

Interactive comment on “WaterMet²: a tool for integrated analysis of sustainability-based performance of urban water systems” by K. Behzadian et al.

K. Behzadian et al.

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Reply to referee #2 comments

Comment #1: The paper presents a really interesting and promising tool ... The description of the methodology, despite being clear, is very concise; a few more details would have been appreciated. Likewise, it would be nice to have a few more details about the calibration of the WaterMet2 model of Oslo water system, reported in the case study section? Reply: Thank you for the comment. The methodology and model calibration were described in more detail in the revised paper. Please note the added text in pages 3-6.

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Comment#2: ... Of course, being conceptual and mass balance based, the model cannot describe phenomena whose description would require the execution of hydraulic simulations (such as the dependence of leakages in water distribution systems on nodal pressures) and thus it requires specific assumptions to be made? Reply: We agree and thank you for raising this point. This issue was clarified in the revised paper. Please note the added text in page 5.

Comment #3: Minor technical observations: - Please add the meaning of WTW acronym at page 4, line 25 (even if the meaning is clear). - Please add the meaning of WWTW acronym at page 5, line 10 (even if the meaning is clear). - Please add WTW acronym and meaning in Fig. 1 caption. - Please complete Fig. 2 caption with all model elements' acronyms and meanings. The STO element is missing in the figure. - Please review line 25 and 27, page 11, to emend typing errors. Reply: We agree - all requested corrections and typing errors were implemented as advised above.

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