

FORECASTING PANEL - ELECTRIC

1 Q. Would the members of the Forecasting Panel please state  
2 their names and business address?

3 A. Margaret M. Lenz, Patrick F. Hourihane, Hock G. Ng, and  
4 Rebecca Craft, 4 Irving Place, New York, New York  
5 10003.

6 Q. By whom are you employed, in what capacity, and what  
7 are your professional backgrounds and qualifications?

8 A. (Lenz). We are employed by Consolidated Edison Company  
9 of New York, Inc. ("Con Edison" or the "Company"). I  
10 am Department Manager of Revenue and Volume Forecasting  
11 in Corporate Accounting. My background is as follows:  
12 I received my Bachelor of Science degree in Mathematics  
13 from St. Lawrence University in 1981. I also received  
14 an MBA Degree in Finance in 1995 from Adelphi  
15 University. In 1981, I was employed by Con Edison in  
16 its Management Intern Program. I have held various  
17 positions of increasing responsibility in the Company's  
18 Planning, Corporate Accounting, Energy Services and  
19 Rate Engineering departments. I have overseen the  
20 Electric Revenue and Volume Forecasting Section since  
21 December 2002 and have been in my current position  
22 overseeing the volume and revenue forecasts of all  
23 three systems (electric, gas and steam) since July  
24 2006.

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1 (Hourihane). I am Section Manager of Electric Revenue  
2 and Volume Forecasting in Corporate Accounting. My  
3 background is as follows: I received a Bachelor of  
4 Arts Degree in History from Saint Meinrad in 1974 and a  
5 Master in Energy Management Degree from New York  
6 Institute of Technology in 2000. In 1975, I began my  
7 employment with Con Edison in the Customer Service  
8 Department. Between 1978 and 2005, I worked in  
9 positions of increasing responsibility in the Customer  
10 Service and Energy Management departments. My  
11 responsibilities have included such projects as the  
12 electric governmental forecast and the gas sales  
13 forecast. In 2005, I transferred to the Rate  
14 Engineering Department. In December 2006, I was  
15 promoted to my present position in Corporate  
16 Accounting. My responsibilities include overseeing the  
17 electric volume and revenue forecast.

18 (Ng). I am a Senior Planning Analyst of Electric  
19 Revenue and Volume Forecasting in Corporate Accounting.  
20 My background is as follows: I received a Bachelor of  
21 Economics degree from the University of Western  
22 Australia in 1983. I also received a PhD degree in  
23 Economics in 1992 from Stanford University. In 2005, I  
24 began my employment with Con Edison. Prior to joining

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1           Con Edison, I taught and performed research in  
2           economics and econometrics at various universities. My  
3           responsibilities include developing, testing and  
4           updating the forecasting models used to produce the  
5           electric volume and revenue forecast.  
6           (Craft). I am Director of Energy Efficiency. My  
7           background is as follows: I received my Bachelor of  
8           Arts degree in Economics from Wellesley College in  
9           1981. I also received a JD Degree in 1984 from Indiana  
10          University School of Law. In September 2002, I began  
11          my employment with Con Edison in the Market Policy  
12          Group. I became Director of that Group in 2004. In  
13          2005, I became the Assistant to the Chairman and have  
14          been in my current position since April 2007. Prior to  
15          working at Con Edison, I was employed by The Prudential  
16          Insurance Company of America (now known as Prudential  
17          Financial, "Prudential"). At Prudential, I held a  
18          number of positions, including Assistant General  
19          Counsel; Vice President, Enterprise Planning; Senior  
20          Vice President, Strategy and Product Development,  
21          Retirement Services; and Managing Director,  
22          International Investments. My responsibilities  
23          included strategic planning and financing of  
24          infrastructure projects.

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1 Q. Has any panel member published any literature, which is  
2 relevant to modeling and forecasting?

3 A. (Ng). Yes, I co-authored two articles dealing with  
4 forecast modeling issues that have been published in  
5 the International Journal of Forecasting, and Systems  
6 Analysis Modeling Simulation, respectively.

7 Q. Have you previously testified in regulatory  
8 proceedings?

9 A. (Lenz). I testified in Case Nos. 08-E-0539, 07-E-0523  
10 and 06-E-1433 and submitted testimony in Case Nos. 04-  
11 E-0572 and 07-E-0949.

12 (Hourihane). I testified in Case Nos. 08-E-0539 and  
13 07-E-0523 and submitted testimony in Case No. 07-E-  
14 0949.

15 (Ng). I testified in Case Nos. 08-E-0539 and 07-E-  
16 0523.

17 (Craft). I testified in Case Nos. 08-E-0539 and 07-E-  
18 0523.

19 Q. What is the purpose of the Forecasting Panel's  
20 testimony?

21 A. The Panel presents the Company's forecast of electric  
22 sales volumes, revenues and system sendout for January  
23 2009 through March 31, 2015, and discusses the  
24 methodologies used to develop these forecasts.

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1 Q. What were the actual and normalized sales volumes for  
2 2008?

3 A. The actual franchise area sales volume for 2008 was  
4 58,323 gigawatt hours ("GWHs"). The 2008 normalized  
5 sales volume was 58,524 GWHs.

6 Q. Would you please summarize, in aggregate form, your  
7 sales volume forecast?

8 A. The 2009 sales volume forecast is 58,188 GWHs, a  
9 decrease of 336 GWHs from the 2008 normalized sales  
10 volume. The 2010 sales volume forecast is 57,708 GWHs  
11 or 480 GWHs below the 2009 forecast. The sales volume  
12 forecasts by rate years are 57,722 GWHs for the rate  
13 year ending March 2011, 58,011 GWHs for the rate year  
14 ending March 2012, 58,213 GWHs for the rate year ending  
15 March 2013, 58,570 GWHs for the rate year ending March  
16 2014, and 58,954 GWHs for the rate year ending March  
17 2015.

18 Q. What is the purpose of the sales volumes and sendout  
19 forecasts?

20 A. The sales volume forecast is used to determine the  
21 revenue forecast. The sendout forecast is supplied to  
22 Company witness Kimball for his forecast of the cost of  
23 energy supply.

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1 Q. Do you have any exhibits that accompany this testimony?

2 A. Yes, we are presenting nine exhibits, Exhibit \_\_\_\_ (FP-  
3 1) through Exhibit \_\_\_\_ (FP-9).

4 Q. Were these nine exhibits prepared under the Panel's  
5 direction and supervision?

6 A. Yes. We will describe each of these exhibits in the  
7 course of our testimony.

8 SALES VOLUMES BY SERVICE CLASSIFICATION

9 Q. What forecasting methodologies are used to project the  
10 electric sales volumes?

11 A. The sales volume forecasts are based on various  
12 methodologies. The forecasts of sales volumes for  
13 major service classifications ("SCs") are based on  
14 econometric models and Box-Jenkins type of time series  
15 models. The forecasts of sales volumes for the other  
16 SCs are performed on a deterministic or individual  
17 basis.

18 Q. Please explain.

19 A. For two small service classifications (SC 5 -- Rail  
20 Road Platform and Stations Lightings and SC 6 -- New  
21 York City Private Street Lighting), under which sales  
22 volumes have not changed significantly, forecasts were  
23 done on a deterministic basis.

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1           The forecast of sales volumes for commercial  
2 customers receiving the Company's Business Incentive  
3 Rate ("BIR") under Rider J are also done on a  
4 deterministic basis. For SC 14 (Standby Service), the  
5 forecast was performed on an individual customer basis  
6 for the six existing and five projected customers.

7           The sales volume forecast for SC 14 "phase-in"  
8 customers, who will become SC 14 Standby customers  
9 starting February 2011, was based on data provided to  
10 us by the Electric Rate Panel.

### Econometric Models

12 Q. For which classes did the Company use econometric  
13 models?

14 A. Econometric models were used to forecast electric sales  
15 volumes for SC 1 (Residential), SC 2 (Small  
16 Commercial), SC 4 (Large Commercial Redistribution), SC  
17 7 (Residential All Electric Homes), SC 8 (Master  
18 Metered Apartments), SC 9 (Large Commercial), and SC 12  
19 (Multiple Dwelling Space Heating). The modeling  
20 periods, the independent variables, and the model  
21 structure are described below.

### Modeling Period

23 The SC 12 econometric model is developed on a monthly  
24 basis, using data from January 1983 through December

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1 2008. The other econometric models are developed on a  
2 quarterly basis, using data from the first quarter of  
3 1983 through the fourth quarter of 2008.

4 Independent Variables

5 We employ three types of variables - weather, dummy and  
6 economic.

7 Weather variables, in terms of heating and cooling  
8 degree days, are included in all models to account for  
9 sales variations due to differences in weather  
10 conditions. Dummy variables are included in the SC 4  
11 and SC 12 models to account for the impacts of special  
12 events, such as September 11, 2001.

13 Key economic variables included in the various  
14 models are as follows.

- 15 • The SC 2 and SC 9 models include the number of  
16 customers in the class, real electric price of  
17 the class, and private non-manufacturing  
18 employment.
- 19 • The SC 1 and SC 4 models include real electric  
20 price of the class and private non-  
21 manufacturing employment.

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- 1           • The SC 7 model includes real electric price of
- 2           the class and number of customers in the
- 3           class.
- 4           • The SC 8 model includes the real electric
- 5           price of the class.
- 6           • The SC 12 model includes the number of
- 7           customers in the class.

8 Q. In the last case, you used the difference in the  
9 logarithm of sales volume per customer, adjusted for  
10 billing days, as the dependent variable in the SC 1  
11 model. Have you changed this dependent variable for  
12 the SC 1 model in this case to the difference in the  
13 logarithm of sales volume, adjusted for billing days?  
14 If so, why?

15 A. We changed the variable to the difference in the  
16 logarithm of sales volume, adjusted for billing days.  
17 In using the difference in the logarithm of sales  
18 volume per customer as the dependent variable in the  
19 model, there is an implicit assumption that sales  
20 volume would increase by one percent in response to a  
21 one percent increase in the number of customers. Such  
22 an assumption no longer holds true. The conclusion  
23 that the assumption can no longer be made was arrived

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1 at by including the difference in the logarithm of the  
2 number of SC 1 customers as an independent variable in  
3 the model and testing if the coefficient on the  
4 customer variable is equal to one. The test rejected  
5 this hypothesis, and in fact, the coefficient is not  
6 significantly different from zero, which implies that  
7 changes in the number of SC 1 customers do not have an  
8 independent impact on SC 1 sales volume. Thus, the  
9 number of SC 1 customers is not included in the current  
10 SC 1 model.

11 Q. Have you tried to include a per-capita personal income  
12 variable in your SC 1 model?

13 A. An SC 1 model that included a per-capita personal  
14 income variable, instead of private non-manufacturing  
15 employment, was tested and produced forecasts with  
16 similar annual sales volumes when compared to the model  
17 used by the Company. We opted not to change to the  
18 personal income variable because it is available only  
19 on an annual basis and its use requires an ad-hoc  
20 conversion of the annual data to quarterly data. Since  
21 private non-manufacturing employment information is  
22 available on a quarterly basis, which is preferred, we  
23 used that variable in the model instead of the personal  
24 income variable.

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### 1        Model Structure

2        Each of the econometric models consists of two parts:  
3        the first part is a regression model, which correlates  
4        the sales volume with the set of independent variables  
5        selected into the model; the second part is an  
6        integrated autoregressive and moving average ("ARIMA")  
7        model. The combined model is often referred to as an  
8        ARIMAX model in modeling literature, where the letter  
9        "X" stands for the set of independent variables  
10       included in the model. The ARIMA model can take many  
11       different forms, and each model has its own ARIMA  
12       structure, statistically determined according to the  
13       data pattern of each SC.

14    Q.    What is the purpose of including an ARIMA part in the  
15       model?

16    A.    In forecast modeling, the model can include only a few  
17       key economic variables, such as real electric price,  
18       number of customers and/or employment. All other  
19       economic variables, which may have an effect on  
20       electric sales but either are not quantifiable or have  
21       no data available, are excluded from the model. The  
22       ARIMA mechanism captures the collective effect of those  
23       excluded variables. In addition, ARIMA also smoothes

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1 out autocorrelations in the data; the presence of  
2 autocorrelations would increase forecast error.

3 Box-Jenkins Models

4 Q. For which SC is a Box-Jenkins model used?

5 A. The Box-Jenkins model is used for one service class, SC  
6 13 (Bulk Power - High Tension - Housing Developments).

7 Q. Please describe the Box-Jenkins type of time series  
8 model.

9 A. A Box-Jenkins model relates a variable with its own  
10 past values and uses this relationship to produce  
11 forecasts. For SC 13, the statistical correlations  
12 between the sales volume and the set of economic  
13 variables that are included in the econometric models  
14 are not significant. This means that the economic  
15 variables do not have significant impacts on sales  
16 volumes in this SC. Therefore, we did not use an  
17 econometric model for SC 13 and instead developed a  
18 monthly Box-Jenkins model for forecasting.

19 Q. Please describe the modeling period, independent  
20 variables and model structure.

21 A. The modeling period starts January 1990 and ends  
22 December 2008. SC 13 has one customer and its electric  
23 consumption has remained stable for a long time.

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1 Therefore, a shorter time period can be, and has been,  
2 used for this particular model.

3 The model includes heating and cooling degree days as  
4 independent variables, i.e., it is an ARIMAX model, but  
5 the weather variables are included to account for their  
6 impacts on the historical data, not as driving  
7 variables. Forecasts are based on the ARIMA part of  
8 the model; weather conditions are assumed to be normal  
9 and have no impact on forecasts.

