESS HOW TO BUILD A SIMPLE SHELTER; PEOPLE LEARN IF SHOWN
 IL400240 RESPECT
 IL400975 HOMELESS SHELTERS NEEDED

PAY MORE ATTENTION TO SENIORS

FZ101335 MOST OLD PEOPLE DO NOT DRIVE
 FZ101695 CONDUCT CENSUS ON HOW MANY SENIOR CITIZENS LIVE ALONE.
 FZ101700 REQUIRING LANDLORDS TO BE PREPARED TO HELP SENIORS!
 FZ102015 CAN HAVE SHELTERS DESIGNATED FOR SENIORS.
 FZ600154 NEED LIST OF SENIORS LIVING ON ISLAND ALONE; CHECK ON THEM
 IL100601 CHECK ON THE ELDERLY
 IL300549 ID SENIOR CITIZEN NOW WHO WILL NEED HELP IN EVACUATION
 IL500028 OFFER SERVICES TO OUR SR CITIZENS TO HELP PREPARE/GO TO SHELTER OR TO HOSPITALS

PROVIDE MORE EDUCATION/WORKSHOPS/LITERATURE

FZ100110 PROVIDE SPECIFIC PLANS FOR THOSE IN AFFECTED AREAS.
 FZ100227 STATE WIDE DRILLS
 FZ100253 INFORM RESIDENTS OF DESIGNATED SHELTER.
 FZ100587 MAKE PUBLIC SHELTER LOCATIONS WELL KNOWN AHEAD OF TIME
 FZ100849 TOURIST IN B&B'S NEED MORE INFORMATION
 FZ101010 PRACTICE/DRILLS
 FZ101211 LIST WHAT PUBLIC SHELTERS ARE AVAILABLE.
 FZ101269 IDENTIFY SHELTERS ON HIGH GROUND.
 FZ101308 PROVIDE A MAP & LOCATIONS FOR SHELTERS THAT WOULD BE AVAILABLE
 FZ101558 MAKE CERTAIN EVERYONE KNOWS WHERE THE SHELTERS ARE
 FZ102147 PROPERLY IDENTIFY AND INFORM COMMUNITY OF EMERGENCY SERVICES.
 FZ102187 ANNOUNCE SHELTERS ON LOCAL NEWS.
 FZ102207 BE SPECIFIC ABOUT STORM SURGE DANGERS BY SHORES, BY SAFE ELEVATIONS.
 FZ102406 PROVIDE PUBLIC WORKSHOPS ABOUT SAFETY/PREPAREDNESS.

FZ200205 TEACH AND ENCOURAGE WATER ENCATCHMENT
 FZ200329 INFO ON BEST TYPES OF FOOD TO STORE.
 FZ200895 SIGNS THAT SHOW WHICH BUILDINGS ARE SHELTERS
 FZ300473 PROVIDE FLIERS ON WHAT ONE NEEDS TO BRING TO PUBLIC SHELTER IN AREA
 FZ300487 HOST A TIPS FOR HURRICANE PREPAREDNESS WORKSHOP/SEMINAR
 FZ301047 TOP 5-10 EMERGENCY FOODS TO HAVE IN STOCK THAT DO NOT REQUIRE REFRIGERATION.
 FZ400163 INFORM MY COMMUNITY
 FZ400859 HAVE CONDO AOA POST DIRECTIONS TO NEAREST HOTEL(S) AND WHAT IS PROVIDES.
 FZ401089 MAKE PEOPLE MORE AWARE OF IMPORTANCE OF SELF SUFFICECY AND PREPAREDNESS
 FZ600049 HAVE HTY CREATE A SHORT PLAY ABOUT HURRICANES RESPONSE/TOUR SCHOOLS
 FZ600056 TRIAL SHELTER EXPERIENCE
 FZ600176 A SPECIFIC LIST OF SAFE PUBLIC PLACES TO GO IN SPECIFIC AREAS OF THE ISLAND
 IL100158 PREACH SELF RELIANCE/PREPAREDNESS
 IL100612 PREPARE QUICK BUS EVACUATIONS TO SAFE SHELTERS AS NEEDED.
 IL101162 IDENTIFY SHELTERING AREAS IN EACH ZIPCODE.
 IL101295 HAVE PEOPLE SHARE IDEAS WITH FAMILY & CLOSE NEIGHBORS
 IL101386 LIST OF WHAT SHELTERS/AVAILABLE SUPPLIES/SERVICES -- UPDATED REGULARLY.
 IL101733 TELL US WHERE NOT TO GO, E.G. ARE UNDERGROUND GARAGES SAFE
 IL101854 WHERE ARE THE SHELTERS LOCATED?
 IL102458 SPECIFY LOCAL PUBLIC SHELTERS
 IL200528 SHOW THE PUBLIC A READINESS WE CAN BE CONFIDENT IN
 IL200551 HAVE OPEN SHELTER EVENTS NOW TO SHOW WHAT IT MIGHT BE LIKE DURING STORMS
 IL200722 CLARIFY WHAT IS OFFERED AT SHELTERS ON RADIO/TV
 IL200760 INSTRUCT CHILDREN IN SCHOOLS ABOUT BEING PREPARED
 IL200780 CREATE BRIEFINGS/ORIENTATIONS TO PRESENT TO THE PUBLIC. PREP EVACUATION PLANS
 IL200812 EVERY YEAR, A LIST OF PLACES WHERE TO GO IF YOU NEED TO EVACUATE.
 IL200933 NEED TO IDENTIFY AND FIND PLACES TO SHELTER ON MAUI.
 IL200946 PRACTICE DRILLS
 IL300236 TOWN HALL MEETINGS
 IL300399 LOCATIONS BETTER ADVERTISED
 IL300474 MORE CERT TRAINING
 IL300515 BE SPECIFIC ON STREETS IN TOWN TO LEAVE
 IL300582 MORE EDUCATION NECESSARY, ESPECIALLY FOR THE DECISION MAKERS
 IL301434 BEFORE SEASON, PROVIDE BROCHURE WITH TIPS AND SHELTER INFO
 IL400195 INFO ON HOTELS AVAILABLE FOR SHELTER
 IL400298 EDUCATE; THEN PROMOTE MINISTRY OF PUBLIC SERVICE. HELP YOURSELF, HELP OTHERS
 IL400679 INFORM PUBLIC ON DESIGNATED SHELTERS; WHERE ARE NUCLEAR BOMB SHELTERS
 IL400880 PUBLICIZE SHELTERS AVAILABLE DURING HURRICANE SEASON
 IL401141 HAVE PREPAREDNESS MEETINGS. SHOW USING AN EMERGENCY. HOW IT WOULD LOOK ETC
 IL401167 REMIND THEM TO BRING FOOD & MEDS.
 IL401231 PROVISIONS NOT PROVIDED IN SHELTERS. REPEATED ANNOUCEMENTS OF SHELTERS
 IL500063 BETTER IDENTIFICATION OF PUBLIC SHELTERS; VISIT PUBLIC SHELTERS
 IL500365 SEND BRIGHT PLACARDS THAT SHOW THE NEAREST EMERGENCY SHELTER TO PLACE ON

