

FORECASTING PANEL - GAS

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

3 A. Frank C. Yaegel and Joanna Ostrowska. 4 Irving Place,  
4 New York, New York 10003.

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

7 A. We are employed by Consolidated Edison Company of New  
8 York, Inc. ("Con Edison" or the "Company").

9 (Yaegel) I have been employed by Con Edison since  
10 1972. In March 1983, I was promoted to the position  
11 of Gas and Steam Forecast Manager. I received a  
12 Bachelor of Science degree in Economics from the City  
13 University of New York. I have also completed the  
14 Executive Education Program for the Gas Industry  
15 conducted by the University of Colorado, Boulder  
16 Graduate School of Business.

17 (Ostrowska) I am employed by Con Edison as a Senior  
18 Analyst in the Gas and Steam section of the Revenue  
19 and Volume Forecasting Department in Corporate  
20 Accounting. I joined Con Edison in January 2007. I  
21 received a Bachelor's degree in Business  
22 Administration from Pace University in 2002 and I am  
23 currently enrolled in the Masters of Business  
24 Administration program at Fordham University. Prior

FORECASTING PANEL - GAS

1 to working for the Company, I worked as a Financial  
2 Analyst for approximately five years.

3 Q. What are your current responsibilities?

4 A. (Yaegel) I supervise the Gas and Steam Volume and  
5 Revenue Forecasting section of the Revenue and Volume  
6 Forecasting Department. In this position, I am  
7 responsible for forecasting Con Edison and Orange &  
8 Rockland gas sendout, delivery volumes, and resultant  
9 revenues as well as Con Edison steam delivery volumes  
10 and resultant revenues. Additionally, I am  
11 responsible for the collection, maintenance, and  
12 dissemination of weather data as well as the periodic  
13 updating of the Company's weather normals used to  
14 forecast electric, gas and steam sales and sendout.

15 (Ostrowska) My current responsibilities include  
16 assisting in the development of the Con Edison Gas  
17 Volume and Revenue forecast under the direction of the  
18 Gas and Steam Forecasting section Manager. I will  
19 serve as the Chairperson of the Panel.

20 Q. Have you previously submitted testimony to the New  
21 York State Public Service Commission ("Commission")?

22 A. Yes. We have both either testified or submitted  
23 testimony in prior case(s).

24 Q. What is the purpose of the Forecasting Panel's

FORECASTING PANEL - GAS

1 testimony in this proceeding?

2 A. The Forecasting Panel's testimony presents the  
3 Company's forecast of gas delivery volumes and  
4 revenues for the rate year, the twelve months ended  
5 September 30, 2011. It addresses the development of  
6 the forecast and the key components expected to impact  
7 future delivery volumes. The forecasted firm delivery  
8 volumes for the rate year are 116,432 MDTs. This  
9 represents an average annual growth rate of  
10 approximately 1.4 percent over the weather normalized  
11 historic year firm delivery volumes.

12 The forecast of firm delivery revenues to Tariff  
13 customers (other than Service Classification 14) was  
14 determined based on billing determinants. Revenues  
15 from contractual customers were based on the current  
16 contract terms and revenues from Service  
17 Classification 14 were determined using prices as of  
18 June 2009. Fuel related revenues were provided by  
19 Company witness Olmsted. Estimated revenues  
20 associated with the increase in rates and charges were  
21 provided by the Accounting Panel. Billing and Payment  
22 Processing Charge revenues were estimated based on the  
23 estimate of bills in the rate year and a weighted rate  
24 charged per bill. PSL 18-a assessment charges were

FORECASTING PANEL - GAS

1 estimated based on the rate year volume forecast and  
2 the current unit charges billed to customers. "Other  
3 Charges," which include Merchant Function Charges,  
4 Monthly Rate Adjustment Charges, System Benefit  
5 Charges, and Energy Efficiency Charges, were  
6 separately computed by the Accounting Panel and added  
7 for presentation purposes. Based on detailed rate  
8 design data and billing determinant data the  
9 Forecasting Panel provided to them, the Gas Rate Panel  
10 determined the rates required to generate the proposed  
11 revenue requirement in this proceeding. That amount  
12 inclusive of increase in rates and charges is  
13 \$160,882,000. Assuming all firm customers to be full  
14 service customers, the proposed base rate increase to  
15 firm customers' total costs equates to 8.3 percent.  
16 Since the Company is also proposing a three-year rate  
17 plan, the Forecasting Panel has also provided the  
18 Accounting Panel with estimated volumes and revenues  
19 for rate years two and three.

20 FIRM DELIVERY VOLUME FORECAST

21 Q. Please describe the forecast methodology.

22 A. The process begins with the weather normalization of  
23 the historic year volumes to neutralize deviations in  
24 volumes due to warmer or colder than normal weather.

FORECASTING PANEL - GAS

1 Weather normalized volumes are then adjusted to  
2 reflect that portion of volumes yet to be realized  
3 from large volume firm customers attached at some  
4 point in the historic year as well interruptible  
5 customers who were moved to firm service during the  
6 historic year. These adjustments, together with water  
7 normalization as well as billing schedule adjustments,  
8 yield the base estimate that serves as the starting  
9 point for the rate year firm volume forecast. The key  
10 components that are projected to affect the level of  
11 the rate year firm volumes include new business,  
12 volume transferred to interruptible service,  
13 conservation and attrition, employment and future  
14 customer reaction to price changes.

15 Q. Was Exhibit \_ (FP-1), entitled "CONSOLIDATED EDISON  
16 COMPANY OF NEW YORK, INC. - DEVELOPMENT OF 12 MONTHS  
17 ENDING SEPTEMBER 30, 2011 - FORECASTED FIRM GAS  
18 DELIVERY VOLUMES (Mmts)," prepared under the  
19 Forecasting Panel's supervision and direction?

