

## ***Interactive comment on “How much are households willing to contribute to the cost recovery of drinking water supply? Results from a household survey” by S. Tarfasa***

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How much are households willing to contribute to the cost recovery of drinking water supply? Results from a household survey, by S. Tarfasa.

The paper describes a method to measure the willingness to pay for an extra day of delivery per week and safer water in a developing country like Ethiopia. The paper is well structured, the method appears to be thorough, the results are significant, so the conclusions can be made as has been done.

C313

Detailed comments P 226, line 15. ‘averting behaviour and expenditures’. Refers to p 233 line 3. I don’t understand which behaviour and/or expenditures and what do you mean with ‘avert’ in this context. Please rephrase and elaborate.

P 226, line 19. Add reference.

P226 line 19-23. Rephrase (skip ‘there’ and change order) and be more specific. What level are the investments, what is the tariff now, what do you mean by ‘lack of pipes and meters among other facilities’. Is money the problem, or availability of hardware at all?

P 226 line 25. ‘It is expected that 44% [...] could be provided’. I assume it is expected, but more important wanted, that 100% of the costs of the drinking water supply are paid by the citizens/customers. So why expect 44%? Is it the actual situation? Or the short term objective of a development program? Add reference.

P227 line 7. Be consequent about the scope of your paper. Is it developing countries (and Ethiopia as an example/case) as is mentioned here, or is it Ethiopia as mentioned in the rest of the paper? ‘country’s’ should be ‘countries’.

P227 line 13. The word ‘attribute’ is used several times in this paper. In par 2.3 line 17/18 examples of attributes are given, that is too late for good understanding. Specify attribute in this first situation and give some examples here.

P227 line 14-18. Sentence is too long.

P227 line 8, line 15, line 22. For a layman in the field of customer survey methods, (and realizing that references have been given), can you provide some characteristics and the differences between SP, CM and SPCM? Add some words, a Table of a figure to give insight in the core of the methods.

P227 line 26-28. I don’t understand what you want to say here. Elaborate or skip.

P228 Eq 1 and Eq 2. Is  $\eta$  in Eq 1 the same as  $\beta_0$  in Eq2? If so, use either  $\eta$  or  $\beta_0$ .

C314

P228 line 16, 'z' should be in capital.

P228 line 19, 'follow' should be 'follows'. 'IID extreme value distribution of type I', add some words to explain what this distribution is. If not possible, why not use a more common distribution for the error, like normal or gaussian. If correct, move the reference (Revelt and Train 1998) forwards, after 'type I'.

P228 line 23. Before 'Even', add 'But, '.

P229 line 5, before 'Zn', add 'Z1 to'.

P229 line 8, 's' should be in capital.

P229 line 11-13, first replace 'This' by 'The compensating surplus (CS)' and then move this complete sentence to the start of the paragraph.

P230 line 7. Eq 3 suggests that the complete difference between V0 and V1 can be assigned to the monetary attribute. Is this valid?

P230 line 17 and 18. I suggest you replace (1) (2) and (3) by i) ii) iii), to limit confusing with the other number between brackets.

P230 line 18. 'Dummy' should be 'existing situation' (or something like that). Also in Table 1, P237.

P230 line 19. 'Table 2' should be 'Table 1'.

P231 line 8, 170, while the number of respondents is  $145+16=161$ . Correct (or explain).

P231 line 15. Explain what private compounds are in this context (one family in a house?).

P231 line 18. Why not split in other characteristics, like age, etc. Explain what enumerators are in this context (interviewers?).

P231 line 22. Add: 'The sample characteristics are shown in Table 2.'

C315

P231 line 23. '5' should be '5.6' or '6', based on Table 2.

P232 line 2. Add a reference.

P232, line 5.  $100/5 = 20$ , not 25.  $100/5.6 = 18$ .

P232, line 8. 'result [...] is' should be 'results [...] are'. Remove the last 'the'.

P232, line 11. 'result [...] shows' should be 'results [...] show'.

P232 line 13. 'Utility of the households'. If the use of drinking water is meant, use this description (be specific if possible).

P233 line 1. First you mention lower use with increasing price, now the willingness to pay more for improved levels of service. Are you sure use decreases with increasing prices?

P233 line 6-8, this is a conclusion, move to conclusion paragraph. Can the results be specified for the three areas under investigation?

P233 line 25. Can you give rough estimations of the expected needed investments to increase the water quality as described (no boiling) and higher reliability of delivery (+1 extra day)?

P234, line 7. Replace 'plan in' by 'of'.

P234, line 8-12. Too long sentence.

P237. Make the order more logic. The first alternative (second column) should be Status Quo, the third column should be Policy option 2, the fourth Policy option. And then, rename 'Policy option 2' to 'Policy option 1' and 'Policy option 1' to 'Policy option 2'

P239. Why use 3 \*\*\* (one \* in enough).

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