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HELP RESIDENTS SHELTER IN PLACE AT HOME OR IN THEIR WORKPLACE

FZ100373 GIVE TAX CREDIT TO IMPROVE HOMES
FZ100377 DIFFICULT FOR ELDERLY AND LOW INCOME TO LEAVE THEIR BELONGING; ALL THEY HAVE
FZ101089 GOV'T PAY FOR ALL SUPPLIES/HOMES IMPROVEMENT/ETC.
FZ101463 HAVE AN OFFICE OF RETROFITTING EXPERTS
FZ101702 PROVIDE TAX INCENIVES
FZ101885 HOME PROGRAMS; PEOPLE COULD VOLUNTEER TO OPEN THEIR HOMES IF SAFE
FZ101914 WORK WITH BUSINESSES TO BECOME SHELTERS -- GIVE INCENTIVES/EDUCATE EMPLOYEES
FZ102570 USE PUBLIC/PRIVATE LODGING FACILITIES. GIVE TAX CREDITS/INCENTIVES
FZ102600 IF AWAY FROM OCEAN, SHELTER IN PLACE. CUT TREES AROUND HOME.
FZ200125 THE GOVERNMENT SHOULD HELP FUND THESE IMPROVEMENTS TO OUR HOME.
FZ200263 HELP FOR FOOD
FZ200597 WE LIVE IN OLDER HOMES AND NEED WHATEVER HELP POSSIBLE.
FZ200818 GIVE INCENTIVES TO OWNERS OF HURRICANE-SAFE PROOF BUILDINGS TO BE SHELTERS
FZ300283 ARE OUR TWO SHELTERS IN OUR AREA ANY SAFER THAN STAYING AT HOME.
FZ300338 FIGHT INSURANCE NEGLIGENCE AND OTHER INSUREANCE BS
FZ301025 OFFER INCENTIVES FOR THOSE WITH SAFE SPACE TO SHELTER OTHERS.
FZ400152 PROVIDE LIST OF FAMILIES THAT CAN HOST OTHERS. INCENTIVIZE.
FZ400850 ENCOURAGE PRIVATE SECTOR TO EDUCATION AND FAIRS.
FZ400989 SEND SOMEONE TO HOUSE AND LET US KNOW IF OUR HOUSE IS SAFE IN A HURRICANE.
FZ401124 A LIST OF PEOPLE WHO COULD PROVIDE SHELTER IN THEIR HOEMS FOR A FAMILY
FZ600059 INSURANCE.
FZ600104 HELP OFFSET COST OF UPGRADING OLDER HOMES.
IL100235 BEST TO SHELTER IN PLACE
IL100776 FOCUS EFFORTS ON UPGRADING SINGLE WALL CONSTRUCTED HOUSES
IL101042 STAY HOME.
IL101502 LEAVE HOME ONLY IF NECESSARY/HAVE SOLAR POWER AVAILABLE IN COMMUNITY
IL101829 I DON'T KNOW THAT MY PUBLIC SHELTER IS ANY SAFER THAN MY HOME?
MOST PEOPLE WILL SHELTER IN PLACE. SO THAT SHOULD BE THE FOCUS -- HELP US DO
IL101896 THAT.
IL200345 BETTER WE HARDEN OUR HOUSES/INFRASTRUCTURES; THE BETTER WE WILL BE IN STORMS
IL200523 TAX CREDITS TO BUSINESSES OR ORGANIZATIONS WHO OPEN UP TO SHELTER
IL200745 TRY TO BUDDY FAMILIES UP WHO HAVE STRONG HURRICANE RESISTANT HOMES
IL200782 HURRICANE CERTIFY ALL HOUSES THAT QUALIFY
IL200796 CONSULT ON MAKING HOUSE HURRICANE PROOF. LIST VENDORS WITH RIGHT SUPPLIES
IL200835 ENFORCE HURRICANE PROOF BUILDING CODES
IL200839 ENCOURAGE NEIGHBORHOOD SUPPORT SYSTEMS
IL300080 HELP PEOPLE BE ABLE BUILD THEIR OWN "BOMB SHELTER" SO THEY CAN SHELTER IN PLACE
IL300206 TAX DEDUCTION ON THE COST FOR PREPARATION
IL300407 HOMES W/ MORE STORAGE; HOMES EQUIPPED W/ GENERATORS
IL300507 LOWER COST OF LIVING SO WE ALL CAN AFFORD TO PREPARE
IL300630 MORE INSTRUCTIONS ON SHELTERING IN PLACE

IL300631 MAKE IT EASIER FOR LOCALS TO HELP LOCALS
 IL300639 ONLY EVACUATE ALONG COAST OR CLOSE TO STREAMS; EVERYONE ELSE STAY HOME
 IL400063 MAKE EMERGENCY KITS AVAILABLE TO ALL.
 IL400137 HAVE MATSON CONTAINERS AT UNSAFE HOMES FOR FAMILIES
 IL400577 EXPLIDITE COUNTY PERMIT PROCESS. START THE TAX BREAK OR CREDIT INCENTIVES NOW
 IL400586 HOMES BUILT TOUGH SHOULD OPEN THEIR HOMES TO NEEDY.
 IL400778 OWNERS OF PROTECTED HOUSES COULD VOLUNTEER THEIR HOUSES AS SHELTERS
 IL400895 NO MORE FALSE MISSILE ATTACKS, SHELTER IN PLACE.
 IL400911 STAY WITHIN YOUR AREA
 IL401059 GET COMMUNITIES TO SEE WHAT SHELTER FAMILIES CAN PROVIDE TO EACH OTHER
 IL401181 PREFAB UNDERGROUND SHELTER, REASONABLE COST
 IL401197 INCREASE AWARENESS. OFFER TAX CREDITS, SUPPORT NETWORKS IN NEIGHBORHOODS
 IL401248 MANY SHELTERS HAVE BEEN OLD SCHOOL BUILDINGS. BETTER TO STAY HOME.
 IL600219 OHANA NEED INSURANCE HELP/CLEARING ROAD DEBRIS/SHARE FOOD AND WATER
 IL600294 SHARE IDEAS AS TO WHAT FAMILIES DO TO REMAIN SAFE AND HELPFUL