10 Q. Have you prepared an exhibit showing the models that  
11 you have just described?

12 A. Yes, we have prepared a nine-page document entitled  
13 "VOLUME FORECASTING MODELS." In the Exhibit, we  
14 provide the econometric models used for forecasting  
15 sales volume for SCs 1, 2, 4, 7, 8, 9, 12 and 13, as  
16 well as the sendout model.

17 MARK FOR IDENTIFICATION AS EXHIBIT \_\_\_ (FP-1)

18 Q. What are the criteria used to measure the accuracy of  
19 the econometric models?

20 A. Generally accepted criteria to measure the accuracy of  
21 each model are used. Many different model structures  
22 are tested for each SC, with variations especially in  
23 the structure of the ARIMA part of the model. A  
24 Durbin-Watson value near 2, a low standard error, and a

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1 high  $R^2$ , are criteria used to select the models for  
2 forecasting.

3 Q. Have you prepared an exhibit showing the measures of  
4 accuracy you have just described?

5 A. Yes, we have prepared a one-page document entitled  
6 "ELECTRIC FORECASTING MODEL STATISTICS." In the  
7 Exhibit, we present measures of model performance for  
8 SCs 1, 2, 4 and 9. These four service classifications  
9 are featured in the Exhibit because they account for  
10 over 90 percent of total Con Edison sales volumes.

11 MARK FOR IDENTIFICATION AS EXHIBIT \_\_\_\_ (FP-2)

12 Q. Please explain this Exhibit.

13 A. The Exhibit lists the adjusted  $R^2$ , standard error, and  
14 Durbin-Watson statistic of the models for SCs 1, 2, 4  
15 and 9. All three statistics indicate that the models  
16 fit the historical data very well.

17 Model Assumptions

18 Q. You listed the key economic variables used in the  
19 forecasting models as private non-manufacturing  
20 employment, real electric price, and the number of  
21 customers in each SC. Please explain how the forecast  
22 of private non-manufacturing employment is developed.

23 A. The private non-manufacturing employment forecast is  
24 developed using the economic consulting firm, Moody's

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1 Economy.com's forecast. The forecasts from Moody's  
2 Economy.com are used by the New York Independent System  
3 Operator and other New York State utilities. The  
4 Moody's Economy.com forecast is developed for New York  
5 State as a whole as well as for individual regions and  
6 counties within the State. For the historical period,  
7 the Company uses the Bureau of Labor Statistics Current  
8 Employment Survey ("CES") data for New York City and  
9 Westchester County (through 2004). The Bureau of Labor  
10 Statistics CES discontinued the Westchester County  
11 series at the end of 2004. As such, the 2005 - 2008  
12 employment figures for Westchester County are estimated  
13 by applying the most up-to-date year over year growth  
14 rates (obtained from Moody's Economy.com's database) to  
15 the actual CES historical figures.  
16 The forecast for New York City was developed by  
17 applying the annual growth rates available in Moody's  
18 Economy.com database in January 2009 (the most current  
19 available at the time the forecast was developed) to  
20 the CES actuals. The forecast for Westchester County  
21 was developed by applying the annual growth rates  
22 available in Moody's Economy.com database in January  
23 2009 to the CES 2004 actuals.

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1 Q. What is the projection for private non-manufacturing  
2 employment?

3 A. For the Company's service territory, private non-  
4 manufacturing employment is projected to decrease by  
5 3.5% in 2009 and 0.8% in 2010, and increase by 1.8% in  
6 2011, 3.2% in 2012, 2.6% in 2013, 1.4% in 2014 and 1.0%  
7 in 2015.

8 Q. What assumption does the model use for the real  
9 electric price variable for forecasting purposes?

10 A. For forecasting purposes, we assumed that the real  
11 electric price remains at the 2008 level and does not  
12 include the rate increase that became effective in May  
13 2009.

14 Q. Are the foregoing projections of employment and real  
15 electric price used as inputs in the forecasting models  
16 to generate the Con Edison sales volume forecasts?

17 A. Yes.

18 Q. Please explain the development of the forecasts of the  
19 number of customers for the various service  
20 classifications.

21 A. The forecast of the number of customers in each service  
22 class is used to forecast the number of bills, which,  
23 in turn, is used in calculating the competitive  
24 delivery revenues, as will be explained later. The

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1 forecast of the number of customers for SCs 1, 2, 4, 7,  
2 8, and 9 are based on ARIMA models, using quarterly  
3 data from the first quarter of 1983 through the fourth  
4 quarter of 2008.

5 The forecast for the number of SC 12 customers is  
6 based on a monthly ARIMA model, using data from January  
7 1983 through December 2008.

8 The forecast of the number of customers for SC 5  
9 is based on recent trends.

10 The forecast of the number of customers for SC 6  
11 is done on a deterministic basis.

12 SC 1 and SC 9 represent the two largest classes in  
13 terms of volume.

14 Q. Have you prepared an exhibit showing the ARIMA models  
15 used for forecasting the number of customers?

16 A. Yes, we have prepared a seven-page document entitled  
17 "CUSTOMERS FORECASTING MODELS." In the Exhibit, we  
18 provide the ARIMA models used to forecast the number of  
19 customers for SCs 1, 2, 4, 7, 8, 9 and 12.

20 MARK FOR IDENTIFICATION AS EXHIBIT \_\_\_\_ (FP-3)

21 Q. Based upon the foregoing methodologies, what are the  
22 projections for customers for SC 1 and SC 9?

23 A. The number of customers for SC 1 is projected to grow  
24 by 0.56% in 2009, 0.45% in 2010, 0.46% in 2011 and

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1 0.47% per year in 2012 through first quarter of 2015,  
2 while the number of customers for SC 9 is projected to  
3 grow by 0.80% in 2009, 1.21% in 2010, 1.18% in 2011,  
4 1.15% in 2012, 1.11% in 2013, 1.08% in 2014, and 1.06%  
5 in the first quarter of 2015.

6 Q. Are the foregoing projections of the numbers of  
7 customers used as inputs in the forecasting models to  
8 generate the Con Edison sales volume forecasts?

9 A. For SCs 2, 7, 9 and 12, these customer forecasts are  
10 used as inputs in their respective forecasting models.  
11 However, customer forecasts for all Con Edison service  
12 classes were developed for use in projecting the number  
13 of bills to determine competitive charge revenues, as  
14 explained later in our testimony.

15 Q. Have you prepared an exhibit showing the economic  
16 assumptions you have described?

17 A. Yes, we have prepared a one-page document entitled  
18 "ECONOMIC ASSUMPTIONS." In the Exhibit, we provide  
19 projected values of the economic variables during the  
20 forecast period.

21 MARK FOR IDENTIFICATION AS EXHIBIT \_\_\_\_ (FP-4)

22 Q. Are there other sales volumes that are included in the  
23 forecast?

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1 A. Yes. We also include NYPA, the power supplied by KIAC  
2 to JFK airport and Economic Development Delivery  
3 Service ("EDDS") in our forecast.

4 Q. Please describe the methodology for forecasting NYPA  
5 volumes.

6 A. For SC 66 (Westchester Street Lighting), the forecast  
7 of sales volume is performed on a deterministic basis.  
8 The forecasts of sales volumes for all other NYPA  
9 service classes are based on Box-Jenkins type of time  
10 series models on a monthly basis. The NYPA forecast is  
11 then adjusted upward by adding the volumes supplied by  
12 KIAC to JFK Airport for its power needs.

13 Q. Have you prepared an exhibit showing the models that  
14 you have just described?

15 A. Yes, we have prepared a four-page document entitled  
16 "NYPA VOLUME FORECASTING MODELS." In this Exhibit, we  
17 provide the econometric models used for forecasting  
18 NYPA sales volume.

19 MARK FOR IDENTIFICATION AS EXHIBIT \_\_\_\_ (FP-5)

20 Q. Please describe how EDDS is forecast.

21 A. The EDDS forecast considers the usage associated with  
22 the customers in the following programs -- NYCPUS,  
23 COWPUSA, substitute energy and Power For Jobs. The  
24 NYCPUS, COWPUSA and substitute energy forecasts are

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1 based on the historical level of volumes for known  
2 customers. Adjustments are made to these volumes for  
3 any known customers who will no longer be taking  
4 service in these three categories as well as for  
5 volumes related to additional allocations in the  
6 future. The Power For Jobs below the allocation  
7 forecast was provided by NYPA.

8 Q. How are the total sales volumes for the franchise area  
9 derived?

10 A. The total sales volumes are equal to the sum of Con  
11 Edison, NYPA (including KIAC), and EDDS volumes.

12 Q. Does your forecast of sales volumes reflect savings due  
13 to the impact of demand side management ("DSM")  
14 programs?

15 A. Yes. The forecasts are net of the impact of the  
16 Company's pilot and current Targeted DSM programs, the  
17 Con Edison programs submitted in the EEPS proceeding,  
18 and reductions attributable to others (exclusive of  
19 codes and standards) as itemized in the Straw Proposal  
20 issued by the Administrative Law Judges in that  
21 proceeding on February 13, 2008, which provides an  
22 estimate of the incremental reductions to be achieved  
23 as a result of the overall State effort to achieve the  
24 15 x 15 goal. Con Edison's EEPS program goals have

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1        been adjusted as a result of the January 16, 2009 order  
2        approving the Fast Track programs. This order approved  
3        a reduced MWh goal for the residential HVAC program.  
4        The projected sales reduction associated with the  
5        Company's Fast Track program is reflected in the  
6        forecasted level of DSM included in this filing.

7    Q.    Have you treated the DSM savings in a similar fashion  
8        as in the last rate case?

9    A.    Yes. Our forecast is adjusted for the projected DSM  
10       savings in the same manner as in Case 08-E-0539. The  
11       sales forecast generated from the forecasting models  
12       was manually adjusted to reflect the incremental DSM  
13       savings that these programs will provide once the DSM  
14       measures have been installed. The Company also used  
15       the "NYSERDA System Wide Demand Bi-Monthly Detailed  
16       Measure" Report as well as the "NYSERDA NEW YORK ENERGY  
17       \$SMART<sup>SM</sup> PROGRAM QUARTERLY EVALUATION AND STATUS" Report  
18       to develop its projected DSM savings.

19   Q.    Are there any other adjustments to the sales forecast?

20   A.    The sales forecast for SCs 4 and 9 are also adjusted to  
21       reflect the projected loss in sales from customers who  
22       plan to convert a portion, or all, of their existing  
23       load to on-site generation and will become standby  
24       customers under SC 14. In addition, the sales of

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1 "phase-in" customers, who are currently in SC 9, are  
2 transferred to SC 14 at the end of the phase-in period.  
3 This transfer of customers to SC 14 is fully explained  
4 later in our testimony when we discuss "phase-in"  
5 customers.

6 Q. Have you prepared an exhibit showing the adjustments  
7 you have made to the sales volume forecast?

8 A. Yes, we have prepared a two-page document entitled  
9 "SALES AND SENDOUT ADJUSTMENTS." In the Exhibit, we  
10 provide the DSM impacts and the loss and transfer of  
11 volumes related to SC 14 by service class for 2009 and  
12 2010, and for each subsequent rate year.

13 MARK FOR IDENTIFICATION AS EXHIBIT \_\_\_\_ (FP-6)

14 Q. For what periods are sales volumes forecasted?

15 A. Quarterly. However, the quarterly sales volumes need  
16 to be disaggregated into monthly amounts.

17 Q. Why do you need to disaggregate the quarterly sales  
18 volumes into monthly forecasts?

19 A. Monthly sales volumes are required to calculate  
20 revenues.

21 Q. How are the quarterly sales volumes disaggregated into  
22 monthly sales volumes?

23 A. Quarterly sales volumes are divided into monthly sales  
24 volumes by reflecting the patterns of historical

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1 weather-normalized monthly sales volumes. Monthly  
2 sales volumes are also adjusted to reflect the  
3 differences in forecasted billing cycle days.

4 REVENUE FORECAST

5 Q. Please explain the method of estimating Con Edison's  
6 delivery revenue.

7 A. The delivery revenue forecast consists of both the non-  
8 competitive delivery revenues and the competitive  
9 delivery revenues. The non-competitive delivery  
10 revenues represent revenues from customer charges, and  
11 the energy and demand delivery rates while the  
12 competitive delivery revenues are comprised of the  
13 Merchant Function Charge ("MFC"), Billing and Payment  
14 Processing Charge ("BPP"), and Metering Charge  
15 Revenues.

16 Q. Please explain the method of estimating Con Edison's  
17 non-competitive transmission and distribution delivery  
18 ("T&D") revenues for the forecast periods.

19 A. The T&D revenues from the forecasted sales volumes to  
20 Con Edison's customers are estimated by month and by  
21 service classification. For each of the energy only  
22 classes (SCs 1, 2, and 7), a pricing equation is  
23 developed by correlating historical average T&D revenue  
24 of the class to historical volume of the class, the

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1 number of billing-days and summer/winter rate  
2 differentials, if applicable, for the period January  
3 2006 through December 2006. These are the same pricing  
4 equations that were used in Case 08-E-0539. An update  
5 of these equations using more recent data is not  
6 possible at this time because twelve full months of  
7 revenues at the same rates are required. With rate  
8 changes occurring in April 2007 and April 2008,  
9 revenues at unchanged rates are available only for May  
10 2007 through March 2008, which does not equate to 12  
11 months. In addition, revenues from April 2008 cannot  
12 be used as they do not reflect the full extent of the  
13 April 2008 rate increase.

