

SHARED SERVICES PANEL - STEAM

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CONSOLIDATED EDISON COMPANY OF NEW YORK

SHARED SERVICES PANEL

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2010 O&M – Shared Services - Central Field Services

| | |
|-------------------------------|------------------------------------|
| Project/Program Title | Vehicle Fuel Costs |
| Status | Future Costs |
| Estimated Service Date | |
| Work Plan Category | Efficiency and Process Improvement |

Work Description:

Funding for vehicle fuel both unleaded and bio-diesel.

Note: data for gallons and price are for total Company

Justification:

Due to the dynamic nature of the commodities market and the corresponding effects on vehicle fuel, the Company seeks to have adopted a projection methodology that allows appropriate recovery of costs associated with vehicle fuel. Changes over historic years' actual expenditures can be due in part to changes in the volume of fuel consumed. However, in recent years, volatility in the commodities market has had a much greater affect on prices. There is no absolute predictor of fuel prices, especially over a 24 month horizon. It is important to develop a methodology that reflects expected prices as closely as possible. Unique considerations in the CECONY market area include the effect of local taxes on the total cost of fuel. Additionally, CECONY is subject to DOE EPAAct regulations, requiring us to use B20 biodiesel fuel which is an additional premium over traditional diesel fuel.

The Department of Energy uses the most sophisticated model that we are aware of to incorporate data about the commodities markets, supply, demand and production capabilities over the appropriate planning-horizon. By combining historical and forward-looking price information published by the Department of Energy's, Energy Information Administration (EIA) and internal actual expenditures at CECONY – we intend to demonstrate the expected differential between DOE projections and what should be expected in CECONY's market region.

Actual prices paid by CECONY for gasoline average \$0.04/gallon more than the corresponding DOE data-point, and account for slight variations in taxes and transportation in the CECONY service area, compared to the DOE (PADD1) historical average for the same cost components. This incremental cost should be applied to any DOE projections of that data-point.

Actual prices paid by CECONY for diesel average \$1.04/gallon more than the corresponding DOE data-point, and account for slight variations in taxes and transportation in the CECONY service area, and the cost premium for a 20% bio-fuel blend, compared to the DOE (national) historical average for the same cost components. This incremental cost should be applied to any DOE projections of that data-point.

Exhibit A – shows 2008 fuel data gallons and average annual price

Exhibit B(1) – shows historic national average gasoline prices as reported by DOE and actual CECONY gasoline prices

Exhibit B(2) – shows historic national average diesel prices as reported by DOE and actual CECONY diesel prices

- Alternatives: N/A

2010 O&M – Shared Services - Central Field Services

- Risk of No Action: N/A
- Summary of Financial Benefits and Costs: N/A
- Non-financial Benefits (if applicable): N/A
- Technical Evaluation/Analysis: N/A
- Sensitivity Analysis (if applicable): N/A
- Project Relationships (if applicable): N/A

Estimated Completion Date: N/A

Status: On-Going

Current Working Estimate (if applicable): N/A

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|-------------|-------------|-------------|-------------|
| \$9,746 | \$10,358 | \$13,886 | * \$8,569 |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|----------|----------|----------|--------------------------|
| - | - | - | - |

* PSC ALJ Recommendation

Historical elements of expense (EOE's)

| EOE | 2006 | 2007 | 2008 | 2009 |
|--------------|----------------|-----------------|-----------------|------|
| Labor | | | | |
| M&S | \$9,746 | \$10,358 | \$13,886 | |
| *A/P | | | | |
| Contingency | | | | |
| Total | \$9,746 | \$10,358 | \$13,886 | |

2010 O&M – Shared Services - Central Field Services

Forecast

| EOE | RYE 2011 | RYE 2012 | RYE 2013 | Total |
|--------------|----------|----------|----------|-------|
| Labor | | | | |
| M&S | | | | |
| *A/P | | | | |
| Contingency | | | | |
| Total | | | | |

* Note A/P requires further identification such as A/P – Contract Labor, A/P - Equipment Maintenance, A/P - Corrective Maintenance, etc.

Exhibit A

Vehicle Fuel Costs

12 Months Ending June 2009

| | <u>Diesel</u> | <u>Unleaded</u> | <u>Total</u> |
|------------|----------------|-----------------|-----------------|
| Gallons | 1,951,865 | 1,928,836 | 3,880,701 |
| Price/Gal. | \$3.265 | \$2.696 | \$2.982 |
| Cost | \$6,373,504.62 | \$5,200,471.25 | \$11,573,975.87 |

Assumption - 2011 RYE - fuel usage remains constant Average price used from DOE 2008 Forecast

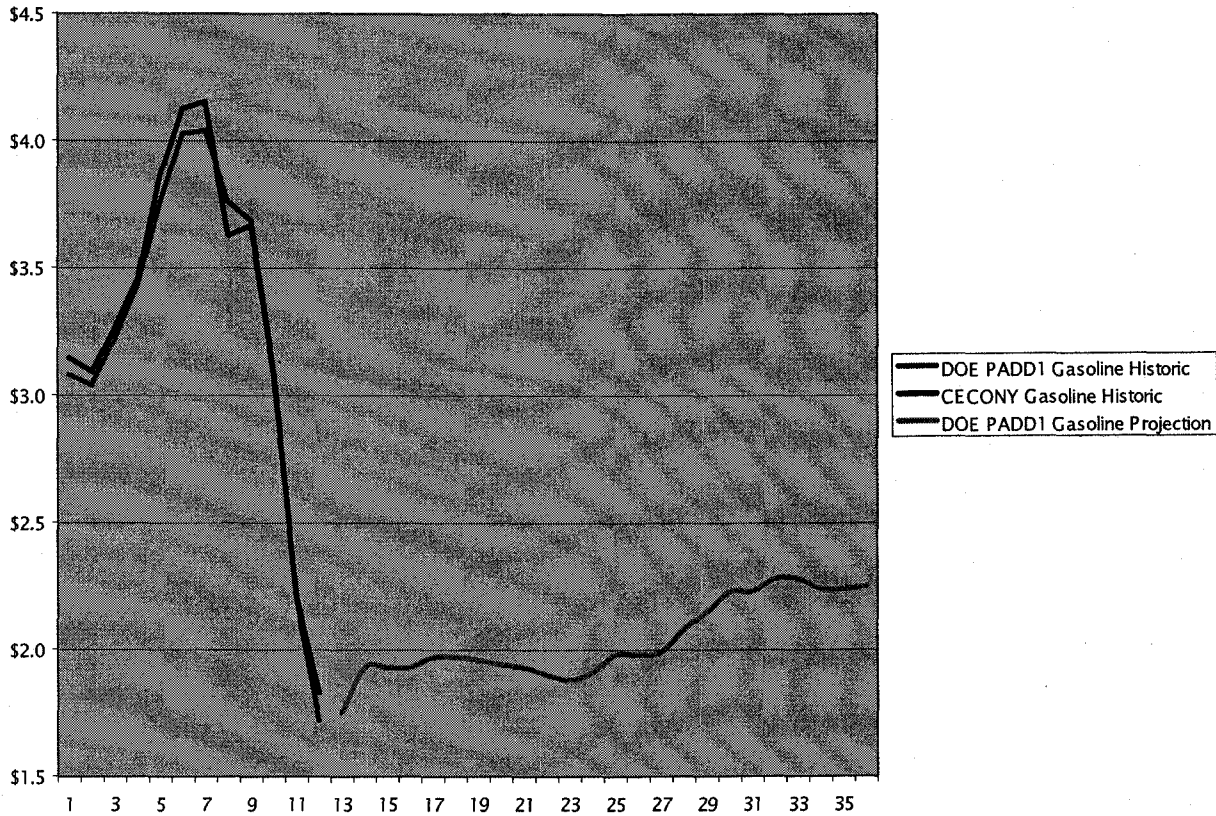
2011 (RYE - Forecast)

