

***Interactive comment on* “Balancing energy and environmental concerns: the case of the Kayraktepe dam, Turkey” by Ö. Sever et al.**

Anonymous Referee #2

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While this paper is of interest, it does not present data and information in a way that is useful to a reader without intimate knowledge of the project. It also does not present data in a way where there can be any verification of the conclusions that have been made. Essentially, it does not follow the standard scientific method and for this reason should not be published.

Specific comments: Page - Line Comment

11771-17 It is inappropriate to refer to the “infamous” WCD report. This is a subjective judgement.

11771-20 It is unnecessary to state that this was the “biggest” victory for NGOs etc.

Rather the positive or negative scientific issues should be stated. The above two statements suggest that the authors are biased for or against dams and/or NGOs, which taints any objectivity that they could have had.

11771-23 It would be good to have a reference to the fact that Turkey objected to the WCD report.

11772-1 What is the meaning of “liberalised”? Again, this implies a strong bias on the part of the authors.

11772 The first paragraph of this page does not make sense and needs to be re-written. What is the message?

11774 First paragraph – this paragraph characterises much of the paper as the description is poor and the reader is left with little understanding of the situation. For example, the sentence “The basic idea. . .” assumes that the reader knows the background to the project as it does not describe the situation in a way suitable for a new-comer. This tendency is common in the paper and makes it difficult to interpret.

11775-14 In the same vein as the comment above, the Mut Dam is introduced to the discussion with no preparation, as though the reader is already informed about its background and role in the system. This makes it very difficult to interpret the flood control functions of the dams.

11776-7 Again the Mut Dam is introduced to play a major role in the flood routing of the Kayraktepe Dam reducing the flood volume dramatically, but with no indication of how this was achieved. Because of this the description of the performance of all the dams in this system is not systematic and is difficult to interpret.

11778-15 The discussion around the flushing of sediment from the dams is inadequate. While results using Basson are provided, there is no adequate explanation of what these mean or how they are interpreted.

11779-7 Contrary to what is stated, there is no discussion about balancing energy and

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environment concerns.

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