

## **Presentation on key findings of the Household Socio-Economic and Energy Use Survey, Bartica**

September 12, 2018

TCG office, Georgetown

Presentations on general data findings and energy consumption & potential savings were delivered by Troy Thomas and Ana Fuentes respectively.

### Comments/Questions

- For those respondents who indicated they are considering getting a generator is it tied to income? Can the data be analysed to show this as well as the type of generator by income bracket. (OCC)
- The lack of knowledge re energy efficient products may be tied to education. Can the data be analysed to show this? Awareness campaign using new ideas/ can be developed(OCC)
- Could the locations recording high blackout be clustered on boundary map for GPL to identify any issues/problem areas in the electricity system (GPL)
- Could income be matched to energy use and projection of anticipated energy demand shown? Household size, highest level of education and how this links to key variables. (OCC)
- Was there any data on University graduates living outside of Bartica supporting household? (OCC)  
[Response: This was not recorded.](#)
- Could the data show the link between conservation education and age? This will help in crafting appropriate messages. (GEA)
- For appliances that are 10 years and under can it be investigated how many are larger appliances? (GPL)
- Was data on the type of material of houses collected? Concrete vs. wooden (OCC)  
[Response: Type of material of house was not recorded.](#)
- Was cost of implementing recommendations considered?  
[Response: Several costs were included but these can change in the future.](#)
- Recommendations can be made for different types of houses. Was passive structure considered? (OCC)  
[Response: Passive structure was not incorporated as this is not suitable for Guyana.](#)
- As Bartica is a fairly new town there will be the opportunity to design energy efficient homes. Building codes can be developed to ensure implementation. (OCC)

- Did analysis include businesses attached to homes? (GEA)  
Response: A small sample of businesses were surveyed and will be analysed for the final report.
- Could the data be analysed to show income and preference to solar ?

	Name	Designation	Organisation
1	Karen Roopchand	Project Coordinator - Community Infrastructure Improvement Project	Ministry of Communities
2	Cornell Campbell-Andries	Economic & Financial Analyst	Ministry of Finance
3	Amir Dillawar	Project Officer	Guyana Power & Light Inc.
4	Shevon Wood	Head of Energy and Energy Statistics Division	Guyana Energy Agency
5	Marciano Glasgow	Project Officer	IDAD
6	Gavin Bovell	TNES Project Manager	Office of Climate Change
7	Juanita Thomas	Project Assistant	Office of Climate Change
8	Ana Fuentes	Consultant	The Consultancy Group
9	Troy Thomas	Consultant	The Consultancy Group
10	Lenandlar Singh	Consultant	The Consultancy Group

- Are the responses to using up our energy supplies too fast in reference to prepaid metres? How are respondents measuring this?  
Response: This can be either be interpreted as a world view or their home.
- What are the appliances in their homes that consume more electricity? Knowing this would aid in crafting messages to educate the community. Stores that sell appliances can be targeted to stock energy efficient appliances which would increase public awareness.
- The lower level of income can be linked to large number of respondents indicating income from the Public sector.
- It is interesting that a small number indicated that income is from agriculture, this does not seem to be representative of Bartica.  
Response: The question asked for main contributor of income, while persons may be involved in agriculture it may not be the main source of income.
- The Bureau of Statistics Bartica population figure of 8004 seems low. It should be 15,000 plus for Bartica and its environs. How would this affect the sample if it was calculated for 8004? .  
Response: The difference in population would not affect the sample much as for every one thousand additional the sample would increase by a very small amount.
- How do we see income level for households matching those who indicated they use as much energy as they want?
- Rooms not properly sealed can have seepages of cold air (Air conditioning) increasing energy consumption. Can the seepages be calculated? Response: The survey did not assess rooms or collect data on the building layout to allow for this. However, general advice for air conditioning and rooms can be made in the final report.
- Retrofitting a cavity wall may be difficult and costly. Best scenario/recommendation where a building is already standing e.g. eave overhang, shade should be included.
- CO2 emissions for the community should be calculated.  
The carbon footprint per household per month could be printed on electricity bills.

## Attendees

	Name	Designation	Organisation	Contact Number
1	Kenneth Williams	Councillor	Bartica Town Council	455-2725
2	H. Allicock	Councillor	Bartica Town Council	665-8932
3	Nageshwari Lochanprasad	Deputy Mayor	Bartica Town Council	608-1455
4	Chandra Desrey	Organisation Secretary		455-2808
5	Khemraj Shibnan	Police	Guyana Police Force	455-2241/645-2669
6	Eion Williams			455-2725
7	Deborah Browne	Councillor	Bartica Town Council	689-5158/616-9221
8	Phebe Wallerson	Town Clerk	Bartica Town Council	455-2229
9	Gavin Bovell	TNES Project Manager	Office of Climate Change	
10	Juanita Thomas	Project Assistant	Office of Climate Change	
11	Ana Fuentes	Consultant	The Consultancy Group	
12	Troy Thomas	Consultant	The Consultancy Group	