| | <u>Diesel</u> | <u>Unleaded</u> | <u>Total</u> |
|------------|---------------|-----------------|--------------|
| Gallons | 1,900,000 | 1,900,000 | 3,800,000 |
| Price/Gal. | \$2.20 | \$3.59 | \$2.895 |
| Cost | \$4,180,000 | \$6,821,000 | \$11,001,000 |

2010 O&M – Shared Services - Central Field Services

Exhibit B(1)

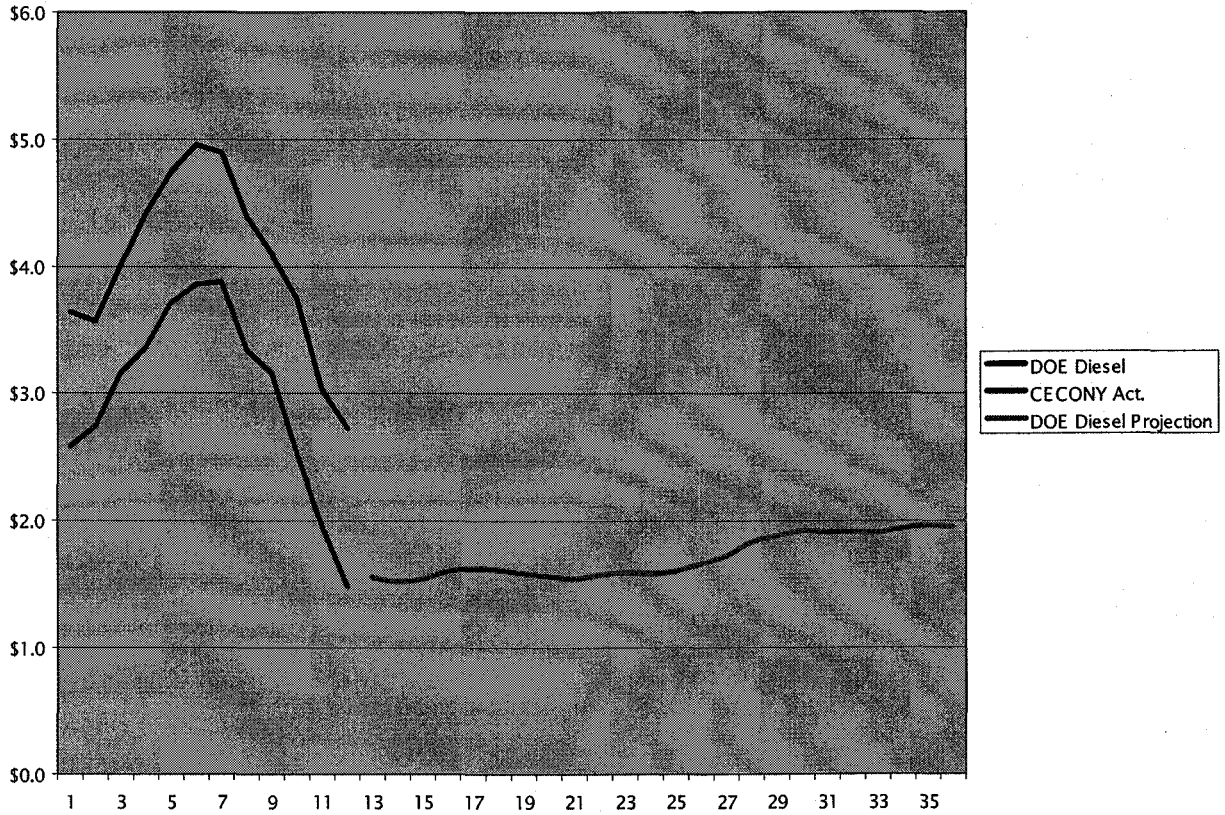
Chart shows historical difference between DOE PADD1 gasoline, the data point also used for projection of rate-year expenditure, and CECONY actual prices paid for gasoline during 2008 versus DOE projection through 2010.



2010 O&M – Shared Services - Central Field Services

Exhibit B(2)

Chart shows historical difference between DOE PADD1 diesel, the data point also used for projection of rate-year expenditure, and CECONY actual prices paid for B20 biodiesel during 2008 versus DOE projection through 2010.