20 A. Yes, it was.

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

22 Q. Please describe line 1 of Exhibit \_ (FP-1).

23 A. Line 1 of Exhibit \_ (FP-1) shows the gas delivery  
24 volumes recorded during the historic year (12 months

FORECASTING PANEL - GAS

1 ended June 30, 2009) detailed on a service  
2 classification basis.

3 Q. Please describe the Weather Normalization adjustment  
4 shown on line 2.

5 A. Line 2 shows the Weather Normalization adjustment  
6 necessary to recognize that the historic year volumes  
7 were higher than expected due to colder than normal  
8 weather experienced. The historic year, on a heating  
9 degree-day basis, was approximately 5.5 percent colder  
10 than normal. The impact on firm delivery volumes by  
11 service classification was calculated monthly by  
12 multiplying the variation between normal and actual  
13 heating degree-days, measured on a billing cycle  
14 basis, by a "use per heating degree-day per average  
15 customer factor" times the actual number of customers.  
16 The factors, by service classification grouping, were  
17 determined by regression analysis of actual average  
18 monthly-billed volumes per customer per billing day  
19 versus actual monthly billing cycle heating degree-  
20 days per billing day. The resultant weather  
21 normalization adjustment represents a 2.8 percent  
22 downward adjustment to the total historic year  
23 volumes.

24 Q. Please define normal weather.

FORECASTING PANEL - GAS

- 1 A. Normal weather is defined as the average weather  
2 condition over the 30 calendar years ended 2008. A  
3 30-year average condition is used by the National  
4 Weather Service to define normal conditions and is a  
5 widely accepted standard in the energy industry. The  
6 30-year average condition is utilized in the Company's  
7 gas Weather Normalization Clause and updated on an  
8 annual basis.
- 9 Q. Please explain the Annualization Adjustment labeled  
10 Large Volume Customers.
- 11 A. Large volume customers are customers estimated to use  
12 10,000 dts or more annually. The Annualization  
13 Adjustment reflects the impact on delivery volumes yet  
14 to be realized from new large volume firm customers  
15 added during the historic year. The Forecasting Panel  
16 will explain new business related to small volume new  
17 business later in our testimony.
- 18 Q. Please explain the Annualization Adjustment labeled  
19 Transfers From Interruptible Service shown on line 5.
- 20 A. In the first half of 2009, some 156 interruptible  
21 customers were moved to firm service. Most of these  
22 customers were moved due to non-compliance with  
23 interruptible service tariff requirements. The load  
24 shown on line 5 represents the usage by these customers

FORECASTING PANEL - GAS

1 under interruptible service during the historic rate  
2 year.

3 Q. Please explain the Water Normalization adjustment  
4 shown on line 7.

5 A. In addition to variances in space heating requirements  
6 caused by abnormal weather conditions, deviations from  
7 normal water temperatures impact water heating  
8 requirements. Based on an analysis of the historic  
9 relationship of air and water temperatures, a normal  
10 water temperature condition consistent with the normal  
11 weather condition was developed. The resultant normal  
12 water temperature condition was then compared to the  
13 actual water temperature conditions during the  
14 historic year.

15 In the non-space heating classifications of SC 1 and  
16 SC 2, usage per degree of water temperature for the  
17 average customer was determined by regression  
18 analysis. Those resultant usage factors were applied  
19 in a similar manner as the space heating factors were  
20 in the weather normalization adjustment to derive the  
21 water normalization adjustments shown on line 7.

22 Water temperatures during the historic year were  
23 warmer than normal and, as a result, the historic year

FORECASTING PANEL - GAS

1 delivery volumes lower than they otherwise should have  
2 been, resulting in an upward adjustment of 163 Mdts.

3 Q. Please explain the Billing Schedule Adjustments shown  
4 on line 8.

5 A. These adjustments recognize that the historic year had  
6 more billing days than the billings days associated  
7 with the rate year (12 months ending September 30,  
8 2011).

9 Q. What does line 9, Base Estimate, represent?

10 A. The Base Estimate represents the historic year's  
11 volumes adjusted to normal weather and water  
12 temperatures, as well as for large volume customers  
13 occurring during the historic year that will impact  
14 future firm delivery volumes and the number of billing  
15 days in the rate year. It serves as the starting  
16 point for the rate year's firm delivery volume  
17 forecast.

18 Q. Please explain the "Small Volume New Business"  
19 forecast shown on line 10.

20 A. The "Small Volume New Business" forecast represents  
21 the estimate of expected incremental small firm new  
22 business delivery volumes to be realized in the rate  
23 year associated with new construction and conversion  
24 customers connected and projected to be added to the

FORECASTING PANEL - GAS

1 system between July 2008 and September 2011.

2 Q. Please explain in detail how the "small volume new  
3 business" forecast is developed.

4 A. The "small volume new business" forecast is a product  
5 of econometric models used to forecast the numbers  
6 of customers in SC 2 rate 1 and SC 2 rate 2, and in SC  
7 3, split between customers in the 1-4 dwelling group  
8 and those in the greater than 4 dwelling unit group.  
9 Each model consists of two parts: the first part is a  
10 regression model, which correlates the sales volume  
11 with the set of independent variables selected into  
12 the model; the second part is an integrated  
13 autoregressive and moving average ("ARIMA") model.  
14 The combined model is often referred to as an ARIMAX  
15 model in modeling literature, where the letter "X"  
16 stands for the set of independent variables included  
17 in the model. The ARIMA model can take many different  
18 forms, and each model has its own ARIMA structures,  
19 statistically determined according to the data pattern  
20 of each group modeled.  
21 In forecasting modeling, the model can include only a  
22 few economic variables, such as the level of  
23 employment or price ratio of oil to gas. All other  
24 economic variables, which may have an effect on the

## FORECASTING PANEL - GAS

1 level of new customers but either are not quantifiable  
2 or have no data available, are excluded from the  
3 model. The ARIMA mechanism captures the collective  
4 effect of those excluded variables. In addition,  
5 ARIMA smoothes out autocorrelation issues in the data.  
6 The models were developed on a monthly basis, with the  
7 modeling period starting in March 2002 and ending in  
8 June 2009. Dummy variables were included to account  
9 for outliers observed in the source data.

