



The Socio-economic Impact of the Cost of Extreme Weather Events On Women In Antigua And Barbuda

Rational for the Adaptation Fund project design as the Fund serves the Paris Agreement


The socio-economic impacts of Climate change related are increasing

- > 30% of the families in Antigua and Barbuda are single parent female headed homes
- 30% of homes have insurance
- 70% of home without insurance are dependent on friend and family for disaster recovery assistance

70% of home owners in some of the poorest communities are impacted during flood events

Average Households in Antigua and Barbuda spends 40% of monthly income (>USD 800) on recovery after a climate-related disaster even if they did not receive direct damage

Families have experienced over 5 such events since 2017



The increase in frequency and cost of climate-related events are widening the socio-economic and gender disparity gaps

Transactional sex appears to be on the rise for single parent female headed households

Boys are dropping out of school to find work to assist their single parent mothers

Stress and strain in the home can lead to violence between adults, and towards the children in the home

The ability to support elderly parents is diminished within families

Women are becoming more vulnerable

- since they rely on income of men to support their families, opportunities for violence against women and their families are increasing

FEMALES ENGAGE IN GREATER LEVEL OF DISASTER PREPAREDNESS

- Persons indicate that they pay on average **XCD \$5,489.20 per year** on disaster preparedness during the hurricane season (June – November)
- Women on average pay over \$800 more than their male counterparts on disaster preparedness

DISASTER PREPAREDNESS COSTS

SEX	Disaster Preparedness Materials for homes to be resilient (shutters, tapes for windows, roof, etc)	Disaster preparedness - drainage	Disaster preparedness equipment - e.g. flashlights	Disaster Preparedness - Food	Disaster Preparedness - Clothes	Disaster Preparedness - Transport	Disaster Preparedness -Debt repayments	Disaster Preparedness - Other essentials
FEMALE	3629.87	199.47	152.79	504.65	568.14	99.59	730.01	13.35
MALE	2539.84	191.76	156.47	436.44	331.34	112.27	1034.23	48.77
AVERAGE INDIVIDUAL	3207.07	196.49	154.22	477.73	477.01	104.51	845.14	27.03

WOMEN ARE MORE AFFECTED BY CLIMATE RELATED DISASTERS

- Combined, respondents pay on average XCD \$2,068 per year on post-disaster relief
- Women on average paid over \$1,000 more than male counterparts for post disaster recovery after hurricane Irma/Maria