Central Field Services

Vehicle Fuel

In-House 2009

| Month | Biodiesel | | | Unleaded | | | Total | | |
|-----------|----------------|---------|-----------|----------------|---------|-----------|----------------|-----------|-----------|
| | Dollars | Gallons | Cost/Gal. | Dollars | Gallons | Cost/Gal. | Dollars | Gallons | Cost/Gal. |
| January | \$461,183.90 | 180,119 | \$2.560 | \$256,095.22 | 148,306 | \$1.727 | \$717,279.12 | 328,425 | \$2.184 |
| February | \$486,828.10 | 180,282 | \$2.700 | \$306,886.92 | 150,774 | \$2.035 | \$793,715.02 | 331,056 | \$2.398 |
| March | \$457,068.48 | 194,833 | \$2.346 | \$348,542.15 | 172,010 | \$2.026 | \$805,610.63 | 366,843 | \$2.196 |
| April | \$430,023.02 | 165,019 | \$2.606 | \$318,545.98 | 153,153 | \$2.080 | \$748,569.00 | 318,172 | \$2.353 |
| May | \$323,635.65 | 127,864 | \$2.531 | \$285,850.16 | 127,728 | \$2.238 | \$609,485.81 | 255,592 | \$2.385 |
| June | \$329,151.35 | 122,754 | \$2.681 | \$322,199.09 | 126,891 | \$2.539 | \$651,350.44 | 249,645 | \$2.609 |
| July | | | | | | | | | |
| August | | | | | | | | | |
| September | | | | | | | | | |
| October | | | | | | | | | |
| November | | | | | | | | | |
| December | | | | | | | | | |
| YTD | \$2,487,890.50 | 970,871 | | \$1,838,119.52 | 878,862 | | \$4,326,010.02 | 1,849,733 | |
| Average | \$414,648.42 | 161,812 | \$2.563 | \$306,353.25 | 146,477 | \$2.091 | \$721,001.67 | 308,289 | \$2.339 |

**Central Field Services
Vehicle Fuel
Vendor - 2009**

| <u>Month</u> | <u>Diesel</u> | | | <u>Unleaded</u> | | | <u>Total</u> | | |
|--------------|----------------|----------------|------------------|-----------------|----------------|------------------|----------------|----------------|------------------|
| | <u>Dollars</u> | <u>Gallons</u> | <u>Cost/Gal.</u> | <u>Dollars</u> | <u>Gallons</u> | <u>Cost/Gal.</u> | <u>Dollars</u> | <u>Gallons</u> | <u>Cost/Gal.</u> |
| January | \$20,437.35 | 6,745 | \$3.03 | \$26,628.21 | 13,797 | \$1.93 | \$47,065.56 | 20,542 | \$2.29 |
| February | \$18,775.04 | 6,176 | \$3.04 | \$25,214.40 | 12,240 | \$2.06 | \$43,989.44 | 18,416 | \$2.39 |
| March | \$18,410.44 | 6,178 | \$2.98 | \$29,952.00 | 14,400 | \$2.08 | \$48,362.44 | 20,578 | \$2.35 |
| April | \$14,098.59 | 4,747 | \$2.97 | \$28,732.97 | 13,241 | \$2.17 | \$42,831.56 | 17,988 | \$2.38 |
| May | \$13,484.56 | 4,618 | \$2.92 | \$27,683.37 | 11,583 | \$2.39 | \$41,167.93 | 16,201 | \$2.54 |
| June | \$13,991.05 | 4,570 | \$3.06 | \$35,349.54 | 12,686 | \$2.79 | \$49,340.59 | 17,256 | \$2.86 |
| July | | | | | | | | | |
| August | | | | | | | | | |
| September | | | | | | | | | |
| October | | | | | | | | | |
| November | | | | | | | | | |
| December | | | | | | | | | |
| YTD | \$99,197.03 | 33,034 | | \$173,560.49 | 77,947 | | \$272,757.52 | 110,981 | |
| Average | \$16,532.84 | 5,506 | \$3.00 | \$28,926.75 | 12,991 | \$2.23 | \$45,459.59 | 18,497 | \$2.46 |

SHARED SERVICES PANEL - STEAM

I. INTRODUCTION

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Q. Would the members of the Shared Services Panel please state your names and business addresses?

A. Our names are Saddle L. Smith, Kenneth Jack, Terrence J. Walsh, Michelle Campanella, and Matthew Ketschke. Our business addresses are 4 Irving Place, New York, NY 10003 (for Smith, Walsh, and Campanella), 43-82 Vernon Blvd, Long Island City, New York 11101 (for Ketschke), and 31-01 20th Avenue, Astoria, New York 11105 (for Jack).

Q. By whom are the panel members employed?

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

Q. Please explain your educational backgrounds, work experience, and current general responsibilities.

A. (Smith) I am currently the Vice President of Facilities for the Company. I have been employed by Con Edison since 1982, holding positions of increasing responsibility in a variety of support and operating positions including: Senior Attorney, Law Department; Director of Equal Employment Opportunity Affairs; Director of Facilities Management; Vice President, Electric Operations - Staten Island; and Secretary and Associate General Counsel.

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1 Effective April 2008, I was elected to my current
2 position, Vice President of Facilities. As Vice
3 President of Facilities, I am responsible for operating
4 and maintaining over 40 facilities (office buildings
5 and field operations locations/service centers) within
6 the service territories of Con Edison and Orange &
7 Rockland ("O&R") including: planning and project
8 management; engineering services; environment, health
9 and safety; and office services. I earned a Juris
10 Doctorate from Columbia University in 1978 and a
11 Bachelor's Degree in Classics from Bowdoin College in
12 1975.

13 (Jack) I have been employed by Con Edison since 1994.
14 I started my career with Con Edison as an engineering
15 aide and then entered its management intern program.
16 After completing the intern program, I held a variety
17 of management positions of increasing responsibility in
18 Central Field Services ("CFS"), including Field
19 Engineer, Senior Engineer, Manager, and Section Manager
20 of Regional Operations. In 2004, I transferred to
21 Substation Operations where I was the Section Manager
22 of Operations Planning. In 2006, I was promoted to the
23 position of General Manager, Transportation Operations.
24 I am responsible for all the garages throughout CECONY
25 and O&R as well as Automotive Engineering and Fleet

SHARED SERVICES PANEL - STEAM

1 Administration. I received a Bachelor of Science
2 degree in Mechanical Engineering from Polytechnic
3 University in 1999.