10 In SC 2 rate 1, no economic variables were included  
11 but two separate dummy variables were included to  
12 account for outliers in the data.

13 In SC 2 rate 2, the economic variables included were  
14 the logarithm of the price ratio of oil to gas and two  
15 dummy variables to remove the effects of outliers in  
16 the source data.

17 In SC 3 (1-4 dwelling unit group), two economic  
18 variables were included, the first being the year over  
19 year logarithm of the price ratio of oil to gas, and  
20 the second being the year over year differences in the  
21 logarithm of total non-manufacturing employment. One  
22 dummy variable was included to account for the  
23 outliers in the data.

24 In SC 3 (greater than 4 dwelling unit group), two

FORECASTING PANEL - GAS

1 economic variables were included, the first being the  
2 year over year difference in the price ratio of oil to  
3 gas, and the second being the year over year  
4 difference in the logarithm of total non-manufacturing  
5 employment.

6 Three dummy variables were included to account for the  
7 outliers in the data.

8 Q. Please explain the "Large Volume New Business"  
9 forecast shown on line 11.

10 A. These volumes are associated with a relatively small  
11 number of identified large volume customers estimated  
12 to take service after June 30, 2009 for all or part of  
13 the rate year.

14 Q. Please explain the Distributed Generation forecast  
15 shown in line 12.

16 A. This represents the anticipated usage in the rate year  
17 of five large new distributed generation customers  
18 anticipated to take service before the start of the  
19 rate year. All of these customers were priced under  
20 the terms of Rider H.

21 Q. Please explain the Transfer to Interruptible Service  
22 forecast shown on line 13.

23 A. This represents the historic annual volumes of one  
24 very large customer included in the Transfers from

FORECASTING PANEL - GAS

1 Interruptible Service forecast previously discussed.  
2 Under the terms of the Company's tariff, this customer  
3 is eligible to return to interruptible service in May  
4 2010.

5 Q. Is it possible that during the winters of 2009/2010  
6 and 2010/2011 other interruptible customers might move  
7 or be moved to firm service?

8 A. That is possible. It is also possible that other  
9 customers from the group of 156 customers who moved or  
10 were moved during this past winter might elect to  
11 return to interruptible service.

12 Q. Please explain the basis of the Conservation and  
13 Attrition forecast shown on line 14.

14 A. The forecast shown in the column labeled SC 1 relates  
15 to the overall decline in volumes delivered in this  
16 residential service classification where the end use  
17 is predominantly for cooking. Volumes in SC 1 have  
18 declined at an average annual rate of 0.6 percent per  
19 year over the last 10 years. This historic trend is  
20 related, in part, to customer reclassification when  
21 customers convert to gas for their space heating  
22 requirements. The forecast assumes that this  
23 declining trend will continue. The forecasts shown in  
24 the columns labeled SC 2 Nht, SC 2 Ht, and SC 3

FORECASTING PANEL - GAS

1 represent the anticipated reduction in volumes as a  
2 result of the replacement of existing space and water  
3 heating equipment with newer, more energy efficient  
4 equipment.

5 The forecast assumes replacements of equipment based  
6 on the assumption of a 20 year equipment life and  
7 energy savings of approximately 20 percent for those  
8 replacing space heating equipment and approximately  
9 20-40 percent for those replacing water heating  
10 equipment.

11 Q. Please explain the basis for the projected impact of  
12 Employment shown on line 15.

13 A. Employment relative to the levels experienced during  
14 the historic year is projected to continue to decline  
15 through 2010 and begin to improve in 2011 but not  
16 return to 2008 levels until 2012. Historically,  
17 analysis of firm commercial classification volumes  
18 indicate that the percent change in commercial volumes  
19 per percent change in employment is approximately  
20 0.57. The projected change in employment and the  
21 assumed change in volumes at this rate yield the  
22 projected volume impact shown on line 14. The Company  
23 receives its employment projections from Moody's  
24 Economy.com.

FORECASTING PANEL - GAS

- 1 Q. Please explain the basis for the projected impact of  
2 Price shown on line 15.
- 3 A. This projection reflects that customers will see  
4 higher bills at the start of the rate year as a result  
5 of the delivery rate increase proposed in this  
6 proceeding, and that their reaction to price equates  
7 to a price elasticity coefficient of 0.1.
- 8 Q. What is the significance of the price elasticity  
9 coefficient of 0.1?
- 10 A. The forecast assumes a 0.1 percent decrease in usage  
11 for each 1.0 percent increase in the total bill for  
12 their usage.
- 13 Q. Did the Forecasting Panel apply the price elasticity  
14 coefficient to all firm customers?
- 15 A. No. The forecast does not assume any customer  
16 reaction to prices in the SC 1 service classification  
17 nor in the SC 3 residential space heating service  
18 classification where the delivery volumes are  
19 associated with customers with greater than four  
20 dwelling units. Customers in the SC 1 service  
21 classification are predominantly small cooking  
22 customers with limited potential to reduce their usage  
23 as a result of price changes. Residential space  
24 heating in the SC 3 service classification with more

FORECASTING PANEL - GAS

1 than four dwelling units also have limited potential  
2 to reduce usage in the short term since the level of  
3 heating comfort they must supply to their tenants is  
4 dictated by law.

