

From: [Andrew Springett](#)
To: [Andrew Springett](#)
Subject: Doc 4.19: FW: TPM CBA
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Attachments: [image003.jpg](#)

From: Doug Watt
Sent: Tuesday, 2 July 2019 3:09 PM
To: Rob Bernau; Jean-Pierre de Raad; Tim Sparks
Cc: Rory Blundell; Roger Miller; Julia Hall
Subject: TPM CBA

Hi.

Just wrapping up what we have done on the TPM CBA.

We checked to the end of the welfare calculation in the central scenario that we were working on. The welfare calculation was the CV calculation because we didn't find out that CS was being used until the 6 June Board meeting and we needed to work through one continuous scenario rather than chop between them.

We found nothing significant and raised all the issues we did find with John. These were sometimes arithmetic errors, and sometimes questions. But as I say, they didn't make much difference hence we found nothing significant. I didn't circle back with John as I indicated in the steering group meeting, so left it to him to change the code or not as he saw fit.

We then looked at the output data that related to the power system. We did a lot of work comparing things like demand and generation, to ensure that the model wasn't predicting unrealistic outcomes. We found one issue that was significant which was how energy flowing to and from batteries (the archetypal DG in the model) was accounted for. We raised this with John along with a set of minor issues.

Once we get the final run, we'll repeat the analysis of outputs, and we will take a look at the CS calculation.

We'll file all our material in the places set out by Jo in her email from the 28th.

Doug

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