4 (Walsh) I have been employed by Con Edison since 1980.
5 I have served as Director of Information Technology
6 Planning in the Company's Information Resources
7 Department for the past 8 years. Prior to my current
8 position, I was Manager of Network Systems, Technical
9 Specialist, and MVS System Programmer. My
10 responsibilities include establishing hardware and
11 software standards for the computing, networking and
12 communications environments. In addition, my area is
13 responsible for defining and implementing cyber
14 security policy for the Company. Prior to that, I
15 managed the Network Systems group. I received a
16 Bachelor of Science in Economics from Albany University
17 in 1980.

18 (Ketschke) I have been employed by Con Edison since
19 1995. I was hired as a management intern and have held
20 positions of increasing responsibility within Electric
21 Operations, from Operating Supervisor in Manhattan
22 Electric Construction to General Manager of Brooklyn
23 and Queens Electric Operations. On October 1, 2009, I
24 was assigned the position of Director of the Learning
25 Center. In that position, I am responsible for all of

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1 the technical and skills training at The Learning
2 Center. I also am responsible for the oversight and
3 preparation of the O&M and capital budgets for Human
4 Resources. I hold a Bachelor of Engineering in
5 Mechanical Engineering from Stevens Institute of
6 Technology, a Master of Science in Management from
7 Stevens Institute of Technology, and an MBA from
8 Columbia University.

9 **(Campanella)** I graduated from Clarkson University,
10 Potsdam, New York with a Bachelor of Science degree in
11 Accounting in 1978 and from New York Law School, New
12 York, New York, with a Juris Doctor degree in 1989.

13 I was a Special Agent of the Federal Bureau of
14 Investigation ("FBI") from 1980 to 2008. Among other
15 duties, I served as the Assistant Special Agent in
16 Charge ("ASAC") in the Washington Field Office, a
17 position that included oversight of the Security
18 Branch. As the ASAC, I was responsible for the
19 protection of the Attorney General of the United States
20 and the Director of the FBI, the physical security of
21 the properties within the Washington Field Office
22 territory, and the investigative services related to
23 personnel security, including polygraphs, background
24 investigations, and clearances. Since September 2008,
25 I have been the Director of Security Services for Con

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1 Edison. As the Director of Security Services, I
2 formulate and direct security policies, practices and
3 procedures for the Company. I direct the investigative
4 and security related activities of twenty-two
5 investigators and staff; act as a liaison with Federal,
6 State and local law enforcement agencies; advise senior
7 executives on security-related matters; direct physical
8 security surveys of Company facilities; and make and
9 implement security recommendations throughout the
10 Company. In addition, I develop specifications and
11 monitor the performance of contract guard services and
12 implement training requirements for Company security
13 personnel.

14 Q. Have any of you previously submitted testimony in a
15 proceeding before the New York State Public Service
16 Commission ("PSC" or the "Commission")?

17 A. All panel members submitted testimony in Case 09-E-0428
18 and some of us testified in Case 08-E-0539.

19 **II. PURPOSE OF TESTIMONY**

20 Q. Please summarize the Panel's testimony.

21 A. We describe numerous Shared Services efforts needed to
22 support common O&M programs throughout the Company.

23 The dollar amounts reflected in this testimony
24 represent the total dollars for each of the programs.
25 Our request is for the allocated share of these common

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1 programs costs for Con Edison's steam service. The
2 Accounting Panel reflects Steams' allocated share of
3 these common costs in their calculations. Any costs
4 for capital projects undertaken are handled through the
5 interdepartmental rent paid by Steam to electric and
6 gas.

7 Q. Please continue.

8 First, we discuss vehicle fuel prices and project costs
9 for this expense in the rate year.

10 Second, we discuss two Information Resources O&M
11 programs, the Mainframe Operating and Maintenance Costs
12 Program and the Computer Cost Program.

13 Third, we describe the Company's request for recovery
14 of strike contingency expenses, of which \$9,000 is
15 allocable to Steam.

16 Fourth, we address hiring two additional technical
17 systems specialists for the Security Department.

18 Finally, we explain the need to modernize, upgrade, and
19 improve various equipment and infrastructures
20 associated with the various buildings coming under
21 Facilities' responsibilities. Facilities is requesting
22 \$25.0 million in O&M in the rate year, an increase of
23 \$12.3 million over the historic year. The O&M increase
24 is attributable to Local Law 10-11 Façade Repairs and
25 Floor renovations at Irving Place, Contractual rent

SHARED SERVICES PANEL - STEAM

1 increases at various regional facilities, and the
2 Waterside Dock Repair Project.

3 Q. Have these programs been previously addressed by the
4 Company in other rate proceedings?

5 A. Yes. All of the programs were addressed in Case 09-E-
6 0428 or 08-E-0539. The Panel is not requesting funding
7 for any new programs in this proceeding. We would also
8 note that all of the programs sponsored by the Panel in
9 this proceeding were either previously approved or
10 proposed and not opposed.

11 Q. Before beginning to explain the various programs,
12 please explain the relationship of shared services
13 efforts to the Company as a whole.

14 A. Shared Services efforts are comprised of a number of
15 different functions that support Company operations.
16 They include logistical support activities, business
17 software development, maintaining and improving
18 computing, communications, and the supply chain
19 infrastructure throughout the Company, hiring and
20 training employees, and maintaining all of the
21 Company's properties. Most Shared Services efforts are
22 common to the Company's Electric, Gas and/or Steam
23 businesses, and, in some cases, to O&R.

24

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1 lower prices in the last quarter, the Company paid an
2 average of \$3.63 per gallon. While prices at the end
3 of 2008 and early in 2009 were substantially lower
4 (January 2009 average was below \$2.20/gallon), the
5 average price has increased to \$2.88/gallon for the
6 month of September alone and \$2.50/gallon as of
7 September 30, 2009.

8 Q. Can you please explain some of the drivers of vehicle
9 fuel prices seen by the company?

10 A. There are various drivers - world events and economics
11 drive crude-oil prices. To a lesser extent, mandated
12 reformulation of fuels for certain markets has also
13 caused increased prices. The U.S. EPA enacted
14 requirements in 2006 that effectively required all new
15 on-highway diesel vehicles to dramatically reduce
16 harmful emissions. This was accomplished, in part, by
17 requiring a reduction in sulfur content of on-highway
18 diesel fuel. The new formulation (referred to as
19 ultra-low sulfur diesel or "ULSD") requires some
20 differences in the refining process that increased the
21 cost. Additionally, the Department of Energy regulates
22 the fleets of "fuel providers." We are obliged to use
23 an increasing portion of alternate or renewable fuels
24 annually. The Company considered several options and
25 has chosen biodiesel as part of its plan to meet

SHARED SERVICES PANEL - STEAM

1 Department of Energy regulations. This fuel comes at
2 an additional premium.

3 Q. What is the situation with vehicle fuel prices now?

4 A. While the existing economic situation may have
5 precipitated the decline in oil and petroleum
6 distillate prices in the last six months of 2008, all
7 indications are that markets hit bottom at the
8 beginning of 2009 and that prices will rise throughout
9 2009, 2010 and the RYE 2011.