14 For each of the commercial classes (SCs 4, 8, 9,  
15 12 and 13), where energy and demand charges apply, a  
16 demand pricing equation is also developed by  
17 correlating historical average T&D revenue of the class  
18 to historical billed demand of the class, the number of  
19 billing-days and summer/winter rate differentials, if  
20 applicable, for the period January 2006 through  
21 December 2006. The T&D energy revenues for commercial  
22 classes are based upon pricing equations similar to  
23 those developed for the energy only classes. The sales  
24 volume, billed demand and revenues of customers

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1 receiving BIR under Rider J are excluded from the data  
2 used in these commercial pricing equations. These  
3 pricing equations are then applied to the sales and  
4 demand forecast of the respective service classes to  
5 obtain revenue at 2006 rates. The revenue from the  
6 pricing models is then adjusted to reflect the rate  
7 increases that are effective as of April 1, 2007, April  
8 1, 2008 and May 1, 2009. For purposes of this filing,  
9 revenues for April 2009 are priced at the rates that  
10 became effective on May 1, 2009.

11 Q. How do you forecast the revenues for customers not  
12 included in the pricing equations?

13 A. The forecast of T&D energy and demand revenues for BIR  
14 customers are based on actual 2008 BIR revenues,  
15 adjusted to reflect current rates. The T&D revenues  
16 for commercial classes taking service under SC 14 were  
17 estimated by using the appropriate tariff rates.

18 Q. Please explain the revenue related to the SC 14 "phase-  
19 in" customers.

20 A. Customers served under the Company's SC 14-RA Standby  
21 tariff are either billed under SC 14-RA rates, subject  
22 to a phase-in of SC 14-RA rates or exempt from SC 14-RA  
23 rates. Under the SC 14-RA tariff, "phase-in" customers  
24 have the choice to be billed immediately under full

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1 standby service rates or to phase in to the rates  
2 through February 1, 2011. "Phase-in" customers will be  
3 billed at SC 14-RA rates at the end of the phase-in  
4 period. During the phase-in period, customers will  
5 continue to be billed at their existing service  
6 classification rate, plus a percentage of the  
7 difference between billing under standby service rates  
8 and non-standby service rates, if the difference is  
9 greater than zero. Currently, there are 40 customers  
10 on the "phase-in" standby rate. The "phase-in"  
11 revenues were provided to us by the Electric Rate  
12 Panel.

13 Q. Please explain the method of estimating Con Edison's  
14 competitive delivery revenues for the forecast periods.

15 A. The MFC revenues represent the supply and credit and  
16 collection related charges. The service class sales  
17 for full service customers only were multiplied by the  
18 current MFC rate as determined in Case 08-E-0539. The  
19 BPP revenues are determined by applying the BPP charge  
20 per bill to the forecasted number of bills. This  
21 charge is at the level set in Case 08-E-0539 and  
22 depends on the customer's choice of billing option and  
23 choice of service. The Metering Charge is also on a  
24 per bill basis and applies to demand classes only (SCs

FORECASTING PANEL - ELECTRIC

1 4, 5, 8, 9, 12, 13 and 14). We similarly forecast this  
2 charge by using the rates set in Case 08-E-0539.

3 Q. Please explain the development of the forecasts of the  
4 number of bills for the various service  
5 classifications.

6 A. The forecasted monthly number of bills by service class  
7 is determined by adding the monthly year over year  
8 change in the number of customers to the monthly number  
9 of bills for the twelve months ending December 31,  
10 2007, as was provided to us by the Electric Rate Panel,  
11 i.e., the historical period for which detailed billing  
12 data is available. For the year 2008, this change in  
13 the number of customers is based on actual customer  
14 counts. For the future years, the number of bills is  
15 adjusted to reflect the change in the number of  
16 customers from the number of customer forecast.

17 Q. Please explain the projection of billable demand for  
18 Con Edison's commercial customers.

19 A. The billable demand forecast is the ratio of the  
20 forecasts for energy volume and the average hours use.

21 Q. How is the average hours use forecasted?

22 A. A detailed analysis of the relationship between  
23 historical sales volumes and billable demand is used to  
24 project the average hours use.

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1 Q. Please explain the method of estimating NYPA delivery  
2 service revenues for the forecast periods.

3 A. The NYPA delivery service revenues are estimated by  
4 applying monthly average demand rates to the estimated  
5 billable demand. The estimated monthly demand rates  
6 are based upon the actual 2008 average demand rates  
7 adjusted to reflect the rate increase that became  
8 effective as of May 1, 2009. For purposes of this  
9 filing, revenues for April 2009 are priced at the rates  
10 that became effective on May 1, 2009. For SC 80 (New  
11 York City Street Lighting), standby service, the energy  
12 only classes and KIAC, the delivery revenues are  
13 estimated by applying the appropriate tariff rates to  
14 our forecast.

15 Q. Please explain the method of arriving at the estimated  
16 NYPA demand.

17 A. Monthly billable demand projections are based on an  
18 analysis of historical growth patterns. Billable  
19 demands are not applicable to small general services  
20 and non-New York City street lighting that only have an  
21 energy charge component.

22 Q. The revenue forecast also includes Market Supply Charge  
23 ("MSC") and Monthly Adjustment Clause ("MAC") revenues.  
24 Please explain how these components are forecast.

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1 A. These revenues are supplied to us by the Financial  
2 Forecasting Section of Corporate Accounting and also  
3 include the uncollectible bill expense associated with  
4 the MSC and the MAC.

5 SENDOUT FORECAST

6 Q. How is the franchise area sendout forecast developed?

7 A. An econometric model is used to forecast the franchise  
8 area sendout on a quarterly basis.

9 Q. What variables are used in the sendout model?

10 A. Weather variables in terms of heating and cooling  
11 degree days are included in the model to account for  
12 variations due to differences in weather conditions.  
13 Like the sales forecast, the key economic variables  
14 included in the sendout model are real electric price,  
15 total non-manufacturing employment and the number of  
16 customers.

17 Q. Please explain how the forecast variables are derived.

18 A. The basis for the real electric price is the same as  
19 for the sales forecast. Total non-manufacturing  
20 employment is the sum of private non-manufacturing  
21 employment and governmental employment. The  
22 governmental employment projection is based on Moody's  
23 Economy.com forecast of total government employment.  
24 Total non-manufacturing employment is projected to

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1 decrease by 2.9% in 2009 and 0.5% in 2010, and increase  
2 by 1.6% in 2011, 2.7% in 2012, 2.1% in 2013, 1.1% in  
3 2014 and 0.9% in 2015. The number of customers is  
4 represented by the number of customers in the SC 9  
5 class.

6 Q. Does your forecast of system sendout reflect the impact  
7 of DSM programs?

8 A. Yes. Like the sales volume forecast, the sendout  
9 forecast is net of the impact of the DSM programs.

10 Q. Are there any other adjustments made to the sendout  
11 forecast?

12 A. Yes. The sendout forecast is also adjusted for  
13 projected losses in delivery volumes that result from  
14 customers who have informed the Company that they plan  
15 to convert a portion, or all, of their existing load to  
16 on-site generation.

17 Q. How do you determine the sendout forecasts for the  
18 different categories of sales volumes such as NYPA,  
19 EDDS and retail access sales volumes?

20 A. The NYPA and EDDS customer sendout forecasts are  
21 derived by applying the appropriate distribution  
22 efficiency factor to their respective sales volume  
23 forecasts. Forecasts for retail access customers are  
24 done using a proportional allocation.

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- 1 Q. How was the sendout for Con Edison full service  
2 customers derived?
- 3 A. It is derived by subtracting the sendout forecasts for  
4 NYPA, EDDS and retail access customers from the  
5 franchise area sendout.
- 6 Q. What is the actual and normalized sendout for 2008?
- 7 A. The actual franchise area sendout for 2008 was 62,062  
8 GWHs. The 2008 normalized sendout was 62,429 GWHs.
- 9 Q. Please summarize your sendout forecasts.
- 10 A. The 2009 sendout forecast is 61,697 GWHs, a decrease of  
11 732 GWHs from the 2008 normalized sendout. The 2010  
12 sendout forecast is 61,647 GWHs, 50 GWHs lower than the  
13 2009 sendout forecast. The sendout forecasts by rate  
14 year periods are 61,687 GWHs for the rate year ending  
15 March 2011, 62,081 GWHs for the rate year ending March  
16 2012, 62,218 GWHs for the rate year ending March 2013,  
17 62,652 GWHs for the rate year ending March 2014 and  
18 63,086 GWHs for the rate year ending March 2015.
- 19 Q. Do you need to disaggregate the quarterly sendout  
20 forecasts into monthly forecasts?
- 21 A. Yes. Company witness Kimball requires the monthly full  
22 service sendout for forecasting fuel costs.
- 23 Q. How are the quarterly sendout forecasts disaggregated  
24 into monthly sendouts?

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1 A. Quarterly sendouts are divided into monthly sendouts by  
2 reflecting the patterns of historical weather-  
3 normalized monthly sendout figures.

4 Q. I show the Panel a one-page document entitled "ELECTRIC  
5 SENDOUT, SALES VOLUMES, AND REVENUES FROM SALES VOLUMES  
6 - FORECASTED YEARS ENDING DECEMBER 31, 2009, DECEMBER  
7 31, 2010, MARCH 31, 2011, MARCH 31, 2012, MARCH 31,  
8 2013, MARCH 31, 2014, AND MARCH 31, 2015" and ask if it  
9 was prepared under the Panel's supervision and  
10 direction?

11 A. Yes, it was.

12 MARK FOR IDENTIFICATION AS EXHIBIT \_\_\_\_ (FP-7)

13 Q. Will you please describe what is shown on this Exhibit?

14 A. Yes. The Exhibit shows the forecast of electric system  
15 sendout, sales volumes and revenues from sales volumes  
16 for the calendar years 2009 and 2010, and the rate  
17 years ending March 31, 2011, March 31, 2012, March 31,  
18 2013, March 31, 2014 and March 31, 2015. Lines 1  
19 through 4 show sendout categories within the Con Edison  
20 franchise area, and the total sendout for each period.  
21 Lines 5 through 8 show electric system sales volumes  
22 for the same categories. Lines 9 through 21 show  
23 revenues for each of the periods. For the first rate

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1 year, as shown in column 3, lines 22 to 25 show the  
2 proposed revenue increases from sales volumes to Con  
3 Edison, NYPA and EDDS customers, as well as the  
4 associated revenue taxes, and line 26 shows total  
5 revenue at the proposed rates.

6 Q. I show the Panel a document consisting of seven pages,  
7 entitled "ELECTRIC SALES VOLUMES AND REVENUES FROM  
8 SALES VOLUMES BY SERVICE CLASSIFICATION" and ask if  
9 this exhibit was prepared under the Panel's supervision  
10 and direction?

11 A. Yes, it was.

12 MARK FOR IDENTIFICATION AS EXHIBIT \_\_\_\_ (FP-8)

13 Q. Does this Exhibit set forth the results of the  
14 forecasts?

15 A. Yes. This Exhibit sets forth in greater detail, by  
16 service classification, the data that were shown in  
17 summary form on Exhibit \_\_\_\_ (FP-7). Page 1 of this  
18 Exhibit shows the forecasted electric sales volumes and  
19 revenues by service classification for the year ending  
20 December 31, 2009. Kilowatt hour sales volumes are  
21 shown in Column 1, the annual sum of the monthly  
22 billable demand for Con Edison, NYPA and EDDS in Column  
23 2, non-competitive transmission and distribution  
24 delivery revenues at the current rates in Column 3,

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1 competitive service revenues at the current rates in  
2 Column 4, System Benefit Charge/Renewable Portfolio  
3 Standard revenues in Column 5, MSC and MAC revenues in  
4 Column 6, revenue taxes in Column 7, and total revenues  
5 at current rates in Column 8. Pages 2 through 7 are  
6 similar in format to page 1; page 2 covers the forecast  
7 for calendar year 2010, page 3 covers the forecast for  
8 the rate year ending March 31, 2011, page 4 covers the  
9 forecast for the rate year ending March 31, 2012, page  
10 5 covers the forecast for the rate year ending March  
11 31, 2013, page 6 covers the forecast for the rate year  
12 ending March 31, 2014 and page 7 covers the forecast  
13 for the rate year ending March 31, 2015. For the five  
14 rate years, the low income discounts are shown as a  
15 separate item on line 9 at the level proposed by the  
16 Customer Operations Panel. For the five rate years,  
17 the PSL 18-a Assessment as mandated by the 2009 New  
18 York State budget bill is shown as a separate item on  
19 line 10 at the level set in Case 08-E-0539. For the  
20 first rate year, as shown on page 3, the effect of the  
21 proposed changes in revenues, annualized for the rate  
22 year, are shown in Columns 9 through 11, with the  
23 associated increase in revenue taxes shown in Column  
24 12. Column 13 shows the total revenues at proposed

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1 rates. The total proposed revenue increase to Con  
2 Edison's customers of \$715,171,000, exclusive of GRT,  
3 consists of the non-competitive T&D related delivery  
4 revenue increase of \$701,081,000, the competitive  
5 service revenue decrease of \$1,692,000 and a MAC  
6 increase of \$15,782,000. The proposed rates also  
7 result in increases, exclusive of GRT, in NYPA delivery  
8 revenue of \$110,059,000, and in EDDS revenue of  
9 \$5,410,000. The resultant proposed overall increase  
10 for rate year one, inclusive of the increase in rates  
11 and charges of \$23,752,000 for revenue taxes, amounts  
12 to \$854,392,000.