5 Q. What are the projected firm delivery volumes for the  
6 rate year?

7 A. Line 15 summarizes the firm delivery volume forecast  
8 for the rate year. As previously noted, firm delivery  
9 volumes are estimated to total 116,432 Mdts. This  
10 represents a 3,519 MDTS increase over the historic  
11 year's volume adjusted to normal weather. This  
12 equates to an average annual growth rate of 1.4%.

13 RATE YEAR REVENUE FORECAST

14 Q. Was Exhibit \_ (FP-2), entitled "CONSOLIDATED EDISON  
15 COMPANY OF NEW YORK, INC. - FORECASTED GAS DELIVERY  
16 VOLUMES AND REVENUES - 12 MONTHS ENDING SEPTEMBER 30,  
17 2011 AT CURRENT AND PROPOSED RATES," prepared under  
18 the Forecasting Panel's supervision and direction?

19 A. Yes, it was.

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

21 Q. Please describe this Exhibit \_ (FP-2).

22 A. Column 1 shows by service classification grouping, the  
23 annual gas delivery volumes forecasted for the rate  
24 year.

FORECASTING PANEL - GAS

1 The firm gas service classifications are: SC 1 -  
2 residential and religious; SC 2 Nht - commercial and  
3 industrial (non-heating); SC 2 Ht - commercial and  
4 industrial (heating); SC 3 - residential and religious  
5 heating; SC 13 - seasonal off peak water heating; and  
6 SC 14 - natural gas vehicle customers.

7 Q. Please continue.

8 A. Also shown in column 1 is projected non-firm SC 12  
9 Rate 1 and off peak firm SC 12 Rate 2 delivery volumes  
10 for the rate year.

11 Q. Please describe the differences between SC 12 Rate 1  
12 and SC 12 Rate 2.

13 A. The differences between SC 12 Rate 1 and SC 12 Rate 2  
14 service are the type of service provided, the manner  
15 in which rates are developed, and how the resulting  
16 revenue margins are treated.

17 Q. How were the rate year volumes projected for SC 12  
18 Rate 1 developed?

19 A. The forecast of the future volumes for SC 12 Rate 1  
20 reflects a number of adjustments to the historic year  
21 volumes. These adjustments include a downward weather  
22 adjustment that was computed in a similar manner as  
23 the weather normalization adjustments for the weather  
24 sensitive firm rate classifications. The historic

FORECASTING PANEL - GAS

1 year volumes were also adjusted for the net difference  
2 between the actual level of service interruptions in  
3 the historic year and the estimated level of service  
4 interruptions during the rate year assuming normal  
5 weather conditions.

6 The forecast was also adjusted for the transfer of  
7 load from interruptible to firm service we previously  
8 mentioned.

9 Q. How were the rate year volumes projected for SC 12  
10 Rate 2 developed?

11 A. The forecast of rate year volumes for SC 12 Rate 2 was  
12 developed in a manner consistent with that of SC 12  
13 Rate 1. In effect, the forecast was developed by  
14 considering normal weather in the future, accounting  
15 for the difference between actual and estimated  
16 service interruptions assuming normal weather  
17 conditions, load transferring from interruptible to  
18 firm service, and the estimate of firm load projected  
19 to return to interruptible service.

20 Q. Please explain how the base revenues, shown in column  
21 2, for firm related delivery volumes were determined.

22 A. For SC's 1, 2, 3, and 13, the forecast base revenues  
23 by month were computed on a billing determinant basis.  
24 The process in effect is the product of three steps:

FORECASTING PANEL - GAS

1 1) the estimated number of 30 day bills associated  
2 with the forecasted usage was multiplied by the  
3 current minimum charge rate to obtain minimum charge  
4 revenues, 2) the forecast usage was broken down into  
5 usage by rate block and multiplied by the associated  
6 unit rate in each rate block, and 3) the minimum  
7 charge revenues and block charge revenues were summed  
8 to obtain total base revenues. The air conditioning  
9 sales of certain customers within these service  
10 classifications are charged lower rates for such  
11 incremental sales and were priced separately. Volumes  
12 to distributed generation customers and contract  
13 customers were priced according to the rate/contract  
14 terms of each group. The volumes related to SC 14  
15 were priced at the existing tariff rate, which  
16 includes fuel costs.

17 Q. Please explain how the Base Revenues related to the  
18 projected delivery volumes for SC 12 Rate 1 were  
19 determined.

20 A. SC 12 Rate 1 has a number of rate sub-groups, the  
21 differences in these sub-groups being the annual usage  
22 requirements needed to qualify and the manner in which  
23 rates are computed (e.g., consideration of the type of  
24 alternative fuel used by the customers in the sub-

FORECASTING PANEL - GAS

1 group). Most of the customers in SC 12 Rate 1 take  
2 service under rate sub-group "A/B." The delivery rate  
3 for customers in this sub-group are designed to be  
4 less than the delivery rate charged to firm service  
5 rate customers.

6 Customers taking full service in the other rate sub-  
7 groups within SC 12 Rate 1 are generally charged  
8 applicable gas commodity costs, a contribution to gas  
9 pipeline demand costs and a variable delivery rate  
10 that attempts to maximize delivery revenues and enable  
11 a total gas price competitive to the representative  
12 alternative fuel price. In no case would customers  
13 taking full service be charged a total price below the  
14 commodity cost of gas plus \$0.10 per dekatherm.

15 Customers taking service in the other rate sub-groups  
16 within SC 12 Rate 1 who purchase their gas from  
17 marketers are charged the same delivery rate as full  
18 service customers.

19 Q. Please explain how the Base Revenues, shown in column  
20 2, related to the projected delivery volumes for SC 12  
21 Rate 2, were determined.