10 Q. Please explain the Company's philosophy for estimating
11 vehicle fuel costs for the purpose of reflecting an
12 appropriate forecasted amount in rates.

13 A. Based on the foregoing, the rate request reflects the
14 amount in the historic year that was expended for
15 vehicle fuel. Due to the volatile changes in this
16 market, the Company proposes that it update these costs
17 during this proceeding at the latest date permissible.
18 Waiting until a later date will provide the most
19 accurate forecast of this volatile commodity and allow
20 incorporation of later forecasts when they become
21 available. In fact, the Commission's Order in Case 08-
22 E-0539 (p. 76, footnote 109) used the March 10, 2009
23 DOE forecast to develop the revenue requirement in the
24 current rate year. By adopting this logic, the

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1 September 2010 DOE forecast will provide timely fuel
2 pricing information relative to the rate year.

3 Q. Is the Company suggesting it requires additional
4 funding for vehicle fuel? If so, can you explain why?

5 A. The Company is not necessarily suggesting it needs
6 additional rate relief. The Company is only seeking to
7 develop a viable methodology to describe expectations
8 and revenue requirements associated with the expected
9 cost of fuel. This method may produce an increase or a
10 decrease in the revenue requirement. However,
11 ultimately, the Company seeks to recover the actual
12 expenses for fuel. We would note that this same
13 methodology was proposed in Case 09-E-0428 and the
14 testimony of the Staff Accounting Panel (p. 84)
15 accepted using this methodology.

16 Q. Have you prepared an exhibit detailing historic and
17 projected expenditures, entitled "VEHICLE FUEL COSTS?"

18 A. Yes, we have.

19 Q. Was this exhibit prepared under your direction and
20 supervision?

21 A. Yes, it was.

22 MARK FOR IDENTIFICATION AS EXHIBIT __ (SSP-1)

23 Q. What is your estimate of rate year vehicle fuel costs
24 based on?

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1 A. We have developed a formula to account for the
2 Company's cost of vehicle fuel based on the Department
3 of Energy, Energy Information Administration's - Short-
4 Term Energy Outlook (DOE EIA-STEO) report. As we
5 explained in Cases 08-E-0539 and 09-E-0428, we believe
6 the STEO report provides the most useful independent
7 reference for future fuel prices. Our formula
8 considers the net effect of our bulk purchase
9 agreements, effect of local taxes and fees and in the
10 case of biodiesel, the bio additive. The method
11 expressed as formulas are shown below for gas and
12 diesel. For consistency with DOE reference data, the
13 "historic year" in this context is the calendar year
14 2008.

15 Gasoline:

16 [(Con Edison Historic Year (Calendar 2008) Average
17 \$/gallon) / (DOE Historic Year (Calendar 2008)
18 PADD-1 \$/gallon)] * (DOE Future PADD-1) = Con
19 Edison Future \$/gallon. The product of this
20 calculation would be multiplied times the gallons
21 of fuel used.

22 Using this formula for the rate year, we would have the
23 following calculation -- (\$3.482/\$3.248) *
24 (\$2.392) = \$2.564; then \$2.564 * 2,000,000 gallons

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1 = \$5,128,000 expected gasoline expenditures for
2 RYE 2011

3 Diesel (B20 Biodiesel):

4 [(Con Edison Historic Year (Calendar 2008) Average
5 \$/gallon) / (DOE Historic Year (Calendar 2008)
6 National Average \$/gallon)] * (DOE Future National
7 Average) = CECONY Future \$/gallon. The product is
8 again multiplied times the gallons.

9 So, for diesel, we would have $(\$4.028/\$3.80) * (\$2.69)$
10 $= \$2.851$; and then $\$2.851 * 1,950,000$ gallons =
11 $\$5,560,230$ expected B20 biodiesel expenditures for RYE
12 2011.

13 Q. Please explain the basis for this formula.

14 A. This formula basically develops a relationship between
15 Con Edison's cost for fuel and the federal government's
16 actual and projected price for fuel. By comparing the
17 two, a relationship is drawn between the average cost
18 as projected in the STEO, and the local prices that the
19 Company expects to pay for fuel. It also accounts for
20 any discounts the Company receives for its bulk
21 purchases.

22 Q. Is this methodology displayed anywhere?

23 A. Yes. Exhibit __ (SSP-1, at B-1 and B-2) demonstrates
24 how actual historical gasoline and biodiesel
25 expenditures track against the DOE references. The

SHARED SERVICES PANEL - STEAM

1 Company has described this relationship as a formula
2 and used that formula to project fuel expenditures.

3 Q. Has the Company also prepared a spreadsheet that
4 enables it to quickly calculate future projections?

5 A. Yes. Exhibit SSP-1 (pgs. 6 and 7) was prepared in
6 response to DPS28-250 in 09-E-0248. This response
7 demonstrates the link between DOE projections and
8 projected CECONY fuel costs based on past relationships
9 between those data-points and confirms that the
10 Company's formula is a reasonable method for
11 determining vehicle fuel costs in the rate year.

12 Q. Do you suggest using the information directly from the
13 EIA STEO report to develop prices?

14 A. No. This is simply because the EIA STEO report does
15 not project prices on a regional basis. While the
16 DOE/EIA reports local information retrospectively, its
17 forecasts are regional in nature at-best. DOE data
18 points can be used as a basis for future projections,
19 but they must be corrected for New York State, the
20 terms of our bulk fuel contracts and the use of
21 biodiesel using historical data available from the
22 company and through organizations like the DOE, Oil
23 Price Information Service ("OPIS") and American
24 Automobile Association ("AAA").