MANAGE TRAFFIC BETTER/MORE BUS SERVICE TO THE SHELTERS

FZ100385 ONE LANE OPEN TO ONLY EMERGENCY VEHICLES AND RUN BUSES FOR EVACUATIONS.
 FZ100402 ALLOW FREE PUBLIC TRANSPORT TO SHELTERS.
 FZ101733 INFORMATION ON TRAFFIC AND ROADS.
 FZ102757 IF MANY DRIVE, WHERE WILL CARS PARK? WILL POLICE DIRECT TRAFFIC AT SHELTERS?
 FZ200102 POSSIBLE PUBLIC TRANSPORTATION TO SHELTER LOCATION
 FZ600043 HELPING AND TRANSPORTATION
 IL100459 EVACUATION COULD CLOG ROADS, NEED LOCAL PLANS.
 IL100708 OPEN ALL ROADS ONE WAY LEADING AWAY FROM OCEAN
 IL101189 IMPROVE TRAFFIC FLOW; TRAFFIC WORST PROBLEM DURING EMERGENCY
 IL101243 FIX THE ROADS!
 IL101444 SAFETY IS A CONCERN. DANGEROUS ROADS CONDITIONS DUE TO BAD DRIVERS.
 IL200716 PROVIDE EMERGENCY TRANSPORTATION WHEN REGULAR BUS SERVICE CANCELLED
 IL400762 HAVE BUSES AVAILABLE TO TAKE TO SHELTERS, DESIGNATE

MISCELLANEOUS/OTHER IDEAS

FZ100046 JUST BE PREPARED. DO NOT TAKE THINGS FOR GRANTED!!
 FZ100080 ALOHA SPIRIT!
 FZ100234 WEAR HELMETS.
 FZ100721 HAPPY TO PARTAKE IN ANY BRAINSTORMING. HELLO@BLUECHALKDESIGNSTUDIO.COM.
 FZ100732 NEED TO EVACUATE IF THESE SHELTERS ARE EVEN SAFE.
 FZ100914 PRAY
 FZ100962 PEOPLE MUST HAVE 14 DAYS SUPPLIES. SHELTER CAN'T FEED THEM. GOVT. CAN'T DO IT.
 FZ101051 I THINK GOVERNMENT IS DOING A GOOD JOB!
 FZ101167 A CIVIL DEFENCE OVERHAUL! FAR TOO LONG THEY NEGLECTED THE HAWAII PEOPLE!
 FZ101217 THE STATE'S LEADERSHIP NEEDS TO BE REFRESHED.
 FZ101418 THIS SURVEY IS STUPID
 FZ101952 BE PREPARED FOR YOURSELF. CANNOT COUNT ON THE HI STATE GOVT
 FZ102554 TELL PEOPLE TO BRING OWN SUPPLIES TO SHELTERS.

FZ300378 PEOPLE NEED TO TAKE CARE OF THEMSELVES FIRST THEN SEEK HELP
 FZ300385 WE ARE MORE AT RISK FROM LAVA
 FZ300518 STOP HAVING BABIES! THERE ARE ENOUGH PEOPLE ALREADY!
 FZ300885 SHOW YOU CARE WITH A SMILE AND A KIND WORD
 FZ301069 ADVISE. BRING WINE. ALOHA.
 FZ600044 BE INFORMED & PREPARED.
 FZ600101 IF WE'RE CUT OFF WE'RE SCREWED.
 FZ600197 FINGERS CROSSED AND FISHPOND
 FZ600219 TAKE IT SERIOUSLY.
 IL100061 START EARLY TO PUT EMERGENCY KIT TOGETHER. IT'S COSTLY PURCHASING ALL AT ONCE.
 IL100323 PURSUE SEN. CHANG'S IDEAS OR SINGAPORE HOUSING APPROACH.
 IL100635 USE COMMON SENSE
 IL100645 JUST BE PREPARED
 IL101320 SAVE WATER IN CONTAINERS
 IL102163 BE PREPARED AT ALL TIMES, INSTEAD OF RUNNING ALL AROUND FOR SUPPLIES.
 IL102242 START BUYING LOTS OF FOOD/WATER. THINGS THAT YOU NEED FOR TWO WEEKS/MORE.
 IL102494 I THINK WE'RE PRETTY WELL INFORMED.
 IL200836 GET A LOT OF WATER IN GALLON JUGS, BATTERIES, LANTERNS, CAN FOOD, CAN OPENER.
 IL200866 DON'T KICK OUT FAMILIES
 IL200996 HAVE FOLKS ON BIG ISLAND MAKE THE DECISIONS FOR BIG ISLAND, NOT OAHU!
 I FEEL SAFE BECAUSE I LIVE UPCOUNTRY & HAVE A RESPONSIBLE STAFF TO HELP THE
 IL201002 ELDERLY
 IL300120 I THINK THEY ARE DOING WHAT THEY NEED TO DO. COST IS HIGH
 IL300851 THEIR DOING A GOOD JOB BEST THEY CAN
 IL301084 HELP OUR FRIENDS
 IL400054 BE PREPARED
 IL400368 PLAN AND GET READY EARLY
 IL400707 USE ROPE TO ANCHOR ROOF DOWN
 IL400812 RED CROSS INFO EXCELLENT; SHELTERS ARE NOT LUXURIOUS; BRING OWN SUPPLIES
 IL500019 PRAYER
 IL500304 PEOPLE NEED TO HAVE THEIR OWN PLAN. DON'T RELY ON THE GOVERNMENT
 IL600139 LEARN TO BE HAPPY WITH LESS FOOD
 IL600366 COOPERATE WITH AUTHORITIES BECAUSE YOU'LL NEVER KNOW WHAT MIGHT HAPPEN
 FZ100391 TRY TO SEE STORM WHEN SMALL
 FZ100745 SUPPORT/EVACUATION ACCESS/MILITARY BASES.
 FZ101895 LAY POWER LINE UNDERGROUND.
 FZ102516 START PLANNING FOR CLIMATE CHANGE AND SEA LEVEL RISING.
 FZ102578 TSUNAMIS ARE A GREATER THREAT THAN HURRICANES. PLAN FOR THEM.
 FZ102651 LESS FOCUS ON PETS, MORE ON PEOPLE
 FZ200098 STUDY THE NEEDS FOR AN EMERGENCY SHELTER & HOW IT SHOULD BE FUNDED!
 FZ200103 MAUI NEEDS HELP MAKING THE ISLAND SELF SUSTAINABLE WITH THEIR OWN FOOD.
 FZ200145 HAVE SUPPLIES TO SEND ME HOME WITH. AND CASH AS WELL.
 FZ200849 POST-HURRICANE. I HAVE A VACANT HOUSE TO HELP SHORT TERM. MAY BE OTHERS.