22 A. Customers taking full service are generally charged:  
23 (1) commodity costs; (2) a contribution to pipeline  
24 demand costs; and (3) a fixed tariff delivery charge

FORECASTING PANEL - GAS

1 that is based on the term of service elected by the  
2 customer.

3 Customers electing to purchase their gas from a  
4 marketer pay the same applicable tariff delivery  
5 charge as full service customers. The projected gas  
6 costs and alternative fuel prices that formed the  
7 basis for the SC 12 Rate 1 and SC 12 Rate 2 base  
8 revenues shown in Column (2) were provided to us by  
9 Company witness Olmsted.

10 Q. Please continue with your description of Exhibit \_  
11 (FP-2).

12 A. Column (3) shows the increase in rates and charges  
13 associated with Column (2). Column (4) shows  
14 projected Billing and Payment Charge revenues,  
15 Column(5) shows projected PSL 18-a assessment  
16 revenues, and Column(6) shows "Other Charges." The  
17 development and sources of these revenue columns were  
18 detailed earlier in our testimony.

19 Column (7) shows projected Gas Cost Factor revenues.  
20 Column (8) shows the increase in rates and charges  
21 associated with Columns (4), (5), (6) and (7).

22 Column (8) revenues as well as those shown in Column  
23 (3) were provided to us by the Accounting Panel.

24 Column (9) sums columns (2), (3), (4), (5), (6), (7)

FORECASTING PANEL - GAS

1 and (8) and shows projected total revenues for the  
2 future rate year at current rates.

3 Column (10) shows the proposed revenue increase  
4 inclusive of the associated increase in rates and  
5 charges provided to us by the Rate Panel.

6 Column (8) shows the estimated total revenue at  
7 proposed rate.

8 It is important to note that the projected total  
9 revenues for the rate year at Current Rates shown in  
10 Column (9) reflects projected revenues from both full  
11 service and retail access customers and does not  
12 include any commodity cost projections associated with  
13 customers anticipated to purchase their gas from  
14 marketers. Assuming that retail access customers' gas  
15 commodity costs are equivalent to the commodity costs  
16 charged by the Company to its full service customers,  
17 (i.e., assuming that all firm customers were full  
18 service customers), the proposed base rate increase to  
19 firm customers' total gas costs equates to 8.6  
20 percent.

21 Q. Are there factors that could substantially affect the  
22 level of future gas delivery volumes and revenues in  
23 the rate year?

FORECASTING PANEL - GAS

1 A. Yes. These factors - which are subject to uncertainty  
2 - include, but are not limited to, the level of actual  
3 new business, intra class transfers, the economy,  
4 energy prices and customer fuel switching. These  
5 forecast components will be monitored closely and to  
6 the extent that updated data warrants changes to the  
7 forecasts, such changes would be reflected in the  
8 Company's update filing.

9 Q. Referring to the development of base revenues, the  
10 testimony reflects that the Forecasting Panel  
11 developed the rate year base revenue forecast by using  
12 billing determinants. Did the Forecasting Panel  
13 develop an exhibit summarizing the details of the  
14 billing determinant forecast?

15 A. Yes.

16 Q. Is that data shown on a one page exhibit entitled  
17 "CONSOLIDATED EDISON COMPANY OF NEW YORK, INC. -  
18 FORECASTED GAS DELIVERY VOLUMES AND BASE REVENUES - 12  
19 MONTHS ENDING SEPTEMBER 30, 2011 AT CURRENT RATES BY  
20 BILLING DETERMINANT," and was this document prepared  
21 under the Forecasting Panel's supervision and  
22 direction?

23 A. Yes, it was.

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

FORECASTING PANEL - GAS

1 Q. Please describe what this exhibit shows.

2 A. This exhibit shows, where applicable, the firm sales  
3 volume shown in Exhibit \_\_ (FP-2) by billing  
4 determinant. The volumes by billing determinant were  
5 developed using actual billing determinant volumes for  
6 the 12 months ended June 30, 2009, modified to reflect  
7 the impact of the variables previously discussed. The  
8 allocation of the impact of each of those variables on  
9 billing determinant volumes was assessed on an  
10 individual basis. For example, the impact of large  
11 volume new business and customers transferred from  
12 interruptible to firm service has a relatively greater  
13 impact on total penultimate and terminal billing  
14 determinant usage than that of smaller size new  
15 business customers.

16 Q. Please continue with your description of Exhibit \_\_  
17 (FP-3).

18 A. The Exhibit also shows, where applicable, the  
19 forecasted number of 30 day bills for the rate year.  
20 The forecast was based on the actual number of  
21 equivalent 30 day bills billed during the historic  
22 year modified to reflect 1) the impact on bills  
23 associated with our annualization adjustments, 2) the  
24 projected level of new business bills, and 3) the

FORECASTING PANEL - GAS

1 impact related to the rate year having fewer billing  
2 days that the historic year.

3 The Exhibit shows, where applicable, the current  
4 minimum charge rates and unit charge rates and  
5 resultant revenue forecast computed by applying the  
6 rates to the projected levels of 30 day bills and  
7 usage by billing determinant.

8 The Exhibit further details the volumes and revenues  
9 shown on Exhibit \_\_ (FP-3) into separately priced  
10 segments. For example, projected sales, bills and  
11 base revenues associated with customers who received  
12 Low Income and Economic Development Zone rates are  
13 separately shown.

14 Q. In the development of the rate year forecast, did the  
15 Forecasting Panel also make projections of delivery  
16 volumes and revenues beyond the rate year?

17 A. Yes, since the Company is also proposing a three-year  
18 rate plan, as discussed by Company witness Muccilo,  
19 the Forecasting Panel has also estimated volumes and  
20 revenues for the 12 months ending September 30, 2012  
21 and the 12 months ending September 30, 2013. Those  
22 projections were provided to the Accounting Panel.  
23 These forecasts reflect an average annual growth rate  
24 of 1.5% percent per year over the rate year.