13 Q. Should this revenue forecast be used as the basis for  
14 setting the revenue decoupling?

15 A. Yes. However, the Company is proposing a change to one  
16 of the service classifications that are included in the  
17 revenue decoupling mechanism ("RDM").

18 Q. Please explain the current methodology.

19 A. The current RDM is based on a total class revenue  
20 approach. That is, at the end of each rate year, the  
21 Company will reconcile, by service class, the actual  
22 delivery revenues to the "allowed delivery revenues."  
23 The Company will make refunds to customers if the  
24 actual delivery revenues are more than the allowed

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1 delivery revenues and surcharge customers if the actual  
2 delivery revenues are less than the allowed delivery  
3 revenues. The RDM is applicable to SCs 1, 2, 4, 5, 7,  
4 8, 9, and 12. In addition, NYPA is considered its own  
5 service class subject to the RDM. Certain customers  
6 and service classes are excluded from the RDM, such as  
7 SC 14.

8 Q. What change do you propose?

9 A. We propose to exclude the revenue from the service to  
10 Kennedy International Airport from the RDM.

11 Q. Please explain why this revenue should be excluded.

12 A. This revenue is from a single customer and, therefore,  
13 should be excluded from the RDM mechanism. Such  
14 treatment is similar to that approved in Case 08-E-0539  
15 for SC 13 where there was only one customer in the  
16 class.

17 Q. Assuming that retail access customers' supply costs  
18 were equivalent to the supply cost projected by the  
19 Company to its full service customers, and assuming  
20 that the NYPA and EDDS customers' supply costs were  
21 \$0.08946/kWh, as specified in the testimony of the  
22 Electric Rate Panel, what is the overall percentage  
23 increase corresponding to the total overall revenue  
24 increase?

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1 A. The percentage increase for the first rate year is 7.4  
2 percent.

3 Q. Has the Forecasting Panel prepared an exhibit that  
4 shows the future average prices of delivery and supply  
5 by service class, taking into account both the increase  
6 in proposed delivery rates and other expected changes,  
7 such as changes in the MSC and MAC?

8 A. Yes, we have prepared a one-page document entitled  
9 "FUTURE AVERAGE DELIVERY AND SUPPLY PRICES BY SERVICE  
10 CLASSIFICATION." In the Exhibit, we provide the  
11 forecast of the average price of T&D Delivery and  
12 Supply for each service classification for the five  
13 rate years. The supply charges reflect the effect of  
14 projected MSC and MAC charges based on the supply cost  
15 projections made by Company witness Kimball. The  
16 delivery charges consist of projected non-competitive  
17 T&D charges and projected competitive service charges  
18 based on three years of proposed delivery revenue  
19 increases and two years of forecasted delivery revenue  
20 increases as provided to us by the Rate Panel.

21 MARK FOR IDENTIFICATION AS EXHIBIT \_\_\_\_ (FP-9)

22 Q. Does this conclude the Panel's initial testimony?

23 A. Yes, it does.

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
VOLUME FORECASTING MODELS**

SC 1 (RESIDENTIAL AND RELIGIOUS)

Dependent Variable: DLOG(GWH01/BDA0,0,4)

Method: Least Squares

Sample: 1983Q1 2008Q4

Included observations: 104

Convergence achieved after 12 iterations

Backcast: 1982Q4

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.018564	0.001904	9.750572	0.000000
DLOG(PRICE01S(-1),0,4)	-0.132546	0.030214	-4.386964	0.000000
DLOG(PNEMP_N(-1),0,4)	0.203968	0.081026	2.517297	0.013500
D(WCDD0,0,4)	0.000320	4.48E-05	7.136504	0.000000
D(WCDD3,0,4)	0.000311	5.63E-05	5.528889	0.000000
D(WHDD0,0,4)	6.58E-05	1.26E-05	5.209090	0.000000
AR(1)	-0.798739	0.065310	-12.22992	0.000000
SAR(4)	-0.381597	0.100541	-3.795421	0.000300
MA(1)	0.969354	0.021885	44.29278	0.000000
R-squared	0.881180	Mean dependent var		0.023037
Adjusted R-squared	0.871174	S.D. dependent var		0.058285
S.E. of regression	0.020920	Akaike info criterion		-4.813684
Sum squared resid	0.041575	Schwarz criterion		-4.584843
Log likelihood	259.3116	F-statistic		88.06639
Durbin-Watson stat	1.902118	Prob(F-statistic)		0.000000
Inverted AR Roots	.56-.56i	.56-.56i	-.56+.56i	-.56+.56i
	-0.80			
Inverted MA Roots	-0.97			

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
VOLUME FORECASTING MODELS**

SC 2 (GENERAL - SMALL)

Dependent Variable: DLOG(GWH02/BDA0,0,4)

Method: Least Squares

Sample: 1983Q1 2008Q4

Included observations: 104

Convergence achieved after 34 iterations

Backcast: 1982Q4

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.003788	0.002673	1.417236	0.159700
DLOG(PRICE02S(-1),0,4)	-0.058187	0.025230	-2.306289	0.023300
DLOG(PNEMP_N(-1),1,4)	0.597736	0.205445	2.909467	0.004500
DLOG(NC02,0,4)	0.606159	0.123304	4.915982	0.000000
D(WCDD0,0,4)	0.000261	1.98E-05	13.17522	0.000000
D(WCDD24,0,4)	-4.48E-05	3.30E-05	-1.355009	0.178700
D(WHDD0,0,4)	5.83E-05	7.89E-06	7.388646	0.000000
AR(1)	0.841651	0.085346	9.861592	0.000000
SAR(4)	-0.446754	0.090325	-4.946049	0.000000
MA(1)	-0.633867	0.133185	-4.759304	0.000000
R-squared	0.834227	Mean dependent var		0.011771
Adjusted R-squared	0.818355	S.D. dependent var		0.031320
S.E. of regression	0.013349	Akaike info criterion		-5.703599
Sum squared resid	0.016749	Schwarz criterion		-5.449331
Log likelihood	306.5871	F-statistic		52.56005
Durbin-Watson stat	1.872809	Prob(F-statistic)		0.000000
Inverted AR Roots	0.84	.58+.58i	.58+.58i	-.58-.58i
		-.58-.58i		
Inverted MA Roots	0.63			

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
VOLUME FORECASTING MODELS**

SC 4 (COMMERCIAL AND INDUSTRIAL - REDISTRIBUTION)

Dependent Variable: DLOG(GWH04/BDA0,0,4)

Method: Least Squares

Sample: 1983Q1 2008Q4

Included observations: 104

Convergence achieved after 64 iterations

Backcast: 1981Q4 1982Q4

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.003080	0.005297	0.581386	0.562400
DLOG(PRICE04S(-1),0,4)	-0.021865	0.016099	-1.358137	0.177700
DLOG(PNEMP_N(-1),0,4)	0.562790	0.191734	2.935266	0.004200
D(WCDD0,0,4)	0.000179	1.69E-05	10.59174	0.000000
D(WHDD0,0,4)	3.60E-05	8.63E-06	4.172973	0.000100
D(D199504,0,4)	0.079423	0.011125	7.138890	0.000000
D(D199602,0,4)	-0.030755	0.011024	-2.789827	0.006400
D(WTC,0,4)	-0.044303	0.011085	-3.996584	0.000100
AR(1)	0.953358	0.026914	35.42219	0.000000
MA(1)	-0.238675	0.108618	-2.197381	0.030500
SMA(4)	-0.975239	0.012160	-80.20167	0.000000
R-squared	0.874565	Mean dependent var		0.018531
Adjusted R-squared	0.861078	S.D. dependent var		0.035910
S.E. of regression	0.013384	Akaike info criterion		-5.689712
Sum squared resid	0.016660	Schwarz criterion		-5.410017
Log likelihood	306.8650	F-statistic		64.84211
Durbin-Watson stat	1.948913	Prob(F-statistic)		0.000000
Inverted AR Roots	0.95			
Inverted MA Roots	0.99	0.24	.00+.99i	-.00-.99i
	-0.99			

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
VOLUME FORECASTING MODELS**

SC 7 (RESIDENTIAL AND RELIGIOUS - HEATING)

Dependent Variable: DLOG(GWH07/BDA0,0,4)

Method: Least Squares

Sample: 1983Q1 2008Q4

Included observations: 104

Convergence achieved after 15 iterations

Backcast: 1982Q1 1982Q4

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.000678	0.002315	-0.292708	0.770400
DLOG(PRICE07S(-2),0,4)	-0.178051	0.044245	-4.024195	0.000100
DLOG(NC07,0,4)	0.582148	0.331678	1.755162	0.082400
D(WCDD0,0,4)	0.000396	8.60E-05	4.599376	0.000000
D(WCDD24,0,4)	-0.000249	1.40E-04	-1.780122	0.078200
D(WHDD0,0,4)	0.000430	3.07E-05	14.01333	0.000000
MA(4)	-0.824309	0.071987	-11.45075	0.000000
R-squared	0.849661	Mean dependent var		0.005452
Adjusted R-squared	0.840362	S.D. dependent var		0.112203
S.E. of regression	0.044831	Akaike info criterion		-3.306916
Sum squared resid	0.194949	Schwarz criterion		-3.128928
Log likelihood	178.9596	F-statistic		91.36808
Durbin-Watson stat	1.821195	Prob(F-statistic)		0.000000
Inverted MA Roots	0.95	.00-.95i	-.00+.95i	-0.95

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
VOLUME FORECASTING MODELS**

SC 8 (MULTIPLE DWELLINGS - REDISTRIBUTION)

Dependent Variable: DLOG(GWH08/(BDA0),0,4)

Method: Least Squares

Sample: 1983Q1 2008Q4

Included observations: 104

Convergence achieved after 24 iterations

Backcast: 1981Q4 1982Q4

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.012219	0.000632	19.34564	0.000000
DLOG(PRICE08S(-3),0,4)	-0.048535	0.016556	-2.931632	0.004200
D(WCDD0,0,4)	0.000455	2.76E-05	16.48240	0.000000
D(WCDD24,0,4)	-5.53E-05	4.50E-05	-1.227983	0.222500
D(WHDD0,0,4)	5.04E-05	1.00E-05	5.034979	0.000000
AR(1)	0.816846	0.213232	3.830786	0.000200
MA(1)	-0.766512	0.240032	-3.193378	0.001900
SMA(4)	-0.736427	0.082752	-8.899242	0.000000
R-squared	0.904582	Mean dependent var		0.012686
Adjusted R-squared	0.897624	S.D. dependent var		0.046784
S.E. of regression	0.014969	Akaike info criterion		-5.491860
Sum squared resid	0.021511	Schwarz criterion		-5.288446
Log likelihood	293.5767	F-statistic		130.0143
Durbin-Watson stat	1.963356	Prob(F-statistic)		0.000000
Inverted AR Roots	0.82			
Inverted MA Roots	0.93	0.77	.00-.93i	

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
VOLUME FORECASTING MODELS**

SC 9 (GENERAL - LARGE)

Dependent Variable: DLOG((GWH09FG)/BDA0,0,4)

Method: Least Squares

Sample: 1983Q1 2008Q4

Included observations: 104

Convergence achieved after 18 iterations

Backcast: 1981Q4 1982Q4

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.000254	0.002564	-0.099249	0.921100
DLOG(PRICE09S(-4),0,4)	-0.033883	0.015014	-2.256831	0.026300
DLOG(PNEMP_N,0,4)	0.342279	0.059640	5.739048	0.000000
DLOG(NC09,0,4)	0.740617	0.116496	6.357423	0.000000
D(WCDD0,0,4)	0.000187	1.15E-05	16.27128	0.000000
D(WHDD0,0,4)	3.52E-05	5.81E-06	6.067226	0.000000
AR(1)	0.870394	0.068420	12.72129	0.000000
MA(1)	-0.456677	0.128524	-3.553248	0.000600
SMA(4)	-0.936999	0.020528	-45.64398	0.000000
R-squared	0.905971	Mean dependent var		0.022232
Adjusted R-squared	0.898053	S.D. dependent var		0.025384
S.E. of regression	0.008105	Akaike info criterion		-6.710116
Sum squared resid	0.006241	Schwarz criterion		-6.481275
Log likelihood	357.9260	F-statistic		114.4157
Durbin-Watson stat	1.986568	Prob(F-statistic)		0.000000
Inverted AR Roots	0.87			
Inverted MA Roots	0.98	0.46	-0.00+.98i	-0.00-.98i
	-0.98			

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
VOLUME FORECASTING MODELS**

SC 12 (MULTIPLE DWELLING SPACE HEATING)

Dependent Variable: DLOG(GWH12,0,12)  
Method: Least Squares  
Sample (adjusted): 1983M06 2008M12  
Included observations: 307 after adjustments  
Convergence achieved after 9 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.002728	0.005354	-0.509443	0.610800
D(CDD0,0,12)	0.000386	8.21E-05	4.699190	0.000000
D(CDD0(-1),0,12)	0.000538	8.27E-05	6.506587	0.000000
D(HDD0,0,12)	0.000375	3.78E-05	9.912333	0.000000
D(HDD0(-1),0,12)	0.000536	3.73E-05	14.35227	0.000000
DLOG(NC12,0,12)	0.276625	0.129287	2.139610	0.033200
D(D200309,0,12)	-0.172149	0.048448	-3.553241	0.000400
AR(1)	0.168975	0.056560	2.987516	0.003000
AR(2)	0.188074	0.057605	3.264913	0.001200
AR(4)	0.189268	0.056561	3.346257	0.000900
SAR(12)	-0.456999	0.051624	-8.852399	0.000000
R-squared	0.696801	Mean dependent var		-0.001347
Adjusted R-squared	0.686558	S.D. dependent var		0.110519
S.E. of regression	0.061875	Akaike info criterion		-2.692231
Sum squared resid	1.133238	Schwarz criterion		-2.558696
Log likelihood	424.2574	F-statistic		68.02581
Durbin-Watson stat	2.046031	Prob(F-statistic)		0.000000
Inverted AR Roots	.90+.24i	.90-.24i	0.79	.66-.66i
	.66+.66i	.24+.90i	.24-.90i	.03+.59i
	.03-.59i	-.24+.90i	-.24-.90i	-.66+.66i
	-.66+.66i	-0.69	-.90-.24i	-.90+.24i