25 Q. Are there any ways you mitigate fuel cost?

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1 A. We mitigate cost by operating private fueling stations
2 and through our bulk purchase agreements. For
3 instance, those purchase agreements reduced the cost of
4 vehicle fuel by approximately \$472,000, or
5 \$0.24/gallon, in 2008 compared to what would have been
6 seen in the retail market. For the 9 months ending
7 September 2009, the cost of in-house fuel was roughly
8 \$600,000 less than had we purchased fuel in retail
9 outlets.

10 Q. Are there any ways you can mitigate fuel consumption?

11 A. Behavioral management plays a role in conserving fuel.
12 Employees who operate Company-owned vehicles are
13 reminded periodically about ways to improve their fuel
14 economy. Some newer vehicles automatically shut off
15 the vehicle if it idles too long and we are examining
16 other technologies to provide a better use of petroleum
17 resources, however even if a product is found to meet
18 all our requirements, it will take some time to
19 implement throughout the fleet and to an extent
20 sufficient to impact consumption in any meaningful way.

21 Q. Are there other initiatives that might have a greater,
22 quantifiable impact?

23 A. We continue to examine the possible benefits of using
24 Compressed Natural-Gas ("CNG"), hybrid vehicles and
25 other technologies to reduce the amount of fuel used by

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1 mobile equipment as we construct and maintain our steam
2 infrastructure. We have purchased some hybrid vehicles
3 to be used by employees, but there are no commercially
4 available and cost-justified hybrid offerings for the
5 biggest consumers of fuel - trucks and other heavy
6 equipment. We are working with R&D to develop
7 technologies to facilitate our crews working with
8 electrically powered equipment on job-sites, but that
9 is also a few years at best from a production
10 technology.

11 **IV. INFORMATION RESOURCES**

12 Q. Please name the program changes requested in this
13 testimony.

14 A. We address one IT related O&M program: the Computer
15 Cost Program. We will also provide the status of one
16 previously approved O&M program from Case 08-E-0539
17 This O&M program was also requested again in Case 09-E-
18 0428. The O&M program is the Mainframe Operating and
19 Maintenance Cost program.

20 Q. Do you have exhibits detailing these programs?

21 A. Yes.

22 Q. Were they prepared under your direction and
23 supervision?

24 A. Yes, they were.

25 MARK FOR IDENTIFICATION AS EXHIBIT ___ (SSP-2)

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1 Q. What is the Computer Program?

2 A. The Computer Program is the mechanism via which
3 computer hardware and software maintenance costs are
4 budgeted and charged to the user organizations.

5 Q. What are the costs associated with this program?

6 A. Costs for this program include expenses for maintenance
7 on desktop, laptop, and server computers and license
8 related maintenance for applications on the computers.
9 The costs annually are estimated to be \$7.5 million in
10 2010, and \$7.5 million in 2011, reflecting an increase
11 of \$900,000 compared to the projected 2009 budget and
12 an increase of \$2.0 million compared to the 2008 actual
13 spend for this category.

14 Q. What are the reasons for this increase?

15 A. The increase reflects a growth in the number of
16 computers - mostly in field and vehicle laptop units
17 (\$1 million), software licenses for new applications
18 (\$500,000), and network equipment and software licenses
19 coming off of warranty and requiring maintenance
20 agreements (\$500,000). There has been an increase of
21 2,435 (19%) computers between the years of 2006 and
22 2008, which is projected to continue. The increase in
23 the number of computers results in the need for
24 additional software licenses. Each additional computer
25 requires an additional license purchase. A portion of

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1 this increase (or \$500,000) is the necessary software
2 licenses and maintenance costs associated with these
3 licenses. Additionally, Cisco hardware equipment is
4 coming off of warranty and necessary maintenance
5 support has been included. Licenses, such as Cisco,
6 are capitalized upon initial purchase. When these
7 licenses come up for renewal, the costs cannot be
8 capitalized and are thus adding to the increase in this
9 program. These types of licenses contribute \$500,000
10 to this program change.

11 Q. Have you prepared an exhibit that provides further
12 information on computer costs?

13 A. Yes. Additional information is shown in Exhibit ___
14 (SSP-2) on the pages entitled "Computer costs."

15 Q. What is the status of the Mainframe Operating and
16 Maintenance Costs Program that was submitted in Case
17 09-E-0428?

18 A. Costs for this program include the annual expenses for
19 maintenance on the IBM z/OS operating system platform.
20 This platform serves three mainframe IBM database
21 management systems -- IMS, CICS, and DB2, which manage
22 the Company's critical data, as well as non-IBM
23 Independent Software Vendor ("ISV") monitoring tools
24 and system utilities, which are utilized to manage and
25 support the mainframe environment and data. The

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1 projected costs are \$4.0 million in 2010, \$4.4 million
2 in 2011 and \$4.8 million in 2012. The mainframe costs
3 have increased in the current year and are projected to
4 increase on an annual basis. The increased cost is
5 attributed to the increased utilization measured by
6 MIPS (Millions of Instructions per second) and the
7 annual increases in mainframe software. The MIPS have
8 increased from 801 MIPS in 2008 to 927 in 2009. We
9 expect this trend to continue in the next several
10 years.

11 Q. Have you prepared an exhibit that provides further
12 information on mainframe costs?

13 A. Yes. Additional information is shown in Exhibit __
14 (SSP-2) on the pages entitled "Mainframe Operating &
15 Maintenance Costs."

16 **V. STRIKE CONTINGENCY EXPENSES**

17 Q. Please discuss the Company's strike contingency
18 expenses.

19 A. The Company and its two local unions, UWUA Local 1-2
20 and IBEW Local 3, have collective bargaining agreements
21 that expire on June 30, 2012, and June 30, 2013,
22 respectively. In the event of a labor stoppage, the
23 Company has developed a planned approach to provide for
24 the continued safe operation of its facilities and its

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1 services. This approach is updated and refined prior
2 to the expiration of each contract.

3 Q. Are there costs associated with these preparations?

4 A. Yes. The Local 1-2 Contingency Programs are ongoing
5 initiatives that occur once every four (4) years. As a
6 result, for rate case filings, the cost for these
7 initiatives is priced out at one-fourth of the
8 estimated cost. The estimated cost of the next round
9 of union contract negotiations is \$1.3 million for
10 Local 1-2 and \$200,000 for Local 3, or a total of \$1.5
11 million. One-fourth, or \$375,000, is included in each
12 year of the rate filing. The Accounting Panel advises
13 us that approximately 5% is allocable to Steam for each
14 rate year.