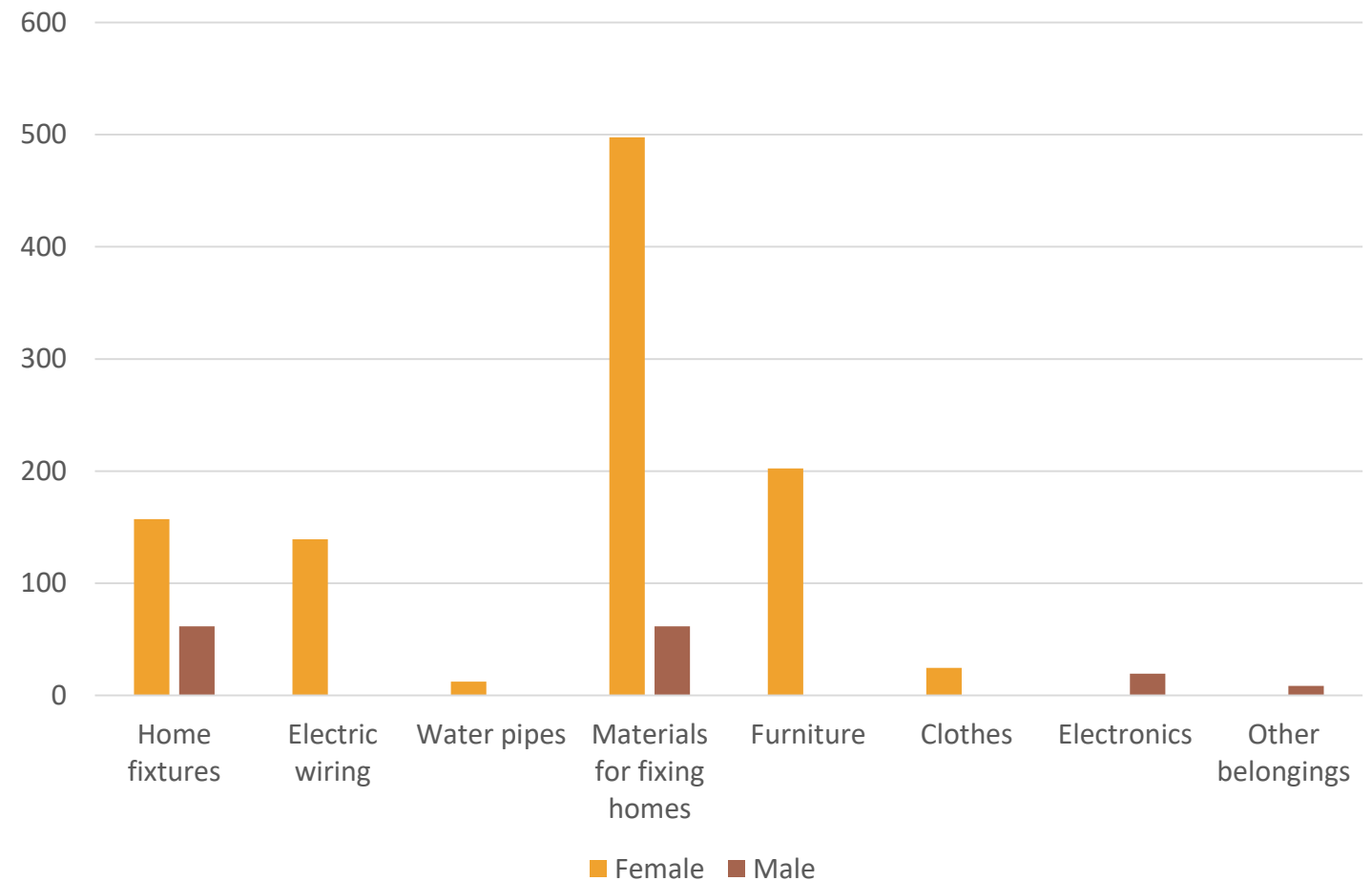
Table 2 Cost of post-disaster recovery

Recovery Costs Post Hurricane Irma and Maria								
Sex	Post Disaster - Home fixtures	Replacing electric wiring	Replacing water pipes	Importing/buying materials for fixing homes	Replacing Furniture	Replacing Clothes	Replacing electronics	Replacing other belongings
Female	168.70	160.44	86.52	2075.46	126.81	34.78	136.52	0.00
Male	277.63	54.67	32.00	705.33	133.33	13.51	128.29	2.78