FZ200893 ENCOURAGE UNDERGROUND ELECTRIC WITH TAX INCENTIVES.
 FZ201212 AFFORDABLE HOUSING
 FZ300102 TREE CUTTING
 FZ300202 POST STORM TENT CITIES
 FZ300969 GATHER PARTICULAR INFORMATION ON ALL FAMILIES.
 FZ300979 SHOULD HAVE A PLACE TO ADDRESS SPIRITUAL NEEDS
 FZ301244 FACILITATE EFFECTIVE PUBLIC/PRIVATE/NON-PROFIT PARTNERSHIPS & COLLABORATION
 FZ400005 BUILD UNDER GROUND SHELTER IN A FLOOD FREE ZONE.
 FZ400906 NO HOUR RESTRICTIONS ON BATHROOM USAGE.
 FZ401012 LIMIT VACATION RENTALS
 FZ401167 UNDERGROUND UTILITIES
 FZ600013 HAVE A TENTATIVE EMERGENCY SHELTER PLAN IF CATASTROPHIC DISASTER STRIKES.
 FZ600061 PROVIDE MEANS OF ACQUIRING EMERGENCY MATERIALS WHEN NECESSARY
 FZ600137 EXTRA FLIGHTS OUT OF HERE
 FZ600153 ONCE SCHOOLS ARE CLOSED FOR SHELTERS, DISTRIBUTE PERISHABLES; DON'T WASTE
 IL100277 SETASIDE \$ OR SUPPLIES FROM TELETHONS, FUND RAISING TO GIVE TO NEEDY EVACUEES
 IL100448 PORTABLE GENERATOR LOAN/BORROW/SELL.
 IL100470 I WANT MY FAMILY TO BE SAFE AND MY HOUSE HAS LOTS OF TREES.
 IL100824 PROVIDE SOME CARE FOR SHELTER IN HAWAII
 IL100840 VERY EXPENSIVE TO DO PREP-FIND OUT NOW WHO NEEDS HELP
 IL101102 SETUP PUBLIC WATER CENTERS, WHEN A HURRICANE IS COMING
 IL101284 TEN X TWELVE BRICK/COVERED BY DOME OF DIRT WITH CELLAR DOORS.
 IL101439 I THINK EVERYBODY NEED FINANCIAL HELP
 IL102184 RETAILERS SHOULD NOT TAKE BACK ITEMS PURCHASED FOR HURRICANES.
 IL102488 AS SEA LEVELS RISE, WE SHOULD NO LONGER ALLOW SHORE-SIDE DWELLING.
 IL200165 ADVANCE WARNING, SHELTERS.
 IL200338 MORE MONEY
 IL200454 NEED TO SETUP EMERGENCY PARTNERSHIPS W/CONSTRUCTION COMPANIES, ENG., ETC.
 IL200589 USE CONVERTED CONTAINERS MANUFACTURED HOMES FOR LOW INCOME
 IL200840 REQUIRE MINIMUM LAND ELEVATION FOR HOUSING
 IL200843 COUNTRY HOUSE POSSIBLE. MATSON CONTAINER VILLAGE.
 IL201201 REQUIRE ALL NEW CONSTRUCTION TO UNDERGROUND UTILITIES
 IL201204 MORE HOUSING, OUT OF INUNDATION ZONE, RESORTS TOO.
 IL201215 CHANGE LAWS TO MAKE RAIN CATCHMENT LEGAL. SUBSIDIZE WATER FILTERS
 IL300214 ACCESS TO HOTELS/OTHER ACCOMODATIONS; FOOD VOUCHERS FOR LOCAL RESTAURANTS
 IL300258 CONTAINERS ARE STRONG AND SAFE
 IL301142 VOLUNTEER DATABASE FOR SIGHNING UP TO PREPARE MEALS AND OTHER NEEDS
 IL301265 LET HOMELESS USE SHELTERS DURING NON EMERGENCY DATES
 IL301300 HAVE MILITARY SET UP TENT CITIES/COMPOUNDS
 IL400006 EARLY WARNINGS. BETTER SAFE THAN SORRY
 IL400272 SEE DOH PLAN TEN
 IL400330 HOSPITALS
 IL400439 MAKE HOUSING MORE AFFORDABLE

IL400475 POST HURRICANE TENTS, PORTABLE POTTIES, SHOWERS, WASHERS/DRYERS, RUBBER MATS
IL401045 STAY IN TOUCH WITH REC CROSS
IL401069 DON'T HAVE SUCH STRICT RULES DURING THE AFTERMATH
IL600070 NEED PLANS FOR CONSTRUCTING SECURE STORAGE CONTAINER FOR EMERGENCY SUPPLIES
IL600191 HAVE EVERYTHING READY AND OPEN

