7.04   For purposes of this request, please refer to the Company's Response to CCS 4.05 and its discussion of the Commercial GS1 and GSS Analysis used to statistically estimate commercial usage and total number of customers. To the extent possible, all data requested should be provided in electronic spreadsheet format with clearly identified variables and calculations.

   a.   Please provide all historical usage, customer, and use per customer data.

   b.   Please provide all data and calculations used to weather normalize commercial usage.

   c.   Please provide the Excel regression output from the commercial model (usage and customers) used in the Company's most recent IRP and the date upon which this output was generated. If this output is unavailable, please provide the statistical (regression) output from the most recent run of the model and indicate the date of this run.

   d.   Please provide the comparisons of actual to predicted values for the commercial model (usage and customers), as well as the forecasted values (usage and customers) using the Excel regression model.

   e.   Please provide the calculations upon which the commercial elasticities provided in Response to CCS 4.05 were developed.

Answer: The attached file "CCS 7.04 Attach.xls" has the answers for a, c, d and e below.

   a.   Historical data is in columns B and D of the "GS1" and "GSS" tabs.
   b.   Please refer to the response to CCS Data Request No. 7.01(a).
   c.   The regression output for the GS-1 commercial customer and usage per customer regressions are shown in tab "GS1 Cust & UPC Regressions." The GSS commercial forecast is not based on regressions but a trend of the two time series. GSS commercial customers were increased by the average increase experienced during the 2001-2005 timeframe. The GSS commercial usage per customer was decreased by the annual average decrease experienced during the 2001-2005 timeframe. This work was completed in February 2006.
   d.   Actual commercial customers and usage per customer are shown in Columns B and D. The predicted values using the regression coefficients are shown in Columns G and J. The forecasted values are shown in Columns C and E.
   e.   See response to (c) above.

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