1 **Q.   Please provide a workable electronic copy of Exhibit LCH-2, 2001 Cost of Service**
2 **Study, with all related files and links intact.**
3
4 A.   An electronic copy of Exhibit LCH-2, 2001 Cost of Service (COS) Study is provided on
5   the attached disk (CD), together with other electronic files being provided by the
6   Company in response to Requests for Information PUB-219 and PUB-220. The files
7   applicable to this particular response are contained in the folder labelled PUB-209
8   Attachment A.
9
10   Attachment B contains a hard copy of user documentation for the COS model.

Newfoundland Power Inc.

2001 Cost of Service Study

General User Instructions

Please refer to Exhibit LCH-1 for a general overview of the Cost of Service (COS) Study methodology and a description of the various output schedules. The purpose of this user documentation is to provide a description of the various inputs to the COS model as well as to provide instructions for using the model.

The model is made up of six Excel workbooks with each workbook containing various worksheets associated with inputting data, calculating results, and displaying the various output schedules. Each workbook has a "Control Sheet" where all applicable Macros are set up. The Macros are usually required to import data from other workbooks. Please note that all workbooks must be open for the COS Model to operate correctly. To facilitate opening the six Excel workbooks a workspace file is also included.

Listed below is a description of each workbook.

Resume.xlw

This is a workspace file that, when executed, will open all Excel files automatically. The user could utilize this file or open each file individually.

BFA Summary 2001.xls
This workbook has two worksheets and is used for inputting various revenue, sales and customer information by the various class breakdowns required for the COS Study. All required input data is highlighted in red. This is essentially a data source workbook.

General Inputs 2001.xls

The main purpose of the General Inputs workbook is to enter data required for other workbooks. Also, Schedule 5.1 (Classification Splits) is generated in this workbook. Listed below is a brief description of each worksheet where input data is required. All input data is highlighted in red.

Control Sheet - Mainly used to list the various sources of input data.

Other Data - Various input data mainly from Returns from the Annual Report to the PUB.

Specifically Assigned Cost - Used for inputting plant data specific to a particular customer.

CPF Streetlighting - Various Street Lighting plant used to derive functional factors.

Data From Hydro's Cost of Ser. - Data from various Hydro's Cost of Service Studies.

Functional Factors - Input data used to create various functional factors.

5.1 Summary of Alloc. Fact. - Schedule 5.1 is derived in this worksheet. Various functional and classification factors are input directly into this worksheet.

Expenses 2001.xls

This workbook generates the expense Schedule 3.1. Two of the worksheets require input data.

Control Sheet – Weighted O&M allocation factor is input in this worksheet. There are two Macro Buttons in this worksheet. One is to "Update Pivot Tables". This must be run when any data in this workbook is changed. The other Button "Input Data From General input" is used to import required data from the "General Inputs 2001" workbook.

3.1 Exp Net of GEC, RSA & MTA - Schedule 3.1 is derived from this worksheet. Detail operating expenses are directly input into this worksheet. You must run the Macro "Update Pivot Tables" in the "Control Sheet" of this workbook whenever detail expense data is updated.

Assets 2000-2001.xls

This workbook creates the plant Schedules 2.1, 2.2, 2.3, 2.4 & 3.3. There are two worksheets that require updating.

Control Sheet - There is one Macro in this worksheet. The Macro button allows you to import the required data from the "General Inputs 2001" workbook.

Summary of Plant Items - All plant related data is input in this worksheet.

Eng Dem Cust Alloc 2001.xls

This workbook creates Schedules 4.1, 4.2, 4.3, 4.4, 4.5 & 4.6. For the most part, these are summaries of the various class allocation factors. There are four worksheets that require updating.

Control Sheet - There is one Macro in this worksheet. The Macro button allows you to import the required data from the "General Inputs 2001" workbook.

4.1 Load and Customer Stats. - Schedule 4.1 is derived from this worksheet. Some Customer and load factor data by class of service is input directly into this worksheet.

4.2 Loss Factors - Schedule 4.2 is derived from this worksheet. The loss factors are directly input into this worksheet.

4.3 Cust Alloc - Schedule 4.3 is derived from this worksheet. The various customer class weighting factors are input into this worksheet.

<u>**Fully Distributed Cost 2001.xls**</u>

This workbook creates Schedules 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 3.2, 5.2, 5.3 & 5.4. For the most part, these are the main COS Study output Schedules. There is no direct data input into this workbook. Data from the other supporting workbooks is imported into this workbook through several Macro buttons located in the "Control Sheet". The Macro buttons used to import the data are listed below:

1. Import Data From Class Allocator Workbook - "Eng_dem_Cust Alloc 2001.xls"

2. Import Data From Bill Frequency Analysis - "BFA Summary 2001.xls"

3. Import Data From General Input File - "General Imputs 2001.xls"

4. Import Data From Asset Data File - "Assets_2000-2001.xls"

5. Import Data From Expense Data File - "Expenses 2001.xls"