

Research materials for

Assessing the awareness and adoptability of pellet cookstoves for low-income households in Lusaka, Zambia

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1: Households' interview guide

My name is and I am a Masters student at conducting a research on the provision and uptake of energy households in (Matero Compound) Lusaka. The information you are going to give me is for academic use only and not any other purpose and it will also provide relevant insights to policy makers. I will therefore be grateful for about 1 hour of your time to conduct this interview with you. Your answers will be kept strictly confidential and never associated with your name. During the interview, you are free to opt out should you feel uncomfortable to answer questions. You can also choose not to answer specific questions. Are you ready to start?

1. What is the common source of energy you use in your household?
a. wood b. charcoal c. kerosene d. electricity e. several sources e.g wood and charcoal f. gas g. Paraffin
2. For how long have you been using this mode of source of energy?
3. What would you say are the advantages of using that source of energy from your experience?
4. What would you say are the disadvantages of using that source of energy from your experience?
5. If the answer from question 2 above is charcoal, for how long have you been cooking using it?
6. What is your main source of charcoal?
a. charcoal vendor b. charcoal producer c. market
7. Why do you use charcoal as a source of energy?
a. due to price b. convenient to use c. reliable d. availability
8. What is your experience with charcoal usage? Do you encounter any problems with it? Please describe the problems?
9. Are you bothered by the smoke from charcoal?
10. Have you ever used any other source of fuel for cooking other than charcoal? Please mention these energy sources.
a. If so what was it and how did you find its usage? Comparatively to charcoal?
11. Do you know about the new stoves that do not require the use of charcoal but pellets?
a. If yes, how did you know about them?
b. Have you used them before?
b. If yes, how do you find the use of the pellets cook stoves and do you appreciate them?
c. How do you find their usage compared to charcoal?
d. If not, would you use them if they were made available to you?
12. Have you received any information/ communication from the council on pellets cook stoves?

13. How did you find the communication and sensitization strategy from the council?
14. How did you feel about these strategies and policies?
15. What are the general attitudes and perceptions of households of the improved cook pellet stoves and how might they influence their adoption process?
16. Is your house connected to the national electricity grid?
17. Are you using electricity for cooking?
 - a. If yes how do you find its usage? Is it affordable, expensive?
18. Which one do you find affordable between electricity and charcoal as a source of energy and why?
19. If electricity tariff plan was reduced would you prefer to cook on electrical stoves?
20. What would motivate you to use the improved pelletised stoves as opposed to charcoal brazier?
21. What are the most important considerations when you select energy fuel?
22. Are energy costs important to you?
23. Have the energy costs increased in the recent years?
24. What are the barriers for starting to use the pellets cook stoves?

2: Interview guide for key informants, Energy and Forestry Departments and Lusaka City Council

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1. What policy instruments has government crafted with regard to dissemination, sensitization and communication strategies of deforestation and the new cook stoves?
2. Since when have they been in place and would you say they have been progressive or not in attaining the objective?
 - a. If not, why would you think has been the cause for not reaching the goal?
3. Is policy dissemination and sensitization/ communication on new cook stoves sufficient to households? Why do you say/ think so?
 - a. How does the community view of these strategies and policies?
4. Are the government policies and strategies currently being implemented appropriate for households to switch to alternative energy fuels?
5. How do these policies shape opportunities or create challenges for households in their energy use?
6. What policy incentives has government put up for low income households in order to switch to new cook stoves?
 - a. If not, what suggestions do you think you can make on policy incentives which government can give to low income households in order to switch to new cook stoves?
7. What alternatives could be provided to the charcoal value chain to curb the current unsustainable charcoal production/ deforestation?
8. What options does the government have for the entire value chain of charcoal production in order to support their livelihood?
9. Does Forestry and Energy department have any policy synergies driven by deforestation due to charcoal demand?
 - a. If so what kind of synergies do they have?
10. Is it possible to reduce electricity tariffs for low income households to enable them cook using electricity?
 - a. If yes, what do you think it would take to reduce the tariffs for low income households?
 - b. What effect would that have on the government and Zambia electricity supply corporation (Zambia's only electricity utility company)?
11. Who has the government helped promote the use of new cooking stoves?
12. Are there any incentives that the government has put in place for those making or importing new cook stove?
 - a. If so, how - in your view - has that helped curb on the use of charcoal and deforestation?
 - b. and has it affected the local tin smiths that make the braziers/ mbabula?
 - c. How do you think it has affected them?
13. What challenges do households have in relation to their current cooking solutions and the options available to them (new cook stoves)?
14. What are the general attitudes and perceptions of households of the emerging cooking solutions and how might they influence their adoption process?

15. Would you say the fight against deforestation as well as environmental degradation through use of charcoal is being won, if so, how and why?

16. What are the main goals for policies related to household energy?