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
VOLUME FORECASTING MODELS**

SC 13 (BULK POWER - HIGH TENSION - HOUSING DEVELOPMENTS)

Dependent Variable: DLOG(MWH13,0,12)  
Method: Least Squares  
Sample (adjusted): 1993M02 2008M12  
Included observations: 191 after adjustments  
Convergence achieved after 17 iterations  
Backcast: 1993M01

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.008151	0.004731	1.722795	0.086600
D(CDD0(-1),0,12)	0.000208	0.000104	1.998324	0.047200
D(HDD0(-1),0,12)	0.000240	4.70E-05	5.110979	0.000000
AR(1)	0.902044	0.070021	12.88253	0.000000
SAR(12)	-0.536912	0.066058	-8.127829	0.000000
SAR(24)	-0.369611	0.061480	-6.011932	0.000000
MA(1)	-0.793381	0.100736	-7.875886	0.000000
R-squared	0.391230	Mean dependent var		0.005084
Adjusted R-squared	0.371379	S.D. dependent var		0.072425
S.E. of regression	0.057422	Akaike info criterion		-2.840808
Sum squared resid	0.606706	Schwarz criterion		-2.721615
Log likelihood	278.2972	F-statistic		19.70816
Durbin-Watson stat	2.274356	Prob(F-statistic)		0.000000
Inverted AR Roots	.95+.16i	.95-.16i	0.9	.90-.33i
	.90+.33i	.74+.61i	.74-.61i	.61-.74i
	.61+.74i	.33-.90i	.33+.90i	.16+.95i
	.16-.95i	-.16-.95i	-.16+.95i	-.33-.90i
	-.33+.90i	-.61+.74i	-.61-.74i	-.74+.61i
	-.74-.61i	-.90-.33i	-.90+.33i	-.95+.16i
	-.95-.16i			
Inverted MA Roots	0.79			

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
VOLUME FORECASTING MODELS**

SENDOUT

Dependent Variable: DLOG(GWHSO,0,4)

Method: Least Squares

Sample: 1983Q1 2008Q4

Included observations: 104

Convergence achieved after 11 iterations

Backcast: 1982Q1 1982Q4

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.008752	0.004110	2.129181	0.035900
DLOG(PRICE_S(-3),0,4)	-0.040043	0.017313	-2.312842	0.022900
DLOG(EMP_N,0,4)	0.340422	0.095163	3.577270	0.000600
DLOG(NC09,0,4)	0.289926	0.166049	1.746031	0.084100
D(CDD,0,4)	0.000277	1.33E-05	20.91023	0.000000
D(CDD24,0,4)	-1.95E-05	2.06E-05	-0.943393	0.347900
D(HDD,0,4)	5.36E-05	4.95E-06	10.83540	0.000000
D(LEAPY,0,4)	0.013145	0.002799	4.697072	0.000000
AR(1)	0.610899	0.087627	6.971623	0.000000
MA(4)	-0.336318	0.105859	-3.177028	0.002000
R-squared	0.914526	Mean dependent var		0.019567
Adjusted R-squared	0.906343	S.D. dependent var		0.032427
S.E. of regression	0.009924	Akaike info criterion		-6.296530
Sum squared resid	0.009257	Schwarz criterion		-6.042262
Log likelihood	337.4196	F-statistic		111.7505
Durbin-Watson stat	1.929660	Prob(F-statistic)		0.000000
Inverted AR Roots	0.61			
Inverted MA Roots	0.76			

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
ELECTRIC FORECASTING MODEL STATISTICS**

<b>Model Statistics For Electric Sales Volume Forecasting Models</b>			
	<b>Adj R-Sqr *</b>	<b>SER</b>	<b>Durbin-Watson</b>
<b>SC1</b>	0.9930	2.1%	1.902
<b>SC2</b>	0.9818	1.3%	1.873
<b>SC4</b>	0.9914	1.3%	1.949
<b>SC9</b>	0.9882	0.8%	1.987

\* When the models are in differenced form, their Adj R-Sqr's are lower than shown in the table, because differencing accounts for a portion of the R-Sqr values.

Notes: Adj R-Sqr represents R Square adjusted for degrees of freedom.  
SER represents Standard Error of Regression.

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
CUSTOMERS FORECASTING MODELS**

SC 1 (RESIDENTIAL AND RELIGIOUS)

Dependent Variable: D(NC01,0,4)  
Method: Least Squares  
Sample: 1983Q1 2008Q4  
Included observations: 104  
Convergence achieved after 16 iterations  
Backcast: 1981Q4 1982Q4

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	13.69455	0.517997	26.43753	0.000000
AR(1)	0.930301	0.043447	21.41239	0.000000
MA(1)	0.302907	0.099955	3.030447	0.003100
SMA(4)	-0.934093	0.028959	-32.25536	0.000000
R-squared	0.866620	Mean dependent var		13.97254
Adjusted R-squared	0.862618	S.D. dependent var		4.912792
S.E. of regression	1.820929	Akaike info criterion		4.074273
Sum squared resid	331.5782	Schwarz criterion		4.175980
Log likelihood	-207.8622	F-statistic		216.5784
Durbin-Watson stat	1.892625	Prob(F-statistic)		0.000000
Inverted AR Roots	0.93			
Inverted MA Roots	0.98	.00+.98i	-.00-.98i	-0.30
	-0.98			

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
CUSTOMERS FORECASTING MODELS**

SC 2 (GENERAL - SMALL)

Dependent Variable: D(NC02,0,4)  
Method: Least Squares  
Sample: 1983Q1 2008Q4  
Included observations: 104  
Convergence achieved after 7 iterations  
Backcast: 1982Q4

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.288127	3.867536	1.108749	0.270200
AR(1)	0.970068	0.025101	38.64602	0.000000
SAR(4)	-0.450904	0.094647	-4.764079	0.000000
MA(1)	0.685861	0.076898	8.919056	0.000000
R-squared	0.960380	Mean dependent var		3.289471
Adjusted R-squared	0.959191	S.D. dependent var		4.905363
S.E. of regression	0.990942	Akaike info criterion		2.857382
Sum squared resid	98.19667	Schwarz criterion		2.959089
Log likelihood	-144.5838	F-statistic		807.9871
Durbin-Watson stat	1.806872	Prob(F-statistic)		0.000000
Inverted AR Roots	0.97 -.58-.58i	.58+.58i	.58+.58i	-.58-.58i
Inverted MA Roots	-0.69			

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
CUSTOMERS FORECASTING MODELS**

SC 4 (COMMERCIAL AND INDUSTRIAL - REDISTRIBUTION)

Dependent Variable: NC04  
Method: Least Squares  
Sample: 1983Q1 2008Q4  
Included observations: 104  
Convergence achieved after 4 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.257663	0.409458	5.513778	0.000000
AR(1)	0.339817	0.094872	3.581868	0.000500
AR(2)	0.319465	0.095691	3.338514	0.001200
AR(4)	0.292007	0.093059	3.137872	0.002200
R-squared	0.887318	Mean dependent var		1.801356
Adjusted R-squared	0.883937	S.D. dependent var		0.341513
S.E. of regression	0.116347	Akaike info criterion		-1.426784
Sum squared resid	1.353652	Schwarz criterion		-1.325077
Log likelihood	78.19279	F-statistic		262.4834
Durbin-Watson stat	2.266939	Prob(F-statistic)		0.000000
Inverted AR Roots	0.98	.06-.63i	.06+.63i	-0.76

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
CUSTOMERS FORECASTING MODELS**

SC 7 (RESIDENTIAL AND RELIGIOUS - HEATING)

Dependent Variable: NC07  
Method: Least Squares  
Sample: 1983Q1 2008Q4  
Included observations: 104  
Convergence achieved after 8 iterations  
Backcast: 1982Q1 1982Q4

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	20.07337	4.270137	4.700873	0.000000
AR(1)	0.992381	0.007371	134.6296	0.000000
MA(4)	0.318247	0.098299	3.237540	0.001600
R-squared	0.996643	Mean dependent var		15.78723
Adjusted R-squared	0.996576	S.D. dependent var		0.908194
S.E. of regression	0.053141	Akaike info criterion		-3.003307
Sum squared resid	0.285223	Schwarz criterion		-2.927026
Log likelihood	159.1720	F-statistic		14991.36
Durbin-Watson stat	1.606077	Prob(F-statistic)		0.000000
Inverted AR Roots	0.99			
Inverted MA Roots	.53-.53i	.53+.53i	-.53+.53i	-.53+.53i

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
CUSTOMERS FORECASTING MODELS**

SC 8 (MULTIPLE DWELLINGS - REDISTRIBUTION)

Dependent Variable: NC08  
Method: Least Squares  
Sample: 1983Q1 2008Q4  
Included observations: 104  
Convergence achieved after 4 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.069136	0.360342	5.742147	0.000000
AR(1)	0.990267	0.013579	72.92586	0.000000
R-squared	0.981181	Mean dependent var		1.820654
Adjusted R-squared	0.980997	S.D. dependent var		0.061506
S.E. of regression	0.008479	Akaike info criterion		-6.683461
Sum squared resid	0.007333	Schwarz criterion		-6.632608
Log likelihood	349.5400	F-statistic		5318.181
Durbin-Watson stat	1.753316	Prob(F-statistic)		0.000000
Inverted AR Roots	0.99			

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
CUSTOMERS FORECASTING MODELS**

SC 9 (GENERAL - LARGE)

Dependent Variable: DLOG(NC09,0,4)  
Method: Least Squares  
Sample: 1983Q1 2008Q4  
Included observations: 104  
Convergence achieved after 22 iterations  
Backcast: 1981Q3 1982Q4

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.004091	0.027658	0.147928	0.882700
AR(1)	0.987556	0.017663	55.91207	0.000000
MA(2)	0.192801	0.100132	1.925461	0.057000
SMA(4)	-0.948382	0.027502	-34.48399	0.000000
R-squared	0.888967	Mean dependent var		0.023961
Adjusted R-squared	0.885636	S.D. dependent var		0.011196
S.E. of regression	0.003786	Akaike info criterion		-8.277245
Sum squared resid	0.001433	Schwarz criterion		-8.175538
Log likelihood	434.4168	F-statistic		266.8782
Durbin-Watson stat	1.769874	Prob(F-statistic)		0.000000
Inverted AR Roots	0.99			
Inverted MA Roots	0.99			

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
CUSTOMERS FORECASTING MODELS**

SC 12 (MULTIPLE DWELLING SPACE HEATING)

Dependent Variable: D(NC12,0,12)  
Method: Least Squares  
Sample (adjusted): 1983M02 2008M12  
Included observations: 311 after adjustments  
Convergence achieved after 10 iterations  
Backcast: 1982M12 1983M01

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.114942	6.981950	0.016463	0.986900
AR(1)	0.954023	0.018048	52.85887	0.000000
SAR(12)	-0.437294	0.051727	-8.453937	0.000000
MA(1)	0.108128	0.058510	1.848031	0.065600
MA(2)	0.180892	0.058887	3.071873	0.002300
R-squared	0.933558	Mean dependent var		1.363344
Adjusted R-squared	0.932690	S.D. dependent var		24.27277
S.E. of regression	6.297386	Akaike info criterion		6.534093
Sum squared resid	12135.06	Schwarz criterion		6.594218
Log likelihood	-1011.051	F-statistic		1074.883
Durbin-Watson stat	1.978666	Prob(F-statistic)		0.000000
Inverted AR Roots	0.95	.90-.24i	.90+.24i	.66-.66i
	.66-.66i	.24+.90i	.24-.90i	-.24-.90i
	-.24+.90i	-.66+.66i	-.66+.66i	-.90+.24i
	-.90-.24i			
Inverted MA Roots	-.05+.42i	-.05-.42i		