APPENDIX F: TABLES OF RESPONSES BY COASTAL AND INLAND SPLITS

Q1: How worried are you that there will be a hurricane in the next year that will cause major damage to your island?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Very worried	25	28	24	32	25	25	21
Somewhat worried	58	59	58	58	58	59	58
Not at all worried	17	14	18	11	17	16	20
No response	*	*	*	0	0	*	*
<i>Base (unweighted)</i>	2488	1349	1139	480	454	869	685

Q2: If a damaging hurricane were to strike your community how prepared are you and your family to take care of yourselves?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Very prepared	15	14	15	9	14	17	18
Somewhat prepared	61	64	61	67	60	62	61
Somewhat unprepared	19	19	18	21	19	18	15
Very unprepared	5	3	6	3	6	3	6
<i>Base (unweighted)</i>	2475	1343	1132	477	454	866	678

Q3: Do you think your home would be seriously damaged or destroyed by a hurricane striking your community?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Very likely	20	19	20	14	20	22	20
Somewhat likely	37	41	35	45	35	38	37
Somewhat unlikely	23	23	23	23	23	23	23
Very unlikely	13	9	14	8	14	10	13
Not sure	8	8	8	9	8	7	7
<i>Base (unweighted)</i>	2483	1346	1137	478	453	868	684

Q4: Why do you believe your home will be safe or unsafe in a hurricane?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Safe							
House built solid/safe room/prepared	21	18	22	16	23	19	20
Where the house is located	8	6	8	5	9	7	9
Live in high rise	6	1	7	3	8	0	2
Just feel safe/faith	3	4	3	4	3	4	3
Optimistic given past experience	2	3	2	1	2	4	3
Unsafe							
Where the house is located	14	11	15	10	14	12	17
Home not solidly built	13	15	12	16	12	14	10
House is old	11	12	10	10	10	13	11
Falling trees/flying debris cause damage/high winds	4	7	3	7	2	6	5
Hurricanes can destroy anything	3	2	3	2	3	2	3
Just feel unsafe	1	2	1	2	1	2	1
Pessimistic given past experience	0	0	0	0	0	1	0
Depends on the storm's severity/Not sure	4	4	4	5	4	4	4
No Response	18	21	17	24	17	18	16
<i>Base (unweighted)</i>	2483	1346	1137	478	453	868	684

Q5: Have you and your family planned what to do before a hurricane arrives?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Yes	71	71	71	66	70	75	73
No	24	24	24	29	24	21	23
Don't know	5	4	6	6	6	3	4
<i>Base (unweighted)</i>	2459	1334	1125	471	449	863	676

Q6: How long do you think you are able to take care of your family without any outside help . . . ?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
One day or less	3	3	3	4	3	3	4
A few days	31	28	32	30	33	27	28
Up to one week	37	38	36	41	36	36	37
Up to two weeks	19	21	19	17	19	24	20
More than two weeks	10	9	10	8	10	10	11
<i>Base (unweighted)</i>	2469	1340	1129	474	451	866	678

Q7: Given your current level of essential supplies (e.g. food, water, medicine) how long do you think you could take care of your family without any outside help?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Two days or less	9	7	10	6	10	7	8
Three to seven days	49	52	48	58	48	47	48
Eight to fourteen days	30	30	30	26	31	33	29
More than fourteen days	11	11	11	10	10	12	14
<i>Base (unweighted)</i>	2464	1336	1128	471	450	865	678

Q8: Emergency authorities advise that we have two weeks of essential supplies stored as preparation for a hurricane. If you don't have that level of essential supplies, why do you think you don't?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Not prepared now, but we will get everything before the event	52	57	51	57	51	57	51
No space in our house	31	25	33	31	35	20	26
Too Expensive to maintain that level	22	23	22	21	22	24	24
Don't think it's likely to occur	7	7	6	6	5	7	11
Don't know what we need	6	6	6	6	7	6	5
Expect government will bring help quickly	5	6	5	6	5	7	5
Don't believe these events are serious enough to justify the preparation	5	6	0	5	7	6	7
Other reasons	6	5	7	2	6	6	9
No response	2	3	2	3	1	3	2
<i>Base (unweighted)</i>	2068	1122	946	410	397	712	549

Q9: From where do you get most of your information about how to plan and prepare for a hurricane?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Television	75	79	73	85	75	74	68
Local radio	45	51	43	54	42	49	48
Newspaper	27	33	26	39	26	29	24
Government websites	24	21	25	18	24	24	28
Other websites or apps	22	21	22	19	21	23	25
Favebook and other social media	11	12	10	9	9	14	14
Your employer	9	8	9	9	10	7	6
Non-profit agencies, e.g. the Red Cross	5	6	5	5	5	7	5
Your neighborhood board or association	4	4	5	4	4	4	6
Preparedness fairs	3	4	3	4	3	4	3
Other	9	7	9	3	9	10	9
<i>Base (unweighted)</i>	2451	1333	1118	476	452	857	666

Q10: How do you keep informed about an approaching storm or hurricane?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Television	82	84	81	90	83	79	76
Local radio	52	57	50	59	50	55	50
Other websites or apps	28	26	29	23	28	28	34
Government websites	22	19	23	16	23	20	25
Emergency warning siren system	22	24	22	29	22	20	21
County emergency notification system	19	22	18	17	15	26	27
Word of mouth	10	11	10	10	9	12	12
Facebook and other social media	10	11	10	9	9	12	11
Your employer	7	6	7	6	8	5	3
Police	1	2	1	1	1	2	3
Other	4	3	4	3	5	4	4
<i>Base (unweighted)</i>	2474	1342	1132	475	451	867	681