FORECASTING PANEL - GAS

1 Q. What variables did the Forecasting Panel consider in  
2 the development of these extended forecasts?

3 A. New business, employment, conservation and attrition,  
4 anticipated rate relief and its impact on prices and  
5 sales as well the impact on sales due to the  
6 differences in future billing schedules.

7 Q. Is the Company proposing the continuation of the  
8 Weather Normalization Clause ("WNC") and the Revenue  
9 Decoupling Mechanism ("RDM")?

10 A. Yes, the WNC serves the interests of both the customer  
11 and the Company by correcting for abnormal weather on  
12 a real time basis. The WNC complements the RDM in  
13 that it acts to mitigate the size of any potential  
14 charges or credits that customers may pay or receive  
15 on a lagged basis under the RDM.

16 The Company's gas department currently utilizes a  
17 Revenue Per Customer ("RPC") form of a RDM, which  
18 encourages the Company to grow the gas business to the  
19 benefit of both the ratepayer and the Company, while  
20 also encouraging conservation. The RPC form of a RDM  
21 should be continued.

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

23 A. Yes, it does.

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

DEVELOPMENT OF 12 MONTHS ENDING SEPTEMBER 30, 2011  
 FORECASTED FIRM GAS DELIVERY VOLUMES (Mdt's)

| Line No                          | Description                          | SC 1  | SC 2 Nht | SC 2Ht | SC 3    | SC 13 | SC 14 | Total   |
|----------------------------------|--------------------------------------|-------|----------|--------|---------|-------|-------|---------|
| 1                                | Historic Test Year Volumes*          | 4,685 | 19,653   | 30,146 | 61,564  | 90    | 12    | 116,150 |
| 2                                | Weather Normalization                |       |          | (877)  | (2,360) |       |       | (3,237) |
| 3                                | Weather Normalized Volumes           | 4,685 | 19,653   | 29,269 | 59,204  | 90    | 12    | 112,913 |
| <b>Annualization Adjustments</b> |                                      |       |          |        |         |       |       |         |
| 4                                | Large Volume Customers               |       | 24       | 21     | 10      |       |       | 55      |
| 5                                | Transfer from Interruptible to Firm  |       |          | 564    | 1,561   |       |       | 2,125   |
| 6                                | Total                                | 4,685 | 19,677   | 29,854 | 60,775  | 90    | 12    | 115,093 |
| 7                                | Water Normalization                  | 51    | 112      |        |         |       |       | 163     |
| 8                                | Billing Schedule Adjustments         | (24)  | (83)     | (66)   | (84)    |       |       | (257)   |
| 9                                | Base Estimate                        | 4,712 | 19,706   | 29,788 | 60,691  | 90    | 12    | 114,999 |
| 10                               | Small Volume New Business            |       | 193      | 362    | 1,369   |       |       | 1,924   |
| 11                               | Large Volume New Business            |       | 396      | 343    | 191     |       |       | 930     |
| 12                               | Distributed Generation               |       | 276      | 2,992  |         |       |       | 3,268   |
| 13                               | Transfers from Firm to Interruptible |       |          |        | (1,403) |       |       | (1,403) |
| 14                               | Conservation & Attrition             | (53)  | (474)    | (711)  | (1,218) |       |       | (2,456) |
| 15                               | Employment                           |       | (204)    | (220)  |         |       |       | (424)   |
| 16                               | Price Elasticity                     |       | (93)     | (173)  | (140)   |       |       | (406)   |
| 17                               | Forecasted Firm Delivery Volumes     |       |          |        |         |       |       |         |
|                                  | 12 Months Ending 9/30/2011           | 4,659 | 19,800   | 32,381 | 59,490  | 90    | 12    | 116,432 |