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
ECONOMIC ASSUMPTIONS

	NUMBER OF CUSTOMERS (1,000)												PRIVATE NON-MANUFACTURING EMPLOYMENT (1,000)	REAL ELECTRIC PRICE (¢/KWHR)								
	SC.1	SC.2	SC.4	SC.5	SC.6	SC.7	SC.8	SC.9	SC.12	SC.1	SC.2	SC.4		SC.7	SC.8	SC.9						
2009	Q1	2,763,698	364,059	2,232	0.016	3,666	17,327	1,947	125,639	0.489	3,336.1	16,713	7,479	7,704	15,698							
	Q2	2,766,227	364,911	2,234	0.016	3,666	17,373	1,948	125,608	0.486	3,342.2	17,493	8,228	8,080	16,250							
	Q3	2,768,877	363,458	2,232	0.016	3,666	17,406	1,950	126,711	0.485	3,315.0	20,489	11,120	9,901	20,183							
	Q4	2,772,880	365,065	2,237	0.016	3,666	17,446	1,951	127,083	0.487	3,350.9	13,548	7,237	6,875	13,798							
2010	Q1	2,776,152	368,901	2,235	0.016	3,666	17,466	1,952	127,143	0.488	3,252.1	16,713	7,479	7,704	15,698							
	Q2	2,778,767	369,432	2,237	0.016	3,666	17,486	1,953	127,154	0.485	3,299.8	17,493	8,228	8,080	16,250							
	Q3	2,779,497	367,760	2,236	0.016	3,666	17,505	1,954	128,257	0.485	3,309.5	20,489	11,120	9,901	20,183							
	Q4	2,785,575	369,621	2,237	0.016	3,666	17,525	1,955	128,620	0.486	3,371.6	13,548	7,237	6,875	13,798							
2011	Q1	2,788,917	373,864	2,237	0.016	3,666	17,544	1,956	128,669	0.489	3,290.0	16,713	7,479	7,704	15,698							
	Q2	2,791,597	374,512	2,238	0.016	3,666	17,564	1,957	128,667	0.486	3,352.7	17,493	8,228	8,080	16,250							
	Q3	2,792,387	372,912	2,238	0.016	3,666	17,583	1,959	129,771	0.485	3,377.1	20,489	11,120	9,901	20,183							
	Q4	2,798,521	374,632	2,239	0.016	3,666	17,602	1,960	130,126	0.487	3,456.1	13,548	7,237	6,875	13,798							
2012	Q1	2,801,915	378,667	2,239	0.016	3,666	17,620	1,961	130,163	0.489	3,386.5	16,713	7,479	7,704	15,698							
	Q2	2,804,643	379,237	2,240	0.016	3,666	17,639	1,962	130,149	0.486	3,461.2	17,493	8,228	8,080	16,250							
	Q3	2,805,479	377,581	2,240	0.016	3,666	17,658	1,963	131,254	0.485	3,490.7	20,489	11,120	9,901	20,183							
	Q4	2,811,655	379,342	2,240	0.016	3,666	17,676	1,964	131,601	0.487	3,570.0	13,548	7,237	6,875	13,798							
2013	Q1	2,815,088	383,448	2,241	0.016	3,666	17,694	1,965	131,626	0.489	3,490.7	16,713	7,479	7,704	15,698							
	Q2	2,817,853	384,032	2,241	0.016	3,666	17,712	1,966	131,601	0.486	3,557.1	17,493	8,228	8,080	16,250							
	Q3	2,818,722	382,380	2,241	0.016	3,666	17,730	1,967	132,706	0.486	3,575.0	20,489	11,120	9,901	20,183							
	Q4	2,824,930	384,102	2,242	0.016	3,666	17,748	1,968	133,046	0.487	3,643.3	13,548	7,237	6,875	13,798							
2014	Q1	2,828,392	388,156	2,242	0.016	3,666	17,766	1,969	133,060	0.490	3,550.6	16,713	7,479	7,704	15,698							
	Q2	2,831,184	388,715	2,242	0.016	3,666	17,784	1,970	133,023	0.486	3,608.0	17,493	8,228	8,080	16,250							
	Q3	2,832,078	387,042	2,243	0.016	3,666	17,801	1,971	134,129	0.486	3,618.6	20,489	11,120	9,901	20,183							
	Q4	2,838,310	388,763	2,243	0.016	3,666	17,818	1,972	134,461	0.487	3,682.9	13,548	7,237	6,875	13,798							
2015	Q1	2,841,794	392,823	2,243	0.016	3,666	17,836	1,973	134,465	0.490	3,586.8	16,713	7,479	7,704	15,698							

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
NYPA VOLUME FORECASTING MODELS**

Dependent Variable: SC62GWHR  
 Method: Least Squares  
 Sample: 1998M01 2008M12  
 Included observations: 132  
 Convergence achieved after 33 iterations  
 Backcast: 1997M12

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.029528	0.696117	-0.042418	0.966200
HDDCYCA	0.000621	0.000059	10.46578	0.000000
TRIPAVG	0.038993	0.022697	1.717989	0.088200
AR(1)	0.985675	0.002244	439.3068	0.000000
MA(1)	-0.984154	0.011054	-89.03466	0.000000
R-squared	0.886443	Mean dependent var		2.283515
Adjusted R-squared	0.882866	S.D. dependent var		0.577425
S.E. of regression	0.197622	Akaike info criterion		-0.367775
Sum squared resid	4.959934	Schwarz criterion		-0.258578
Log likelihood	29.27314	F-statistic		247.8451
Durbin-Watson stat	1.793471	Prob(F-statistic)		0.000000
Inverted AR Roots	0.99			
Inverted MA Roots	0.98			

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
NYPA VOLUME FORECASTING MODELS**

Dependent Variable: SC80GWHR  
Method: Least Squares  
Sample: 1996M02 2008M12  
Included observations: 155  
Convergence achieved after 8 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	6.562012	0.593500	11.05646	0.000000
BURNHRSNYC	0.071799	0.001594	45.03072	0.000000
SC80WATTADJ	-6.161332	0.300980	-20.47089	0.000000
AR(1)	0.628839	0.063332	9.929215	0.000000
R-squared	0.984345	Mean dependent var		29.637970
Adjusted R-squared	0.984034	S.D. dependent var		5.5715130
S.E. of regression	0.703993	Akaike info criterion		2.1613720
Sum squared resid	74.83661	Schwarz criterion		2.2399120
Log likelihood	-163.5063	F-statistic		3164.8710
Durbin-Watson stat	2.186784	Prob(F-statistic)		0.0000000
Inverted AR Roots	0.63			

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
NYPA VOLUME FORECASTING MODELS**

Dependent Variable: D(SC91GWHR,0,12)  
Method: Least Squares  
Sample: 1999M01 2008M12  
Included observations: 120  
Convergence achieved after 11 iterations  
Backcast: 1997M12 1998M12

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	17.06745	0.695686	24.53326	0.000000
D(HDDCALA,0,12)	0.142995	0.031132	4.593251	0.000000
D(CDDCALA,0,12)	0.380895	0.071393	5.335165	0.000000
D(TRIP18,0,12)	8.343556	2.628082	3.174770	0.001900
D(WEATHER2005,0,12)	53.90117	18.24826	2.953771	0.003800
MA(1)	-0.279054	0.090573	-3.080982	0.002600
SMA(12)	-0.867414	0.032163	-26.96901	0.000000
R-squared	0.608006	Mean dependent var		17.52013
Adjusted R-squared	0.587193	S.D. dependent var		46.04634
S.E. of regression	29.58482	Akaike info criterion		9.668962
Sum squared resid	98904.53	Schwarz criterion		9.831566
Log likelihood	-573.1377	F-statistic		29.21167
Durbin-Watson stat	1.977812	Prob(F-statistic)		0.000000
Inverted MA Roots	0.99	.86+.49i	.86-.49i	.49-.86i
	.49+.86i	0.28	.00-.99i	-.00+.99i
	-.49-.86i	-.49+.86i	-.86-.49i	-.86+.49i
	-0.99			

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
NYPA VOLUME FORECASTING MODELS**

Dependent Variable: KIACMWHR  
Method: Least Squares  
Sample: 1999M01 2008M12  
Included observations: 120  
Convergence achieved after 36 iterations  
Backcast: 1998M12

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-2.538933	3.242100	-0.783114	0.435200
HDDCALA(-1)	0.006997	0.000432	16.20973	0.000000
CDDCALA(-1)	0.010473	0.000780	13.41810	0.000000
TRIP02	1.016858	0.058010	17.52908	0.000000
LITERAIL	2.596191	1.340426	1.936840	0.055300
AR(1)	0.980680	0.028408	34.52174	0.000000
MA(1)	-0.720790	0.079398	-9.078145	0.000000
R-squared	0.892574	Mean dependent var		32.16758
Adjusted R-squared	0.886870	S.D. dependent var		3.148189
S.E. of regression	1.058888	Akaike info criterion		3.008879
Sum squared resid	126.7007	Schwarz criterion		3.171483
Log likelihood	-173.5328	F-statistic		156.4808
Durbin-Watson stat	2.363771	Prob(F-statistic)		0.000000
Inverted AR Roots	0.98			
Inverted MA Roots	0.72			

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
SALES AND SENDOUT ADJUSTMENTS

	Impact of DSM on Sales - GWhs											Impact of DSM on Sendout GWhs
	Con Ed DSM Impact											
	SC.1	SC.2	SC.4	SC.5	SC.7	SC.8	SC.9	SC.12	SC.13	Total Con Ed Sales Impact	Total NYPA Sales Impact	
Annual 2009	(53)	(6)	(87)	0	0	(15)	(220)	(13)	(63)	(457)	(8)	(496)
Annual 2010	(120)	(21)	(192)	0	0	(34)	(513)	(34)	(150)	(1,064)	(23)	(1,169)
<b>RATE YEAR SUMMARY</b>												
12 months ending March 2011	(141)	(27)	(221)	0	0	(41)	(598)	(42)	(150)	(1,220)	(39)	(1,348)
12 months ending March 2012	(234)	(49)	(399)	(6)	0	(77)	(1,097)	(77)	(150)	(2,089)	(115)	(2,358)
12 months ending March 2013	(288)	(70)	(594)	(12)	0	(119)	(1,642)	(110)	(152)	(2,987)	(173)	(3,382)
12 months ending March 2014	(323)	(84)	(741)	(12)	0	(168)	(2,045)	(118)	(154)	(3,645)	(228)	(4,151)
12 months ending March 2015	(347)	(95)	(856)	(12)	0	(203)	(2,357)	(127)	(154)	(4,151)	(275)	(4,746)

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
SALES AND SENDOUT ADJUSTMENTS

**Impact of New Distributed Generation on Sales - GWhs**

	SC.1	SC.2	SC.4	SC.5	SC.7	SC.8	SC.9	SC.12	SC.13	SC.14	Total Con Ed Sales Impact	Impact on Sendout Gwhs
Annual 2009	0	0	(23)	0	0	0	(33)	0	0	15	(41)	(43)
Annual 2010	0	0	(87)	0	0	0	(77)	0	0	37	(127)	(137)
<b>RATE YEAR SUMMARY</b>												
12 months ending March 2011	0	0	(91)	0	0	0	(95)	0	0	39	(147)	(153)
12 months ending March 2012	0	0	(91)	0	0	0	(97)	0	0	38	(150)	(161)
12 months ending March 2013	0	0	(91)	0	0	0	(97)	0	0	38	(150)	(161)
12 months ending March 2014	0	0	(91)	0	0	0	(97)	0	0	38	(150)	(161)
12 months ending March 2015	0	0	(91)	0	0	0	(97)	0	0	38	(150)	(161)

**Impact on Sales of SC 14 Phase in Customers Transferring from SC 4 & 9 to SC 14 Customers - GWhs**

	SC.1	SC.2	SC.4	SC.5	SC.7	SC.8	SC.9	SC.12	SC.13	SC.14	Total Con Ed Sales Impact	Impact on Sendout Gwhs
Annual 2009	0	0	0	0	0	0	0	0	0	0	0	0
Annual 2010	0	0	0	0	0	0	0	0	0	0	0	0
<b>RATE YEAR SUMMARY</b>												
12 months ending March 2011	0	0	0	0	0	0	(6)	0	0	6	0	0
12 months ending March 2012	0	0	0	0	0	0	(79)	0	0	79	0	0
12 months ending March 2013	0	0	0	0	0	0	(79)	0	0	79	0	0
12 months ending March 2014	0	0	0	0	0	0	(79)	0	0	79	0	0
12 months ending March 2015	0	0	0	0	0	0	(79)	0	0	79	0	0

**Total Impact of SC 14 Standby Service**

	SC.1	SC.2	SC.4	SC.5	SC.7	SC.8	SC.9	SC.12	SC.13	SC.14	Total Con Ed Sales Impact	Impact on Sendout Gwhs
Annual 2009	0	0	(23)	0	0	0	(33)	0	0	15	(41)	(43)
Annual 2010	0	0	(87)	0	0	0	(77)	0	0	37	(127)	(137)
<b>RATE YEAR SUMMARY</b>												
12 months ending March 2011	0	0	(91)	0	0	0	(101)	0	0	45	(147)	(153)
12 months ending March 2012	0	0	(91)	0	0	0	(176)	0	0	117	(150)	(161)
12 months ending March 2013	0	0	(91)	0	0	0	(176)	0	0	117	(150)	(161)
12 months ending March 2014	0	0	(91)	0	0	0	(176)	0	0	117	(150)	(161)
12 months ending March 2015	0	0	(91)	0	0	0	(176)	0	0	117	(150)	(161)

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.**  
**ELECTRIC SENDOUT, SALES VOLUMES AND REVENUES FROM SALES VOLUMES**  
**FORECASTED YEARS ENDING DECEMBER 31, 2009, DECEMBER 31, 2010, MARCH 31, 2011, MARCH 31, 2012, MARCH 31, 2013, MARCH 31, 2014 AND MARCH 31, 2015**