Flood Damage costs are disproportionately affecting women

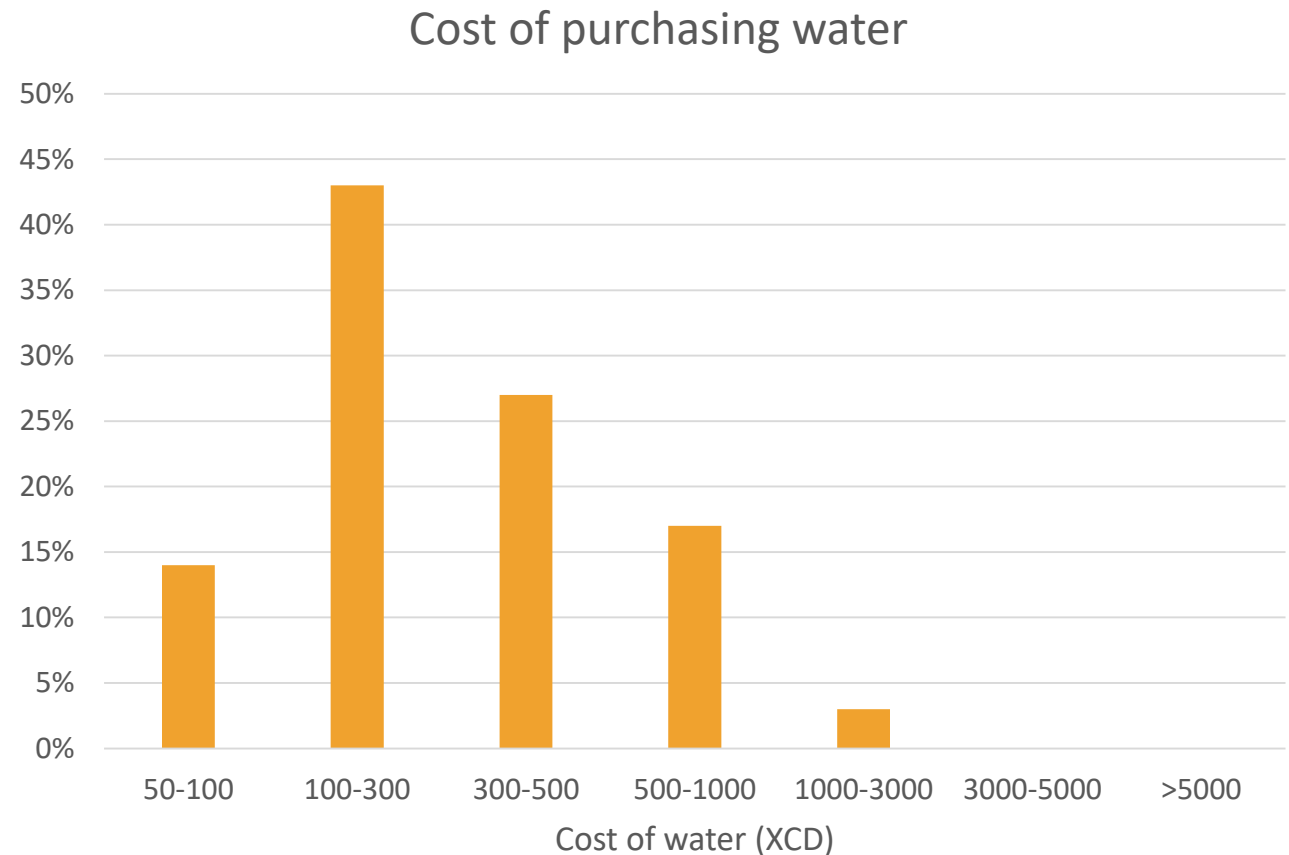
- 16% of persons indicated that they had experienced flooding
 - Statistics do not account for recent floods which had nationwide effects
- Following flood events, persons indicated they paid around XCD\$ 819.75 on flooding damages
- Women indicating that they pay over \$800 in damages more than their male counterparts

Costs related to repairing or replacing items after flooding



DROUGHT CONDITIONS CAN INCREASE HOUSEHOLD SPENDING BY \$300 - \$900 PER MONTH

- During the severe drought period of 2013 – 2018, persons indicated that they had to purchase water at least 2 - 3 times
- Cost for water ranged between between \$100- \$300 each purchase
- Households could pay \$300 - \$900 a month for water for domestic purposes due to water shortages at home during the drought



Benefits of the AF project for Antigua and Barbuda

Community resilience approach

- Reduced impacts of flooding
- Improve resilience in homes
- Low cost concessional financing especially for women headed households

Financing allowing for parametric based payment forgiveness to allow spending on disaster readiness

- Identification of technologies that are user friendly and cost appropriate for women
- Training of the community to maintain the project outputs (just transition of the community workforce)



Thank you and Stay Safe