Q11: If a hurricane was approaching your community, for each category of hurricane, please tell us whether you would stay at home, go to a public shelter or seek safe shelter elsewhere?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Category 1							
Stay at home	96	96	96	95	96	97	96
Go to a public shelter	2	2	1	3	1	1	1
Seek other types of Shelter	1	1	1	1	1	1	2
Don't know	1	1	2	1	2	1	1
<i>Base (unweighted)</i>	2235	1202	1033	424	411	778	622
Category 2							
Stay at home	88	89	88	88	88	90	91
Go to a public shelter	6	7	5	8	6	7	3
Seek other types of Shelter	4	3	5	3	5	3	5
Don't know	1	1	2	1	2	0	2
<i>Base (unweighted)</i>	2129	1135	994	403	393	732	601
Category 3							
Stay at home	68	71	67	70	68	71	66
Go to a public shelter	15	17	14	16	14	18	14
Seek other types of Shelter	13	9	14	10	14	7	15
Don't know	4	3	5	4	5	3	5
<i>Base (unweighted)</i>	2158	1155	1003	410	399	745	604
Category 4							
Stay at home	37	31	27	40	34	42	38
Go to a public shelter	29	33	30	32	30	30	25
Seek other types of Shelter	21	19	23	18	21	19	24
Don't know	13	16	20	10	14	10	13
<i>Base (unweighted)</i>	2172	1155	1017	410	406	745	611
Category 5							
Stay at home	28	31	27	32	27	31	27
Go to a public shelter	31	33	30	34	29	33	31
Seek other types of Shelter	22	19	23	19	23	19	23
Don't know	19	16	20	15	20	17	19
<i>Base (unweighted)</i>	2225	1195	1030	425	408	770	622

Q12: If emergency authorities recommended that you evacuate your home because of an approaching hurricane, how likely are you to evacuate?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)		(%)	(%)	(%)
Very likely to evacuate	48	47	49	48	50	45	46
Somewhat likely to evacuate	29	29	28	29	28	30	28
Somewhat unlikely to evacuate	11	12	11	11	11	13	13
Very unlikely to evacuate	8	8	8	8	8	9	9
Don't know	3	4	3	5	3	4	3
<i>Base (unweighted)</i>	2453	1334	1119	472	450	862	669

Q13: Once you make the decision to evacuate, how much time do you need to gather your critical belongings and evacuate your home?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
48 hours or more	7	9	6	11	6	9	6
24 to less than 48 hours	15	15	14	15	15	15	13
12 to less than 24 hours	14	16	13	17	13	16	15
6 to less than 12 hours	13	12	13	14	13	10	12
3 to less than 6 hours	18	16	18	15	19	17	17
1 to less than 3 hours	23	22	23	22	22	23	26
Less than 1 hour	12	8	13	6	13	10	13
<i>Base (unweighted)</i>	2418	1306	1112	467	445	839	667

Q14: How soon before a hurricane is scheduled to reach your community are you likely to go to the place you intend to shelter from the hurricane?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
48 hours or more	13	12	13	13	14	11	8
24 to less than 48 hours	19	21	19	24	19	19	19
12 to less than 24 hours	20	21	20	23	20	19	20
6 to less than 12 hours	22	19	23	16	23	21	21
3 to less than 6 hours	18	19	18	17	17	20	22
1 to less than 3 hours	7	9	7	7	6	10	9
Less than 1 hour	0	0	0	0	0	0	0
<i>Base (unweighted)</i>	2373	1287	1086	459	441	828	645

Q15: What would be the two most important factors in deciding whether or not to evacuate your home?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
The severity of the hurricane	73	71	73	73	73	70	73
Recommendation of the emergency authorities	45	44	45	46	46	44	42
The danger to my family	25	26	25	28	26	24	22
Whether I believe my home can withstand the hurricane	20	20	19	21	18	20	23
Past experience with a hurricane	8	7	8	5	7	9	10
The isolation of my home	0	1		1	0	1	1
The level of help from others in my community	1	1	1	1	0	1	1
Whether I can bring my pet with me	10	11	10	8	9	13	10
My level of preparedness at home	9	9	9	8	9	10	10
Other	1	1	1	1	1	1	0
<i>Base (unweighted)</i>	2442	1331	1111	473	446	858	665

Q16a: If you decided to evacuate and seek safe shelter from an approaching hurricane, where would you go?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
A public emergency shelter	39	48	36	44	36	51	38
A private school	3	3	2	4	2	2	2
A hotel/motel	7	5	7	4	7	5	7
The home of a friend or relative	32	26	34	28	34	23	32
A church/place of worship	3	3	3	3	4	3	3
A hospital	2	2	3	3	3	2	1
My workplace	5	3	5	3	5	4	6
I'm not sure	8	9	7	9	7	8	9
Other	2	2	2	1	2	2	2
<i>Base (unweighted)</i>	2436	1335	1101	480	443	855	658

Q16b: If your first choice was not available, what would be your second choice?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
A public emergency shelter	25	22	26	23	28	21	23
A private school	7	8	7	8	7	7	6
A hotel/motel	10	9	10	8	10	10	12
The home of a friend or relative	16	15	16	14	17	16	14
A church/place of worship	6	7	6	6	5	8	6
A hospital	5	5	5	6	5	4	5
My workplace	7	6	7	6	7	6	6
I'm not sure/no response	22	25	21	26	20	24	25
Other	2	3	2	2	2	4	3
<i>Base (unweighted)</i>	2419	1319	1100	484	456	835	644

1479

Q18: If you found that the services and supplies you expect to find at a public shelter were not available at the public shelter you went to, would you stay or would you seek other shelter? (Asked only of respondents who would go to a public shelter)

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Stay	32	35	31	35	31	35	32
Seek other shelter	35	35	35	37	35	34	37
Not sure	33	29	34	28	35	30	31
<i>Base (unweighted)</i>	1725	975	750	336	295	639	455

Q19: If a household member worked for a company that permitted sheltering at the workplace, would you prefer to shelter with that company or would you rather shelter at your preferred location that you indicated in Q16?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Workplace shelter	41	41	41	44	41	39	41
Currently preferred location	59	59	59	56	59	61	59
<i>Base (unweighted)</i>	2226	1210	1016	438	421	772	595

Q20: To what extent do you believe that State and County government authorities are prepared to respond to major hurricanes?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Very prepared	19	20	18	17	17	22	21
Somewhat prepared	56	56	56	57	56	55	55
Somewhat unprepared	17	17	16	19	16	16	16
Very unprepared	9	7	10	7	10	7	8
<i>Base (unweighted)</i>	2446	1329	1117	472	450	857	667

Q21: How would you get to where you intend to evacuate?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Personal vehicle	87	91	86	88	84	93	92
Walk	6	4	6	5	7	4	4
Bus/public transportation	4	3	5	4	5	1	1
Bicycle	1	0	1	1	1	0	0
Other	2	2	2	1	2	2	2
<i>Base (unweighted)</i>	2420	1318	1102	471	444	847	658