		FORECASTED						
	Forecast Year Ended 12/31/2009 (1)	Forecast Year Ended 12/31/2010 (2)	Forecast Year Ended 3/31/2011 (3)	Forecast Year Ended 3/31/2012 (4)	Forecast Year Ended 3/31/2013 (5)	Forecast Year Ended 3/31/2014 (6)	Forecast Year Ended 3/31/2015 (7)	
1	<b>SENDOUT - MILLION KILOWATTHOURS</b>							
2	49,204	49,065	49,061	49,287	49,306	49,583	49,832	
3	11,437	11,613	11,657	11,828	11,949	12,104	12,288	
4	1,056	969	969	966	963	965	966	
	61,697	61,647	61,687	62,081	62,218	62,652	63,086	
5	<b>SALES VOLUMES - MILLION KILOWATTHOURS</b>							
6	46,373	45,811	45,788	45,918	45,980	46,187	46,397	
7	10,830	10,998	11,035	11,194	11,334	11,484	11,658	
8	985	899	899	899	899	899	899	
	58,188	57,708	57,722	58,011	58,213	58,570	58,954	
9	<b>REVENUES - \$1,000</b>							
10	\$3,253,283	\$3,315,014	\$3,313,799	\$3,314,113	\$3,310,990	\$3,319,180	\$3,329,360	
11	109,676	106,515	106,147	105,580	105,135	105,145	105,272	
12	2,945,751	3,157,359	3,206,903	3,256,346	3,374,116	3,430,189	3,323,315	
13	137,107	191,346	196,136	120,797	65,396	38,149	0	
14	6,445,817	6,770,234	6,822,985	6,796,836	6,855,037	6,892,663	6,757,947	
15	427,069	440,673	440,659	439,833	438,676	439,229	440,267	
16	28,802	26,471	26,471	26,471	26,471	26,471	26,471	
17	198,385	206,778	208,035	208,365	210,407	211,702	206,524	
18	\$654,256	\$673,922	\$675,165	\$674,669	\$675,554	\$677,402	\$673,262	
19			(22,869)	(22,869)	(22,869)	(22,869)	(22,869)	
20	\$7,100,073	\$7,444,156	\$7,673,281	\$7,646,636	\$7,706,322	\$7,745,196	\$7,606,340	
21								
22	<b>PROPOSED RATE INCREASE - ANNUALIZED</b>							
23	\$715,171							
24	110,059							
25	5,410							
	23,752							
	\$854,392							
26	\$7,100,073	\$7,444,156	\$8,527,673	\$7,646,636	\$7,706,322	\$7,745,196	\$7,606,340	

\* Delivery Revenues at Current Rates do not reflect the Low Income Discount

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
ELECTRIC SALES VOLUMES AND REVENUES FROM SALES VOLUMES BY SERVICE CLASSIFICATION  
FORECASTED 12 MONTHS ENDING DECEMBER 31, 2009

CATEGORY	SC NO.	DESCRIPTION	REVENUES (\$1,000)							TOTAL REVENUE AT CURRENT RATES (8)
			(1)	(2)	(3)	(4)	(5)	(6)	(7)	
			VOLUMES (MILLION KWHR)	SUM OF MONTHLY BILLABLE DEMAND (MW)	NON COMPETITIVE DELIVERY REVENUES AT CURRENT RATES *	COMPETITIVE SERVICE RATES BPP/MFC/METERING	SBC/RPS	MSC AND MAC REVENUES	REVENUE TAX	
CON EDISON CUSTOMERS										
1	1	RESIDENTIAL & RELIGIOUS SPACE HEATING	14,227		\$1,395,761	\$69,635	\$42,020	\$1,254,685	\$104,013	\$2,866,114
	7	TOTAL RESIDENTIAL	192		12,852	874	569	16,101	983	31,379
			14,419		1,408,613	70,509	42,589	1,270,786	104,996	2,897,493
2	2	GENERAL SMALL	2,211		233,790	9,157	6,538	177,708	9,714	436,907
4	4	COMM. & IND. REDISTRIBUTION	6,873	16,035	353,251	2,363	20,325	233,462	14,115	623,516
8	8	MULT. DWELL. REDISTRIBUTION	2,035	4,421	108,820	1,639	6,014	119,498	5,590	241,561
9	9	GENERAL LARGE	20,107	50,665	1,120,170	25,604	59,487	1,115,640	52,470	2,373,371
12	12	MULT. DWELL. SPACE HEATING	452	923	16,864	241	1,337	15,437	820	34,499
13	13	BULK POWER - H. T. - HOUSING DEVEL.	86	162	1,819	112	251	8,629	262	11,073
		TOTAL COMMERCIAL & INDUSTRIAL	31,764	72,206	1,834,514	39,116	93,952	1,670,374	82,971	3,720,927
5	5	RAILROADS	120	287	3,936	0	354	2,289	161	6,740
6	6	STREET LIGHTING	13		1,792	50	39	1,122	61	3,064
3	3	TOTAL PUBLIC AUTHORITY	133	287	5,728	50	393	3,411	222	9,804
4	14	STANDBY SERVICE ** Phase In	57	317	3,964	1	173	1,180	102	5,420
5		TOTAL CON EDISON CUSTOMERS	46,373	72,810	3,253,283	109,676	137,107	2,945,751	188,291	6,634,108
6		ECONOMIC DEVELOPMENT DELIVERY SERVICE	985	1,827	28,802				604	29,406
7		NYP&A CUSTOMERS	10,830	22,884	427,069				9,490	436,559
8		TOTAL SYSTEM	58,188	97,521	\$3,709,154	\$109,676	\$137,107	\$2,945,751	\$198,385	\$7,100,073

\* Non-Competitive Delivery Revenues At Current Rates do not reflect the Low Income Discount  
\*\* Demand is Contracted Demand

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
ELECTRIC SALES VOLUMES AND REVENUES FROM SALES VOLUMES BY SERVICE CLASSIFICATION  
FORECASTED 12 MONTHS ENDING DECEMBER 31, 2010**

CATEGORY	SC NO.	DESCRIPTION	REVENUES (\$1,000)							
			(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			VOLUMES (MILLION KWHR)	SUM OF MONTHLY BILLABLE DEMAND (MW)	NON COMPETITIVE DELIVERY REVENUES AT CURRENT RATES *	COMPETITIVE SERVICE RATES BPP/MFC/METERING	SBC/RPS	MSC AND MAC REVENUES	REVENUE TAX	TOTAL REVENUE AT CURRENT RATES
<b>CON EDISON CUSTOMERS</b>										
1	1	RESIDENTIAL & RELIGIOUS	14,262		\$1,440,779	\$67,272	\$59,536	\$1,368,915	\$109,067	\$3,045,569
	7	SPACE HEATING	190		13,331	820	798	16,753	1,020	32,722
		TOTAL RESIDENTIAL	14,452		1,454,110	68,092	60,334	1,385,668	110,087	3,078,291
	2	GENERAL SMALL	2,217		241,300	9,080	9,260	198,913	10,410	468,963
	4	COMM. & IND. REDISTRIBUTION	6,588	15,310	344,634	2,122	27,526	222,643	13,772	610,697
	8	MULT DWELL REDISTRIBUTION	2,030	4,398	110,855	1,611	8,478	129,955	5,921	256,820
	9	GENERAL LARGE	19,880	50,035	1,134,454	25,335	83,064	1,199,790	55,049	2,497,692
	12	MULT DWELL SPACE HEATING	431	861	16,072	224	1,797	15,364	807	34,264
	13	BULK POWER - H. T. - HOUSING DEVEL.	0	0	0	0	0	0	0	0
2		TOTAL COMMERCIAL & INDUSTRIAL	31,146	70,604	1,847,315	38,372	130,125	1,766,665	85,959	3,868,436
	5	RAILROADS	120	278	3,905	0	498	2,209	161	6,773
	6	STREET LIGHTING	13		1,846	50	53	1,255	64	3,268
3		TOTAL PUBLIC AUTHORITY	133	278	5,751	50	551	3,464	225	10,041
4	14	STANDBY SERVICE ** Phase In	80	712	7,129	1	336	1,562	165	9,193
5		TOTAL CON EDISON CUSTOMERS	45,811	71,594	3,315,014	106,515	191,346	3,157,359	196,436	6,966,670
6		ECONOMIC DEVELOPMENT DELIVERY SERVICE	899	1,665	26,471				550	27,021
7		NYPA CUSTOMERS	10,998	22,943	440,673				9,792	450,465
8		TOTAL SYSTEM	57,708	96,202	\$3,782,158	\$106,515	\$191,346	\$3,157,359	\$206,778	\$7,444,156

\* Non-Competitive Delivery Revenues At Current Rates do not reflect the Low Income Discount  
\*\* Demand is Contracted Demand

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
ELECTRIC SALES VOLUMES AND REVENUES FROM SALES VOLUMES BY SERVICE CLASSIFICATION  
FORECASTED 12 MONTHS ENDING MARCH 31, 2011

CATEGORY	SC.NO.	DESCRIPTION	REVENUES (\$1,000)												
			(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	VOLUMES (MILLION KWHR)	SUM OF MONTHLY BILLABLE DEMAND (MW)	NON-COMPETITIVE DELIVERY REVENUES AT CURRENT RATES	COMPETITIVE SERVICE RATES	SECURPS	MSC AND MAC REVENUES	REVENUE TAX	TOTAL REVENUE AT CURRENT RATES	PROPOSED CHANGE IN NON-COMPETITIVE RATES	PROPOSED CHANGE IN COMPETITIVE SERVICE RATES	PROPOSED CHANGE IN REVENUES IN MAC	REVENUE TAX INCREASE FROM	TOTAL REVENUE AT PROPOSED RATES		
CON EDISON CUSTOMERS															
1	14,303		1,443,900	66,969	61,192	1,393,929	109,794	3,075,784	\$309,862	\$284	\$6,978	\$9,065	\$3,401,873		
	190		13,331	820	829	17,545	1,035	33,550	2,909	(16)	63	65	36,601		
	14,483		1,457,231	67,789	62,021	1,411,474	110,829	3,109,344	312,771	268	6,941	9,150	3,436,474		
2	2,220		241,482	9,077	9,533	204,048	10,539	474,679	50,414	74	1,150	1,477	527,794		
4	6,561		342,961	2,103	28,109	222,372	13,740	609,285	70,308	(536)	1,634	2,042	682,733		
8	2,029		110,614	1,596	8,683	131,578	5,959	258,430	23,038	(124)	527	670	282,541		
9	19,637		1,131,364	25,308	84,983	1,216,704	55,406	2,513,785	238,858	(1,385)	5,389	6,945	2,763,592		
12	422		15,695	221	1,836	15,443	801	33,996	3,288	6	75	96	37,461		
13	0		0	0	0	0	0	0	0	0	0	0	0		
	31,069		1,842,136	38,305	133,144	1,790,145	86,445	3,890,175	385,906	(1,965)	8,775	11,230	4,294,121		
5	120		3,912	0	513	2,184	161	6,770	156	0	19	5	6,952		
6	13		1,846	50	56	1,292	65	3,309	490	4	9	14	3,826		
	133		5,768	50	569	3,476	226	10,079	648	4	28	19	10,778		
4	93		8,073	3	402	1,808	195	10,481	1,621	1	38	47	12,188		
			601				601		135			4	740		
	45,788		3,313,799	106,147	196,136	3,206,903	197,695	7,020,680	701,081	(1,692)	15,782	20,450	7,766,301		
6	899		26,471				550	27,021	5,410			155	32,586		
	11,035		440,659				9,790	450,449	110,059			3,147	563,655		
7	57,722		\$3,780,929	\$106,147	\$196,136	\$3,206,903	208,035	\$7,498,150	\$816,550	(\$1,692)	\$15,782	\$23,752	\$8,352,542		
8			(22,869)					(\$22,869)					(\$22,869)		
9				192,834			5,166	198,000					198,000		
10	57,722		\$3,758,060	\$298,981	\$196,136	\$3,206,903	213,201	\$7,673,281	\$816,550	(\$1,692)	\$15,782	\$23,752	\$8,527,673		
11															

\* Demand is Contracted Demand

**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
ELECTRIC SALES VOLUMES AND REVENUES FROM SALES VOLUMES BY SERVICE CLASSIFICATION  
FORECASTED 12 MONTHS ENDING MARCH 31, 2012**

CATEGORY	SC.NO.	DESCRIPTION	REVENUES (\$1,000)							TOTAL REVENUE AT CURRENT RATES (6)
			VOLUMES (MILLION KWHR) (1)	SUM OF MONTHLY BILLABLE DEMAND (MW) (2)	NON COMPETITIVE DELIVERY REVENUES AT CURRENT RATES (3)	COMPETITIVE SERVICE RATES BPP/MFC/METERING (4)	MSC AND MAC REVENUES (5)	REVENUE TAX (7)	REVENUE TAX (7)	
<b>CON EDISON CUSTOMERS</b>										
1	1	RESIDENTIAL & RELIGIOUS	14,606		\$1,467,692	\$66,382	\$38,076	\$1,403,840	\$110,982	\$3,086,972
	7	SPACE HEATING	192		13,384	797	460	17,307	1,029	\$32,977
		TOTAL RESIDENTIAL	14,798		1,481,076	67,179	38,536	1,421,147	112,011	3,119,949
2	2	GENERAL SMALL	2,242		243,284	9,091	5,858	207,799	10,583	476,615
	4	COMM. & IND. REDISTRIBUTION	6,484	14,730	334,109	2,123	17,216	235,232	13,579	602,259
	8	MULT. DWELL. REDISTRIBUTION	2,026	4,293	109,283	1,553	5,298	132,251	5,864	254,249
	9	GENERAL LARGE	19,693	48,672	1,115,392	25,362	52,188	1,238,347	54,767	2,486,056
	12	MULT. DWELL. SPACE HEATING	387	704	13,327	209	930	14,631	702	29,799
	13	BULK POWER - H. T. - HOUSING DEVEL.	0	0	0	0	0	0	0	0
		TOTAL COMMERCIAL & INDUSTRIAL	30,832	68,399	1,815,395	38,338	81,490	1,828,260	85,495	3,848,978
3	5	RAILROADS	114	267	3,747	0	309	2,296	154	6,506
	6	STREET LIGHTING	13	267	1,846	50	33	1,296	65	3,290
		TOTAL PUBLIC AUTHORITY	127	267	5,593	50	342	3,592	219	9,796
4	14	STANDBY SERVICE *	161	1,126	12,049	13	429	3,347	327	16,165
5		TOTAL CON EDISON CUSTOMERS	45,918	69,792	3,314,113	105,580	120,797	3,256,346	198,052	6,994,888
6		ECONOMIC DEVELOPMENT DELIVERY SERVICE	899	1,665	26,471				550	27,021
7		NYPA CUSTOMERS	11,194	22,944	439,833				9,763	449,596
8		SUBTOTAL SYSTEM	58,011	94,401	\$3,780,417	\$105,580	\$120,797	\$3,256,346	\$208,365	\$7,471,505
9		CON EDISON LOW INCOME DISCOUNT			(22,869)					(\$22,869)
10		PSL 18-a ASSESSMENT				192,834			5,166	198,000
11		TOTAL SYSTEM	58,011	94,401	\$3,757,548	\$298,414	\$120,797	\$3,256,346	\$213,531	\$7,646,636