15 Q. Have you provided additional details for this program?

16 A. Yes. Additional details can be found in the Exhibit
17 entitled "Strike Contingency."

18 Q. Was this prepared under your direction and supervision?

19 A. Yes, it was.

20 MARK FOR IDENTIFICATION AS EXHIBIT ___ (SSP-3)

21 VI. EMPLOYEE SUPPORT FOR SECURITY

22 Q. Does the Company require any additional employees for
23 the security department?

24 A. Yes. The Company requires two additional employees at
25 an estimated annual cost of \$179,000.

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1 Q. Please explain how the mission of corporate security
2 has evolved in recent years.

3 A. Corporate Security's mission has evolved and grown
4 since September 11, 2001. Almost all of this growth
5 has focused on technical aspects of security, which
6 includes evaluating, analyzing, recommending and
7 installing effective electronic security systems to
8 better protect our critical infrastructure.

9 Q. Please explain the need for the two additional
10 personnel.

11 A. The two employees are required to maintain a reliable
12 and secure workplace for our employees and contractors.
13 They are also required for the enhanced security of our
14 customers at our customer service centers. The Company
15 has an operational need for two highly specialized
16 Systems Specialists proficient in internal and external
17 electronic security protection systems not just for
18 connecting new systems to the SOC, but for a myriad of
19 security-related technical projects.

20 Q. Can you please expand on that?

21 A. Yes. The Company determined, through a review of prior
22 construction projects, it was more cost-efficient to
23 include security measures in the design of a new or
24 upgrade of a facility as opposed to adding those
25 measures after the construction. In December 2008, a

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1 Corporate Instruction was approved which mandates
2 Corporate Security to evaluate security drawings and
3 specifications for new facilities or facilities which
4 will be upgraded, prior to the Company submitting these
5 to bidders. This technical review also includes
6 software setup, programmed matrices for CCTV systems
7 and associated networking for the security associated
8 with each facility. The involvement by security
9 specialists also includes review of submitted bids to
10 ensure the technical merits have been addressed. This
11 provides subject matter expertise to enhance risk
12 aversion and avoid cost overruns.

13 The two additional technical security specialists would
14 also be utilized to conduct critical site assessments
15 with members of the Department of Public Service Staff.
16 In January 2009, the Company added three more sites to
17 our list of critical sites for a total of 40 critical
18 sites. By December 2009, ten more sites will be added
19 to our list of critical sites for a new total of 50
20 critical sites. At present time, 25 of the Company's
21 critical sites have some component of their security
22 connected to the SOC. As time permits, the additional
23 manpower would be utilized to integrate more of these
24 critical sites to the SOC.

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1 Q. Are there any other functions additional specialists
2 would address?

3 A. Yes. Additional personnel would enable Corporate
4 Security to expand the scope of work we currently do to
5 include: corrective and preventative maintenance; test
6 technical security systems; determine optimal equipment
7 logistics and inventory; and bench repair of defective
8 technical security system to the component level.
9 These additional tasks would prove to be cost effective
10 methods to extend the life of the equipment and ensure
11 the reliability of the system.

12 Q. Do you have an exhibit that provides additional
13 information regarding the hiring of the two
14 specialists?

15 A. Yes, entitled "Security Operations- Additional Human
16 Resources."

17 Q. Was this exhibit prepared under your direction and
18 supervision?

19 A. Yes.

20 MARK FOR IDENTIFICATION AS EXHIBIT ___ (SSP-4)

21 VII. FACILITIES O&M PROGRAMS

22 Q. Have you prepared exhibits detailing the Facilities O&M
23 programs you are describing in this testimony entitled
24 "Irving Place and Regions?"

25 A. Yes, we have.

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1 Q. Were these exhibits prepared under the Panel's
2 direction and supervision?

3 A. Yes, they were.

4 MARK FOR IDENTIFICATION AS EXHIBITS __ (SSP-5, SSP-6)

5 Q. Please discuss O&M spending for Facilities.

6 A. The Company's Regions Facilities groups plan to spend
7 approximately \$14.4 million in RYE 2011, \$12 million in
8 RYE 2012 and \$11.9 million in RYE 2013. The historic
9 year O&M spending level was \$9.9 million for the
10 Regional Facilities' buildings. The rate year increase
11 is primarily attributable to the Waterside Dock Repair,
12 increases in the Structural Inspection and Repair
13 program, contractual rent increases, as well as other
14 various maintenance programs. For the Company's Irving
15 Place facility, Facilities projects to spend
16 approximately \$10.6 million in RYE 2011, \$5.6 million
17 in RYE 2012 and \$5.1 million in RYE 2013, as compared
18 to the historic year O&M spending level of \$2.8
19 million. The increase from the historic year is \$7.8
20 million, which is primarily attributable to LL11 Façade
21 repairs of \$2.5 million and rental of alternate
22 locations for personnel so that the Company can
23 continue renovating in order to be in compliance with
24 Local Law 26 ("LL26") in 2019, including the cost to
25 prepare the alternate location of \$5.5 million.

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1 The total O&M funding requested for both the Regional
2 Facilities' buildings and Irving Place for RYE 2011 is
3 \$25.0 million, for RYE 2012 \$17.6 million, and for RYE
4 2013, \$17.0 million.

5 Q. What is the forecasted level of O&M spending?

6 A. For the RYE September 2011, the Company is projecting
7 \$26.2 million in total for Irving Place and the
8 Regional Facilities' Buildings. This includes
9 programs, such as Air Quality Improvements, Flooring
10 Upgrades, Building Infrastructure and Restorations and
11 Maintenance Associated with Capital (to implement Local
12 Law 26 programs) at the 4 Irving place facility; and in
13 the regions, Indoor Air Quality, Flooring upgrades,
14 Structural inspects and Repairs, Building
15 Infrastructure Restoration Programs, and workout
16 locations at Sherman Creek, 3rd Avenue Yard and
17 Exterior Street.

18 **Compliance Projects**

19 Q. Please explain the first category of projects,
20 compliance projects.

21 A. Compliance projects are required to address potentially
22 unsafe conditions and environmental issues as well as
23 to comply with the latest local, state or federal
24 regulatory requirements and building codes.