Q22: In general, how much confidence do you have in the ability of our emergency authorities to decide whether you need to evacuate?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
A great deal of confidence	28	30	27	28	26	31	33
Some confidence	58	56	58	57	60	56	52
Little confidence	11	11	10	13	10	10	13
No confidence at all	4	2	5	2	5	3	3
<i>Base (unweighted)</i>	2451	1335	1116	474	447	861	669

Q23: Do you think emergency authorities tend to call for evacuation more often than they should, less often than they should or about as often as they should?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
More often than they should	18	18	18	21	18	16	20
About as often as they should	79	79	78	76	79	82	76
Less often than they should	3	3	3	3	3	2	3
<i>Base (unweighted)</i>	2380	1299	1081	459	430	840	651

Q24: Is your home located in an area likely to flood in major storms?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Yes	22	7	27	6	29	7	21
No	62	83	55	81	51	85	69
I'm not sure	16	10	18	13	20	8	10
<i>Base (unweighted)</i>	2429	1318	1111	469	442	849	669

Q25: Has any part of your home been reinforced to withstand hurricane force winds?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Yes	36	35	37	32	36	37	40
No	36	39	35	37	36	40	33
I'm not sure	28	26	28	31	28	23	27
<i>Base (unweighted)</i>	2414	1313	1101	465	440	848	661

Q26: Does your home or housing complex have any of the following?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Emergency Generator							
Yes	28	28	28	25	30	31	22
No	62	65	61	65	58	66	69
Don't know	10	6	11	10	11	4	8
Base (unweighted)	2361	1279	1082	450	428	829	654
Water Catchment/Tank							
Yes	9	13	8	9	8	17	10
No	77	79	76	80	74	79	82
Don't know	14	7	16	12	18	4	8
Base (unweighted)	2311	1253	1058	442	422	811	636
Anchor Cables							
Yes	10	9	11	6	11	11	9
No	62	70	60	67	57	73	68
Don't know	27	21	30	27	32	16	23
Base (unweighted)	2282	1232	1050	438	418	794	632
Hurricanes Clips							
Yes	34	38	32	33	31	42	35
No	42	44	42	44	41	44	44
Don't know	24	18	26	23	28	15	21
Base (unweighted)	2363	1283	1080	450	428	833	652
Hurricanes Shutters							
Yes	7	0	7	3	8	6	6
No	80	1	78	82	76	88	86
Don't know	13	0	15	15	17	6	8
Base (unweighted)	2299	1242	1057	438	417	804	640

Q27: Emergency authorities are currently urging people to make changes to their homes to better protect them against major hurricanes, such as adding hurricane clips or adding a double wall to homes that are single wall constructed. This would allow people to take shelter in their home instead of evacuating. Are you willing to consider making such changes to your home?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Yes, definitely	28	30	27	30	28	31	27
Yes, maybe	33	35	32	37	33	33	30
No	21	19	21	18	20	19	24
I'm not sure	18	16	19	16	19	17	19
<i>Base (unweighted)</i>	2348	1284	1064	454	420	830	644

Q28: Would you be more likely to consider making improvements to your home if there were tax credits to help off-set some of the costs?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Yes, definitely	54	57	53	55	53	58	51
Yes, maybe	27	26	27	28	27	24	28
No	11	9	11	8	11	10	12
I'm not sure	9	9	9	8	10	9	9
<i>Base (unweighted)</i>	2365	1287	1078	453	425	834	653

Q29: Is there anything else the emergency authorities could do to encourage you to make changes to your home?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Provide low interest loans, grants/reduce property tax		20	16	20	15	18	20
Publish advice/provide workshops		12	15	14	16	11	12
Encourage condo asso. to make improvements; change their rules		6	8	11	9	2	7
Negotiate discounts with suppliers/stores/contractors		13	8	8	7	16	8
Inspect for free and make recommendations		9	8	8	7	10	10
Get insurance co. to reduce rates after improvements		*	1	0	1	*	1
Minimize permitting process		1	*	1	0	2	*
It's not my house; I rent		9	9	6	10	11	6
I've already made changes		2	1	3	1	2	2
Other		3	8	2	9	4	7
I have no ideas		26	27	26	26	25	27
<i>Base (unweighted)</i>							

Q30: Is your home owned by someone who lives there or do you rent your home?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Own	76	82	74	81	74	83	75
Rent	21	15	23	16	23	14	22
Some other arrangement	3	3	3	3	3	3	3
<i>Base (unweighted)</i>	2417	1316	1101	464	433	852	668

Q31: Have you received any information from your landlord as to what to do in case of major storms or weather emergencies?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
I own my own home	75	82	72	80	72	83	74
Yes, I've received information from my landlord	8	7	9	7	9	7	9
No, I have not received information from my landlord	17	12	19	13	19	10	18
<i>Base (unweighted)</i>	2400	1306	1094	457	437	849	657

Q32: What kind of housing unit do you live in?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
A single-family house standing alone	62	77	57	62	54	88	69
A duplex townhouse	9	9	9	16	10	4	5
A one-story apartment or condo building	3	2	3	2	2	2	4
An apartment or condo building with two or more stories	27	12	31	20	34	6	22
A dormitory	0	0	0	0	0	0	0
<i>Base (unweighted)</i>	2427	1321	1106	470	440	851	666

Q33: Approximately what year was your home built?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Before 1960	12	12	12	13	13	11	12
1960 to 1975	22	17	24	21	26	13	15
1976 to 1990	17	25	14	23	12	26	22
1991 to 2000	9	13	8	10	6	14	13
After 2000	18	15	19	9	19	19	20
Not sure/No data	22	19	23	23	24	16	18
<i>Base (unweighted)</i>	2488	1349	1139	480	454	869	685

Q34: How many people live in your household, including yourself?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
17 years or younger							
None	71	72	70	71	69	73	79
One	22	16	24	17	25	15	17
Two	4	9	3	8	3	9	0
Three or more	3	3	3	4	3	3	4
<i>Base (unweighted)</i>	128	60	68	24	32	36	36
18-59 years old							
None	91	44	66	33	67	53	64
One	30	43	26	47	25	39	32
Two	5	7	5	14	6	1	2
Three or more	3	3	2	6	3	6	2
<i>Base (unweighted)</i>	174	89	85	36	36	53	49
60 years or older							
None	23	19	25	17	24	21	26
One	60	69	57	69	56	70	61
Two	16	11	18	13	29	9	13
Three or more	0	1	0	1	0	1	0
<i>Base (unweighted)</i>	425	235	190	90	78	145	112