\* 12 months ended June 30, 2009

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

FORECASTED GAS DELIVERY VOLUMES AND REVENUES - 12 MONTHS ENDING SEPTEMBER 30, 2011  
AT CURRENT AND PROPOSED RATES

REVENUES IN \$1000's

| Line No | Service Classification                                  | Gas Delivery Volumes (MDTs)<br>(Column 1) | Base Revenue<br>(Column 2) | Increases in Rates & Charges<br>(Column 3) | Billing Process & Payment Charges<br>(Column 4) | PSL 18a Assessment<br>(Column 5) | Other Charges<br>(Column 6) | Gas Cost Factor<br>(Column 7) | Increase in Rates & Charges<br>(Column 8) | Total Revenue @ Current Rates<br>(Column 9) | Total Proposed Base Rate Increase<br>(Column 10) | Total Revenue @ Proposed Rates<br>(Column 11) |
|---------|---|---|----------------------------|--|---|----------------------------------|-----------------------------|-------------------------------|---|---|--|---|
| 1       | SC 1 - Residential & Religious                          | 4,659                                     | \$146,737                  | \$7,048                                    | \$3,866   | \$3,663                          | \$2,726                     | \$27,399                      | \$1,075                                   | \$192,515                                   |  |   |
| 2       | SC 2 - General, Commercial and Industrial (Non-Heating) | 19,800                                    | \$82,154                   | \$2,300                                    | \$362   | \$5,021                          | \$7,655                     | \$71,959                      | \$2,036                                   | \$171,486                                   |  |   |
| 3       | SC 2 - General, Commercial and Industrial (Heating)     | 32,381                                    | \$135,498                  | \$2,511                                    | \$366   | \$10,036                         | \$16,092                    | \$193,057                     | \$4,612                                   | \$362,171                                   |  |   |
| 4       | SC 3 - Residential and Religious (Heating)              | 59,490                                    | \$350,506                  | \$15,217                                   | \$1,625   | \$19,926                         | \$27,391                    | \$302,149                     | \$8,109                                   | \$724,923                                   |  |   |
| 5       | SC 13 - Seasonal Off Peak Water Heating                 | 90  | \$295                      | \$10                                       | \$0   | \$26                             | \$62                        | \$739                         | \$14                                      | \$1,147                                     |  |   |
| 6       | SC 14 - Natural Gas Vehicles                            | 12  | \$199                      | \$6  | \$0   | \$0                              | \$0                         | \$0                           | \$0                                       | \$205                                       |  |   |
| 7       | <b>Total Firm Delivery</b>                              | <b>116,432</b>                            | <b>\$715,389</b>           | <b>\$27,091</b>                            | <b>\$6,219</b>                                  | <b>\$38,672</b>                  | <b>\$53,926</b>             | <b>\$595,303</b>              | <b>\$15,846</b>                           | <b>\$1,452,447</b>                          | <b>\$160,822</b>                                 | <b>\$1,613,269</b>                            |
| 8       | SC 12 R1 - Non Firm                                     | 9,144                                     | \$45,174                   | \$567                                      | \$0   | \$3,056                          | \$0                         | \$0                           | \$63                                      | \$48,860                                    |  |   |
| 9       | SC 12 R2 - Off Peak Firm                                | 14,437                                    | \$23,697                   | \$240                                      | \$0   | \$4,827                          | \$0                         | \$0                           | \$99                                      | \$28,864                                    |  |   |
| 10      | <b>Total Interruptible</b>                              | <b>23,581</b>                             | <b>\$68,871</b>            | <b>\$808</b>                               | <b>\$0</b>                                      | <b>\$7,883</b>                   | <b>\$0</b>                  | <b>\$0</b>                    | <b>\$162</b>                              | <b>\$77,723</b>                             |  | <b>\$77,723</b>                               |
| 11      | <b>Total System</b>                                     | <b>140,013</b>                            | <b>\$784,260</b>           | <b>\$27,899</b>                            | <b>\$6,219</b>                                  | <b>\$46,555</b>                  | <b>\$53,926</b>             | <b>\$595,303</b>              | <b>\$16,008</b>                           | <b>\$1,530,170</b>                          | <b>\$160,822</b>                                 | <b>\$1,690,992</b>                            |

## CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

Forecasted Gas Delivery Volumes and Base Revenues - 12 Months Ending September 30, 2011 at Current Rates by Billing Determinants