\* Demand is Contracted Demand



**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
ELECTRIC SALES VOLUMES AND REVENUES FROM SALES VOLUMES BY SERVICE CLASSIFICATION  
FORECASTED 12 MONTHS ENDING MARCH 31, 2014**

CATEGORY	SC NO.	DESCRIPTION	REVENUES (\$1,000)							TOTAL REVENUE AT CURRENT RATES (6)
			VOLUMES (MILLION KWHR) (1)	SUM OF MONTHLY BILLABLE DEMAND (MW) (2)	NON COMPETITIVE DELIVERY REVENUES AT CURRENT RATES (3)	COMPETITIVE SERVICE RATES BPP/MFC/METERING (4)	SBC/RPS (5)	MSC AND MAC REVENUES (6)	REVENUE TAX (7)	
CON EDISON CUSTOMERS										
1	1	RESIDENTIAL & RELIGIOUS	15,256		\$1,516,549	\$65,711	\$13,002	\$1,482,324	\$114,505	\$3,192,091
	7	SPACE HEATING	192		13,388	752	111	16,539	1,003	31,793
		TOTAL RESIDENTIAL	15,448		1,529,937	66,463	13,113	1,498,863	115,508	3,223,884
2	2	GENERAL SMALL	2,257		244,187	9,073	1,779	226,449	10,941	492,429
	4	COMM. & IND. REDISTRIBUTION	6,382	14,060	321,240	2,231	5,227	256,888	13,496	599,082
	8	MULT. DWELL. REDISTRIBUTION	1,987	4,116	105,613	1,505	1,685	134,374	5,741	248,918
	9	GENERAL LARGE	19,490	47,139	1,090,682	25,620	15,918	1,294,228	54,636	2,481,084
	12	MULT. DWELL. SPACE HEATING	342	520	10,145	190	195	12,387	553	23,470
	13	BULK POWER - H. T. - HOUSING DEVEL.	0	0	0	0	0	0	0	0
		TOTAL COMMERCIAL & INDUSTRIAL	30,458	65,835	1,771,867	38,619	24,804	1,924,326	85,367	3,844,983
3	5	RAILROADS	108	246	3,477	0	84	2,291	142	5,994
	6	STREET LIGHTING	13		1,846	50	12	1,218	63	3,189
		TOTAL PUBLIC AUTHORITY	121	246	5,323	50	96	3,509	205	9,183
4	14	STANDBY SERVICE *	160	1,126	12,053	13	136	3,491	323	16,016
5		TOTAL CON EDISON CUSTOMERS	46,187	67,207	3,319,180	105,145	38,149	3,430,189	201,403	7,094,066
6		ECONOMIC DEVELOPMENT DELIVERY SERVICE	899	1,665	26,471				550	27,021
7		NYPA CUSTOMERS	11,484	22,941	439,229				9,749	448,978
8		TOTAL SYSTEM	58,570	91,813	\$3,784,880	\$105,145	\$38,149	\$3,430,189	\$211,702	\$7,570,065
9		CON EDISON LOW INCOME DISCOUNT			(22,869)					(\$22,869)
10		PSL 18-a ASSESSMENT				192,834			5,166	198,000
11		TOTAL SYSTEM	58,570	91,813	\$3,762,011	\$297,979	\$38,149	\$3,430,189	\$216,868	\$7,745,196

\* Demand is Contracted Demand

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
ELECTRIC SALES VOLUMES AND REVENUES FROM SALES VOLUMES BY SERVICE CLASSIFICATION  
FORECASTED 12 MONTHS ENDING MARCH 31, 2015

CATEGORY	SC NO.	DESCRIPTION	REVENUES (\$1,000)							TOTAL REVENUE AT CURRENT RATES (8)
			VOLUMES (MILLION KWHR) (1)	SUM OF MONTHLY BILLABLE DEMAND (MW) (2)	NON COMPETITIVE DELIVERY REVENUES AT CURRENT RATES (3)	COMPETITIVE SERVICE RATES BPP/MFC/METERING (4)	SBC/RPS (5)	MSC AND MAC REVENUES (6)	REVENUE TAX (7)	
CON EDISON CUSTOMERS										
1	1	RESIDENTIAL & RELIGIOUS	15,572		\$1,540,491	\$65,550	\$0	\$1,442,407	\$111,544	\$3,159,992
	7	SPACE HEATING	193		13,416	732	0	15,612	959	\$30,719
		TOTAL RESIDENTIAL	15,765		1,553,907	66,282	0	1,458,019	112,503	3,190,711
2	2	GENERAL SMALL	2,269		244,973	9,101	0	221,704	10,896	486,674
4	4	COMM. & IND. REDISTRIBUTION	6,334	13,809	316,378	2,264	0	241,897	12,835	573,374
8	8	MULT. DWELL. REDISTRIBUTION	1,978	4,049	104,234	1,510	0	129,708	5,530	240,982
9	9	GENERAL LARGE	19,438	46,652	1,082,884	25,865	0	1,255,137	53,521	2,417,407
12	12	MULT. DWELL. SPACE HEATING	332	485	9,639	187	0	10,668	484	20,978
13	13	BULK POWER - H. T. - HOUSING DEVEL.	0	0	0	0	0	0	0	0
		TOTAL COMMERCIAL & INDUSTRIAL	30,351	64,995	1,758,108	38,927	0	1,859,114	83,266	3,739,415
5	5	RAILROADS	108	242	3,440	0	0	1,951	127	5,518
6	6	STREET LIGHTING	13		1,846	50	0	1,191	63	3,150
		TOTAL PUBLIC AUTHORITY	121	242	5,286	50	0	3,142	190	8,668
4	14	STANDBY SERVICE *	160	1,126	12,059	13	0	3,040	243	15,355
5		TOTAL CON EDISON CUSTOMERS	46,397	66,363	3,329,360	105,272	0	3,323,315	196,202	6,954,149
6		ECONOMIC DEVELOPMENT DELIVERY SERVICE	899	1,665	26,471				548	27,019
7		NYPA CUSTOMERS	11,658	23,007	440,267				9,774	450,041
8		TOTAL SYSTEM	58,954	91,035	\$3,796,098	\$105,272	\$0	\$3,323,315	\$206,524	\$7,431,209
9		CON EDISON LOW INCOME DISCOUNT			(22,869)					(\$22,869)
10		PSC 18-a ASSESSMENT				192,834			5,166	198,000
11		TOTAL SYSTEM	58,954	91,035	\$3,773,229	\$298,106	\$0	\$3,323,315	\$211,690	\$7,606,340

\* Demand is Contracted Demand

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
FUTURE AVERAGE DELIVERY AND SUPPLY PRICES BY SERVICE CLASSIFICATION

SC. NO.	DESCRIPTION	Rate Year Ended 3/31/2011				Rate Year Ended 3/31/2012				Rate Year Ended 3/31/2013				Rate Year Ended 3/31/2014				Rate Year Ended 3/31/2015			
		VOLUMES (MILLION KWHR) (1)	T&D DELIVERY REVENUES (\$1,000) (2)	SUPPLY REVENUES (\$1,000) (3)	TOTAL REVENUES (\$1,000) (4)	VOLUMES (MILLION KWHR) (5)	T&D DELIVERY REVENUES (\$1,000) (6)	SUPPLY REVENUES (\$1,000) (7)	TOTAL REVENUES (\$1,000) (8)	VOLUMES (MILLION KWHR) (9)	T&D DELIVERY REVENUES (\$1,000) (10)	SUPPLY REVENUES (\$1,000) (11)	TOTAL REVENUES (\$1,000) (12)	VOLUMES (MILLION KWHR) (13)	T&D DELIVERY REVENUES (\$1,000) (14)	SUPPLY REVENUES (\$1,000) (15)	TOTAL REVENUES (\$1,000) (16)				
CON EDISON CUSTOMERS		14,303	\$1,922,182	\$1,924,674	14,606	\$2,108,412	\$1,982,388	14,924	\$2,279,199	\$2,109,217	15,256	\$2,418,895	\$2,202,522	15,572	\$2,594,628	\$2,209,877					
1	RESIDENTIAL & RELIGIOUS	190	18,508	23,206	192	19,842	23,446	192	21,082	23,862	192	21,852	23,637	193	23,085	23,557					
7	SPACE HEATING	2,220	320,878	330,346	2,242	349,052	337,550	2,248	372,084	355,095	2,257	389,221	376,619	2,269	412,605	376,340					
8	GENERAL SMALL	2,029	148,838	280,231	2,026	156,880	282,922	2,011	163,205	272,492	1,987	168,611	272,411	1,978	172,912	286,800					
2	MULT. DWELL. REDISTRIBUTION	26,398	1,887,050	3,456,975	26,177	2,087,681	3,478,725	25,974	2,170,273	3,596,134	25,872	2,235,858	3,649,216	25,772	2,331,689	3,598,848					
4 & 9	GENERAL LARGE	422	21,758	49,271	387	19,502	46,075	350	16,518	41,414	342	16,161	39,600	332	16,101	40,052					
12	MULT. DWELL. SPACE HEATING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
13	BULK POWER - H. T. - HOUSING DEVEL.	120	4,729	2,251	114	4,737	2,368	108	4,687	2,391	108	4,713	2,391	108	4,858	2,013					
5	RAILROADS	13	2,528	1,328	13	2,736	1,358	13	2,921	1,398	13	3,047	1,256	13	3,221	1,230					
6	STREET LIGHTING	93	11,160	13,902	161	19,842	24,687	160	17,857	25,567	160	19,621	27,158	160	19,643	27,187					
14	STANDBY SERVICE	45,788	4,437,627	6,064,184	45,918	4,785,684	6,156,473	45,980	5,047,766	6,430,530	46,187	5,274,979	6,594,678	46,387	5,578,702	6,546,164					
TOTAL CON EDISON CUSTOMERS		899	\$32,783	\$82,725	899	\$35,948	\$82,725	899	\$39,619	\$82,725	899	\$40,509	\$82,725	899	\$43,054	\$82,725					
EDDS CUSTOMERS		11,035	\$568,466	\$1,015,419	11,194	\$619,819	\$1,030,050	11,334	\$684,152	\$1,042,933	11,484	\$697,478	\$1,056,736	11,668	\$743,045	\$1,072,747					
NYP&A CUSTOMERS																					
CON EDISON CUSTOMERS			13.44	13.46		14.44	13.57		15.37	14.13		15.86	14.44		16.66	14.19					
1	RESIDENTIAL & RELIGIOUS		9.74	12.21		10.33	12.21		10.67	12.43		11.38	12.26		11.95	12.21					
7	SPACE HEATING		14.45	14.88		15.57	15.06		16.55	15.80		17.25	16.69		18.18	16.59					
2	GENERAL SMALL		7.34	12.83		7.74	12.98		8.12	13.55		8.39	13.71		8.74	13.50					
8	MULT. DWELL. REDISTRIBUTION		5.16	11.68		5.04	11.65		4.72	11.83		4.73	11.58		4.85	12.06					
4 & 9	GENERAL LARGE		N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A					
12	MULT. DWELL. SPACE HEATING		3.94	1.88		4.16	2.08		4.34	2.21		4.36	2.19		4.50	1.86					
13	BULK POWER - H. T. - HOUSING DEVEL.		19.43	10.22		21.05	10.25		22.47	10.45		23.44	9.86		24.78	9.46					
5	RAILROADS		12.00	14.95		10.46	15.33		11.18	15.68		11.84	16.97		12.28	16.98					
6	STREET LIGHTING		9.60	13.24		10.38	13.41		10.88	13.99		11.42	14.28		12.02	14.11					
14	STANDBY SERVICE		3.65	9.20		4.00	9.20		4.30	9.20		4.51	9.20		4.79	9.20					
TOTAL CON EDISON CUSTOMERS			5.13	9.20		5.54	9.20		5.86	9.20		6.07	9.20		6.37	9.20					
EDDS CUSTOMERS																					
NYP&A CUSTOMERS																					

Notes: Excludes PSL 18-a Assessment.  
Delivery revenues consist of non-competitive T&D charges, competitive service charges (i.e., BPP, MFC and metering charges, as applicable), SBC and RPS charges, and uncollectible bill expense associated with MSC and MAC.  
Supply revenues assume projected MSC and MAC Charges. Supply revenues for the 12 months ended 3/31/2011 reflect the proposed MAC rate increase.