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| **Cadent Final Determination** | | | |
| **FDQ Query** | | | |
|  | | **SQ Reference number** | CADENT\_FDQ\_ 7 | |
|  | | **Priority** | High - Technical Error | |
|  | | **Document Name** | FD modelling suite | |
|  | | **Topic/Activity:** | Modelling | |
|  | | **Question:** | We are unable to replicate the results of the final determination using the published models or the models placed on huddle, using the global control file and do files. This query sets out the issues we have found.  1. We have run both the models on huddle and the models published on Ofgem’s website and while we are successfully able to run the both the “huddle models” and “website models”, we get different results in each, and neither reflect the allowances in the published documents, nor the published version of the model i.e. in file “Allowances\_File\_GD\_noRPEs”, sheet “Out\_Allow”. (We note that, prior to running the “website models” and “huddle models”, the “Out\_Allow” tab in the allowances file was identical in the huddle version and in the website version.)  2. With regard to the “website models”, we understand that the published set of files is only a subset of the full model, with a number of files and sheets missing compared to the Huddle version, for instance within file “Allowances\_File\_GD\_noRPEs.xlsx”, the sheet ”Out\_Disag” is included in the file published on Huddle, but not in the file available on the Ofgem website. Therefore, to run the “website models”, we have edited the “global control” file from Huddle so that it can run the subset of files available on the Ofgem website. Specifically, we set column F in sheet “Link” to “No” for any files which were missing from the subset, for both the pre-stata and post-stata stages of the model. Can you confirm whether this approach is correct, or provide further information on how to edit the global control file to run the “website models”  3) With regard to the “huddle models”, we have used the global control file and do file as provided on huddle, and are still unable to replicate the final determination results  Through out modelling attempts, we have identified a particular problem with some files on Huddle, where there are inconsistencies with “input sheets” in intermediate files which should reflect “output” sheets from earlier in the modelling infrastructure, but are not. For example, in file “GD2\_RepexVolumesHubModel”, sheet “Out\_RepexVolumesAdd” the values in rows 279 to 285 (relating to NGN) are not the same as the values reported in the corresponding input sheet in file “GD2\_SyntheticCosts”, sheet “Inp\_RepexVolumesAgg”, which we believe should be identical. We think this indicates one or more models on huddle may be the incorrect version.  Could you confirm that the versions of the models on huddle are the ones used in the final determination and provide the correct versions as necessary.  Given this is a complex suite of models, we are open for a 1-1 modelling call to ensure understanding of the model issues and how we can run them and get same results. If so can you contact either  Emma Howard, <emma.howard@nera.com>  or Kate Haycock <[kate.haycock@cadentgas.com](mailto:kate.haycock@cadentgas.com)> | |
|  | | **Confidential** | No | |
|  | | **FDQ raised by** | Kate Haycock | |
|  | | **Date Sent** | 15/12/2020 | |
|  | | **Response Due Date** | 16/12/2020 | |
|  | | **Attachments:** | | |
|  | | **Response to Cadent:**   * 1. In the first instance, please can you upload a zip file containing your model run (ideally both your Huddle and website runs, but as a minimum the Huddle run) to the same Huddle directory we used to share our models to help us troubleshoot. * 3. Our FD is based on the version of the model we published and shared with GDNs. | | |