

Enbridge #20

INTERROGATORY

Ref: Econometric Cost Model and Productivity Differential

Issue Number:
Issue:

Please provide all computer code, spreadsheets, data and other work papers relied upon in the March 30, 2007 report "Price Cap Index Design for Ontario's Natural Gas Utilities." The provided materials should be sufficient to replicate all results reported or discussed in the March 30, 2007 report. Please provide materials in usable electronic format. The response should include but not be limited to:

- a. All data on U.S. utilities either used or considered for the March 30, 2007 report.
- b. All data on Union or EGDl either used or considered for the March 30, 2007 report.
- c. The model used to weather-normalize U.S. residential and commercial volumes, and Union and EGDl's residential and commercial volumes.
- d. The econometric cost model.
- e. The model, computer code or spreadsheet used to calculate input price differentials.
- f. The model, computer code and/or spreadsheets used to calculate capital cost under both the GD and COS methodologies.

RESPONSE

The information provided below supplements that provided in response to question 2 in order to produce results from the March report.

- a) Please see section 3.1.1 of the working papers provided in response to question 2.
- b) Please see the attached file EGD-20 March Ontario Data.zip

Witness: Mark Lowry

- c) Please see the attached file "EGD-20 March econometric wp.zip". The model used to weather normalize U.S. residential and commercial volumes is wAdjout.txt, and it is generated by the code wAdjprg.txt using the data weathernorm2.xls. The weather normalized values for the U.S. companies are in wAdj.xls. The models, data and results for the weather normalization of EGD's and Union's deliveries are found in the file March 20 weather norm.xls.
- d) Please see the attached file "EGD-20 March econometric wp.zip". The data used in the econometric work for the March 30, 2007 report is oebgas5.xls, which can be found in section 3.2.1 of the working papers provided in response to question 2. All the same variables used in the June 20, 2007 report are used except the weather normalized residential & commercial deliveries. The weather normalization method used was different and the variable that it generated is called ayvrc, which was used in the March work. The files DR_TC_March20 and modeleobM20 replace the analogous versions provided in response to question 2.
- e) Please see the attached file EGD-20 Ontario Data.zip
- f) Please see the attached file EGD-20 Working Papers (3.1.2) March.zip. These files replace section 3.1.2 of the June working papers for the purpose of calculating results for our March report.

Please note, additionally, that for commercial proprietary reasons PEG believes that three kinds of materials listed in the working papers (3.1.1, 3.2.1, 3.4 and 3.5)--- the data on U.S. LDC operations, the incentive power model, and SST (the PEG custom in-house software program) --- are confidential. These materials will be released to parties that have signed the Form of Declaration and Undertaking pursuant to the Board's Practice.