Q35: How many of your household members have special needs that require attention or assistance in case of a weather emergency?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
17 years or younger							
None	71	72	70	71	69	73	79
One	22	16	24	17	25	15	17
Two	4	9	3	8	3	9	0
Three or more	3	3	3	4	3	3	4
Base (unweighted)	128	60	68	24	32	36	36
18-59 years old							
None	61	44	66	33	67	53	64
One	30	43	26	47	25	39	32
Two	5	7	5	14	6	1	2
Three or more	3	5	2	6	3	6	2
Base (unweighted)	174	89	85	36	36	53	49
60 years or older							
None	23	19	25	17	24	21	26
One	60	69	57	69	56	70	61
Two	16	11	18	13	19	9	13
Three or more	1	1	0	1	0	1	0
Base (unweighted)	425	235	190	90	78	145	112

Q36: What type of assistance would these household members require? (Asked only of respondents with household members who have special needs)

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Transportation	37	34	39	34	38	33	40
ADA accessible accommodations	30	39	30	36	30	25	27
Caregiving assistance for daily living activities	26	34	24	30	22	38	27
Refrigeration for essential medication	18	20	18	20	20	19	12
Electricity for a medical device	16	19	15	20	14	19	16
Medical bed	5	10	3	13	3	8	6
Other	18	19	17	17	17	21	18
Base (unweighted)	443	248	195	96	76	152	119

Q37: Are you prepared to take care of your household members with special needs in case of a weather emergency? (Asked only of respondents with household members who have special needs)

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Yes, well prepared	29	33	27	31	24	33	36
Yes, somewhat prepared	55	55	55	57	57	52	49
Not at all prepared	16	13	18	11	18	14	15
<i>Base (unweighted)</i>	563	315	248	115	98	200	150

Q38: How many pets does your household have?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
No pets	47	43	49	52	51	36	43
One	25	25	26	22	26	27	25
Two	12	15	11	14	10	15	14
Three or more	15	18	14	12	13	23	18
<i>Base (unweighted)</i>	2133	1167	966	402	385	765	581

Q39: What would you do with your pets if you had to evacuate? (Asked only of respondents with pets)

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Take them with me	76	72	78	74	80	70	73
Leave them at home	6	9	6	7	4	10	10
Leave them with family or friends	1	0	1	0	1	0	1
Stay home with them	8	9	8	7	7	10	9
I don't know	8	10	8	12	7	9	8
<i>Base (unweighted)</i>	1295	727	568	214	202	513	366

Q40: If a public shelter could accommodate your pet, would you be more inclined to go to a public shelter in the face of a hurricane, or would it not make any difference? *(Asked only of respondents with pets)*

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
I would be more inclined to go to a shelter	66	63	67	67	68	61	65
It would make no difference	34	37	33	33	33	39	35
<i>Base (unweighted)</i>	1280	714	566	206	200	508	366

Q41: If a public shelter kept your pet in a different area within the shelter than where you are staying, would you be more inclined to seek shelter elsewhere in the face of a hurricane, or would it not make any difference? *(Asked only of respondents with pets)*

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
I would be more inclined to seek shelter elsewhere	52	50	53	50	53	50	54
It would make no difference	48	50	47	50	47	50	446
<i>Base (unweighted)</i>	1258	705	553	208	196	497	357

Q42: What is your age in years at your last birthday?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Under 25	1	0	1	1	1	0	1
25 to 34	5	3	5	3	6	3	3
35 to 44	8	6	8	6	8	6	7
45 to 54	14	11	15	11	16	11	10
55 to 64	26	26	26	25	25	27	27
65 to 74	30	33	29	30	27	35	34
75 or older	17	21	16	24	16	18	18
<i>Base (unweighted)</i>	2401	1313	1088	466	431	847	657

Q43: How many years have you lived in Hawaii

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
5 Years or Less	11	7	12	4	12	10	14
6 to 10 Years	7	5	7	2	6	7	10
11 to 20 Years	10	10	10	5	8	14	18
21 to 40 Years	22	20	23	21	23	20	24
41 to 60 Years	26	25	26	29	29	22	17
61 to 80 Years	20	27	18	32	19	23	15
Over 80 Years	4	6	3	9	4	4	2
<i>Base (unweighted)</i>	2382	1298	1084	457	432	841	652

Q44: Which of the following best describes your annual household income from all sources before taxes in 2017?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Less than \$25,000	9	13	8	7	7	17	13
\$25,000 to less than \$40,000	13	16	12	13	11	18	15
\$40,000 to less than \$70,000	19	22	18	23	18	22	21
\$70,000 to less than \$100,000	18	17	18	19	18	15	17
\$100,000 to less than \$150,000	18	14	19	18	20	11	14
\$150,000 or more	15	10	17	12	18	9	13
I'm not sure	8	8	8	8	8	8	7
<i>Base (unweighted)</i>	2303	1252	1051	445	421	807	630

Q45: What is your current employment status?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Employed full-time	44	37	46	41	49	35	37
Employed part-time	9	8	9	6	8	9	11
Unemployed	2	2	2	1	2	3	3
Retired	41	49	38	48	8	50	47
Military	1	0	1	1	2	0	0
Student	0	0	0	1	0	0	0
Homemaker	3	3	3	3	3	3	2
<i>Base (unweighted)</i>	2405	1315	1090	467	434	848	656

Q46: Do you have any ideas as to how emergency authorities can help you and your family better prepare for a hurricane?

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Yes, ideas provided	16	16	16	17	17	16	15
No, I have no ideas	84	84	84	83	83	84	85
<i>Base (unweighted)</i>	1952	1080	872	379	350	701	522

Q47: Finally, do you have any ideas you would like to share regarding sheltering Hawaii's families? All ideas are welcome.

	State	State		Oahu		Neighbor Islands	
	Total	Inland	Coastal	Inland	Coastal	Inland	Coastal
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Yes, ideas provided	14	13	15	13	15	13	13
No, I have no idea	86	87	85	87	85	87	87
<i>Base (unweighted)</i>	1918	1066	852	381	343	685	509