|  | Bills & Therms | Unit Rate | Base Revenue (\$) |
|--|----------------|-----------|-------------------|
| <b>Service Classification 1</b>  |                |           |                   |
| Annual Bills   | 7,027,816      | \$ 15.28  | 107,385,028.48    |
| Therms 0-3   | 13,822,885     |           |                   |
| Therms >3  | 27,767,115     | \$ 0.8716 | 24,201,817.37     |
| Total Annual Volumes (Therms)  | 41,590,000     |           | 131,586,845.85    |
| <b>Service Classification 1 - Low Income</b>                                   |                |           |                   |
| Annual Bills   | 860,173        | \$ 15.28  | 13,143,443.44     |
| Therms 0-3   | 1,998,712      |           |                   |
| Therms >3  | 3,001,288      | \$ 0.6687 | 2,006,961.06      |
| Total Annual Volumes (Therms)  | 5,000,000      |           | 15,150,404.50     |
| <b>Service Classification 2 Heating</b>  |                |           |                   |
| Annual Bills   | 746,063        | \$ 20.06  | 14,966,028.15     |
| Therms 0-3   | 2,083,712      |           |                   |
| Therms 3-90  | 41,932,708     | \$ 0.6074 | 25,469,926.67     |
| Therms 90-3000   | 164,656,290    | \$ 0.4267 | 70,258,839.04     |
| Therms >3000   | 73,137,575     | \$ 0.2901 | 21,217,210.64     |
| Total Annual Volumes (Therms)  | 281,810,285    |           | 131,912,004.50    |
| <b>Service Classification 2 Heating - Air Conditioning</b>                     |                |           |                   |
| Therms 0-1200  | 196,097        | \$ 0.1942 | 38,081.96         |
| Therms >1200   | 1,833,903      | \$ 0.1662 | 304,794.75        |
| Total Annual Volumes (Therms)  | 2,030,000      |           | 342,876.70        |
| <b>Service Classification 2 Heating - Economic Development Zone</b>            |                |           |                   |
| Annual Bills   | 1,070          | \$ 20.06  | 21,464.20         |
| Therms 0-3   | 2,571          |           |                   |
| Therms 3-90  | 59,153         | \$ 0.6074 | 35,929.25         |
| Therms 90-250  | 84,385         | \$ 0.4267 | 36,007.19         |
| Therms 250-3000  | 515,723        | \$ 0.2817 | 145,279.28        |
| Therms >3000   | 838,168        | \$ 0.1451 | 121,618.21        |
| Total Annual Volumes (Therms)  | 1,500,000      |           | 360,298.13        |
| <b>Service Classification 2 Non-Heating</b>                                    |                |           |                   |
| Annual Bills   | 737,910        | \$ 20.05  | 14,795,101.85     |
| Therms 0-3   | 2,072,417      |           |                   |
| Therms 3-90  | 30,841,150     | \$ 0.5971 | 18,415,250.41     |
| Therms 90-3000   | 106,030,728    | \$ 0.3579 | 37,948,397.50     |
| Therms >3000   | 30,785,705     | \$ 0.2465 | 7,588,676.37      |
| Total Annual Volumes (Therms)  | 169,730,000    |           | 78,747,426.13     |
| <b>Service Classification 2 Non-Heating - Air Conditioning</b>                 |                |           |                   |
| Therms 0-1200  | 104,307        | \$ 0.1942 | 20,256.34         |
| Therms >1200   | 1,985,693      | \$ 0.1662 | 330,022.24        |
| Total Annual Volumes (Therms)  | 2,090,000      |           | 350,278.58        |
| <b>Service Classification 2 Non-Heating - Economic Development Zone</b>        |                |           |                   |
| Annual Bills   | 145            | \$ 20.05  | 2,907.25          |
| Therms 0-3   | 425            |           |                   |
| Therms 3-90  | 12,298         | \$ 0.5971 | 7,343.17          |
| Therms 90-250  | 20,960         | \$ 0.3579 | 7,501.62          |
| Therms 250-3000  | 254,030        | \$ 0.2347 | 59,620.77         |
| Therms >3000   | 802,287        | \$ 0.1233 | 98,921.96         |
| Total Annual Volumes (Therms)  | 1,090,000      |           | 176,294.77        |
| <b>Service Classification 3 (1 to 4 Housing Units)</b>                         |                |           |                   |
| Annual Bills   | 3,031,102      | \$ 15.38  | 46,618,353.87     |
| Therms 0-3   | 9,015,234      |           |                   |
| Therms 3-90  | 155,681,007    | \$ 0.6379 | 99,308,914.54     |
| Therms 90-3000   | 139,870,703    | \$ 0.4851 | 67,851,278.15     |
| Therms >3000   | 703,056        | \$ 0.4062 | 285,581.46        |
| Total Annual Volumes (Therms)  | 305,270,000    |           | 214,064,128.02    |
| <b>Service Classification 3 (1 to 4 Housing Units) - Low Income</b>            |                |           |                   |
| Annual Bills   | 103,444        | \$ 15.28  | 1,580,624.32      |
| Therms 0-3   | 240,821        |           |                   |
| Therms 3-90  | 4,193,989      | \$ 0.4350 | 1,824,385.07      |
| Therms 90-3000   | 3,133,425      | \$ 0.4851 | 1,520,024.56      |
| Therms >3000   | 21,765         | \$ 0.4062 | 8,840.91          |
| Total Annual Volumes (Therms)  | 7,590,000      |           | 4,933,874.86      |
| <b>Service Classification 3 (More than 4 Housing Units)</b>                    |                |           |                   |
| Annual Bills   | 182,782        | \$ 15.38  | 2,811,188.02      |
| Therms 0-3   | 533,150        |           |                   |
| Therms 3-90  | 14,371,631     | \$ 0.6379 | 9,167,663.48      |
| Therms 90-3000   | 140,262,843    | \$ 0.4851 | 68,041,505.00     |
| Therms >3000   | 126,639,876    | \$ 0.4062 | 51,441,117.60     |
| Total Annual Volumes (Therms)  | 281,807,500    |           | 131,461,474.10    |
| <b>Service Classification 3 (More than 4 Housing Units) - Low Income</b>       |                |           |                   |
| Annual Bills   | 109            | \$ 15.28  | 1,665.52          |
| Therms 0-3   | 331            |           |                   |
| Therms 3-90  | 7,670          | \$ 0.4350 | 3,336.41          |
| Therms 90-3000   | 12,898         | \$ 0.4851 | 6,256.82          |
| Therms >3000   |                | \$ 0.4062 |                   |
| Total Annual Volumes (Therms)  | 20,899         |           | 11,258.75         |
| <b>Service Classification 3 (More than 4 Housing Units) - Air Conditioning</b> |                |           |                   |
| Therms 0-1200  | 40,846         | \$ 0.1942 | 7,932.29          |
| Therms >1200   | 169,154        | \$ 0.1662 | 28,113.40         |
| Total Annual Volumes (Therms)  | 210,000        |           | 36,045.69         |
| <b>Service Classification 13</b>   |                |           |                   |
| Annual Bills   | 3,828          | \$ 34.37  | 131,568.36        |
| Therms 0-3   | 8,477          |           |                   |
| Therms 3-1200  | 550,344        | \$ 0.1942 | 106,876.88        |
| Therms >1200   | 341,179        | \$ 0.1662 | 56,703.88         |
| Total Annual Volumes (Therms)  | 900,000        |           | 295,149.11        |
| <b>Service Classification 2 - Commercial Distributed Generation</b>            |                |           |                   |
| Total Annual Volumes (Therms)  | 47,650,000     |           | 4,485,296         |
| <b>Service Classification 2 - Contract Sales</b>                               |                |           |                   |
| Total Annual Volumes (Therms)  | 15,920,000     |           | 1,277,249         |
| <b>Service Classification 14</b>   |                |           |                   |
| Total Annual Volumes (Therms)  | 120,000        | \$ 1.6583 | 198,998           |
| <b>Summary of Volumes</b>  |                |           |                   |
|  | Volume         |           | Base Revenue (\$) |
| Service Classification 1 Volumes (Therms)                                      | 46,590,000     |           | 146,737,250.35    |
| Service Classification 2 Non-Heating Volumes (Therms)                          | 172,910,000    |           | 79,273,999.48     |
| Service Classification 2 Heating Volumes (Therms)                              | 285,340,285    |           | 132,615,179.33    |
| Service Classification 2 - DG Volumes  | 47,650,000     |           | 4,485,296.00      |
| Service Classification 2 - Contract Volumes                                    | 15,920,000     |           | 1,277,248.00      |
| Service Classification 3 Volumes (Therms)                                      | 594,898,399    |           | 350,506,781.42    |
| Service Classification 13 Volumes (Therms)                                     | 900,000        |           | 295,149.11        |
| Service Classification 14 Volumes (Therms)                                     | 120,000        |           | 198,998.40        |
| Total Annual Volumes (Therms)  | 1,164,328,684  |           | 715,389,902.98    |