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- 1 Q. Is there one project that accounts for much of the
2 spending in the compliance category?
- 3 A. Yes. In terms of expenditures and time, the largest
4 and most complicated regulatory requirement project
5 involves compliance with NYC Department of Buildings
6 LL26. LL26 requires full sprinklering, which is a
7 water based fire suppression system, of office
8 buildings 100 feet or more in height no later than July
9 1, 2019. Under this law, water based sprinkler systems
10 are required in all office areas and other areas such
11 as electrical closets, mechanical/fan rooms,
12 computer/LAN/UPS rooms, and tower stages of buildings.
- 13 Q. To which Company facilities does LL26 apply?
- 14 A. LL26 applies to the Company's headquarters at 4 Irving
15 Place as it is greater than 100 feet tall.
- 16 Q. What is the basis for this new requirement?
- 17 A. LL26 is based on recommendations made by the World
18 Trade Center Building Code Task Force in February 2003
19 and signed into law by Mayor Bloomberg on June 24,
20 2004. LL26 implements this requirement through
21 amendments to the NYC Building Code and Fire Prevention
22 Code.
- 23 Q. What steps are necessary for the Company to timely
24 satisfy these new requirements?

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1 A. At the present time, the Company has determined that
2 the most efficient means for meeting the LL26
3 requirement is to continue to install the required
4 sprinkler systems for a certain number of floors each
5 year between now and 2019. We would note that a few
6 floors at 4 Irving Place have already undergone full
7 renovations and have been sprinklered, except for
8 various mechanical/electrical rooms on those completed
9 floors. However, in order to meet LL26's 2019
10 deadline, the Company needs to accelerate its plans.
11 This acceleration, which is described below in light of
12 those floors completed and those remaining, in turn,
13 creates the need for additional space for temporary
14 relocation of employees during the renovation.

15 Q. Please explain.

16 A. Currently, when the Company renovates a floor, it
17 temporarily relocates the affected employees to another
18 part of 4 Irving Place. This is because it is
19 logistically difficult or practically impossible to
20 maintain employees in their current work area during
21 the renovation process. This is due to the physical
22 arrangements of ceilings and other building
23 infrastructure and the presence of environmentally
24 sensitive materials (such as lead and asbestos) that
25 need to be addressed during the renovation process.

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- 1 Q. Please detail the issues associated with performing
2 renovations while floors are occupied.
- 3 A. It would be neither safe nor practical or efficient to
4 perform the required renovation and sprinkler
5 installation during off-shifts, when personnel have
6 vacated the space, and allow the affected personnel to
7 return to work during their normal work hours (thereby
8 requiring a set-up and take-down of the work area on a
9 daily basis). Most importantly, the safe removal of
10 environmentally sensitive materials while the area is
11 occupied is logistically extremely difficult. Having
12 personnel completely vacate the space until the
13 renovation (and any required abatement) is finished
14 enables the Company to completely abate the
15 environmentally sensitive materials in a safe and
16 efficient manner.
- 17 Q. Can sprinklering be accomplished absent full floor
18 renovations?
- 19 A. No. To install sprinklers, one must remove all the
20 asbestos and other materials from the ceiling. This
21 project basically requires renovations on the floors.
22 There is no practical manner to install sprinklers
23 without doing extensive ceiling renovation work.
24 In addition, other compliance methods, such as
25 installing exposed pipe on un-renovated floors were

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1 evaluated but these options were not chosen; exposed
2 pipe installed below a hung ceiling is unsightly in a
3 commercial building. Since there are known asbestos
4 hazards above the ceilings at Irving Place requires
5 that the removed systems be disposed of as ACM and that
6 furniture be removed/stored/reinstalled and that
7 personnel be temporarily relocated from the floor.
8 Carpeting would also become contaminated and need to be
9 removed/replaced as would the ceiling/lighting systems.
10 Other systems would also be affected by the piping
11 installation and that would need to be restored, including
12 HVAC and IR systems.

13 Q. If the Company were to continue to renovate only one
14 floor per year, would it be in compliance with the LL26
15 requirement by 2019?

16 A. No. At the current rate of floor renovations (i.e.,
17 one floor per year), the Company will not meet the 2019
18 deadline. Accordingly, the Company has developed an
19 accelerated plan to install required sprinkler systems
20 in conjunction with the conversion of floors at 4
21 Irving Place to restack the building (realign
22 adjacencies) to improve synergies, and renovate to
23 provide more flexibility. In order to meet the needs
24 of this accelerated program, some of the affected
25 personnel would need to be relocated out of 4 Irving

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1 Place because there is insufficient swing space
2 currently available in the building (i.e., there is
3 currently less than one full floor of available swing
4 space). At the present time, office renovation and
5 associated sprinklering projects have been mostly
6 completed on seven floors (i.e., the 2nd, 6th, 9th, 10th,
7 17th, 20th and 21st floors.) Twenty un-
8 renovated/partially renovated floors and eight tower
9 stages currently remain but projects associated with
10 the basement, 15th, 23rd, 25th and 27th floors and the
11 tower stages A through H are scheduled to be completed
12 in 2010. Yet, if the Company does not accelerate its
13 rate of completion schedule of one floor per year
14 (i.e., in 2009, only the 6th floor was completed), it
15 would fall short of compliance by six to eight floors.

16 Q. How does the Company plan to accelerate this schedule
17 in order to comply with LL26?

18 A. We are planning to accelerate the program (i.e., double
19 the current rate of one renovation annually) by
20 performing "gut renovations" of two floors every year.
21 The 5th, 11th and 22nd floor renovations are planned for
22 2010.

23 Q. What impact does this acceleration have on the
24 temporary relocation of employees?

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1 A. In order to meet the needs of this accelerated program,
2 some of the affected personnel will be relocated out of
3 4 Irving Place for three to five years because there is
4 insufficient space to move the personnel in the
5 building.

6 Q. What are the costs associated with LL26 compliance?

7 A. Company-wide, the O&M expenses associated with the
8 temporary relocations of personnel are projected to be
9 approximately \$2.3 million in annual off-site office
10 space rental costs and \$5.5 million in the rate year to
11 build out and outfit the temporary space. This
12 estimated cost includes preparing the space, i.e.,
13 furniture, computer and associated local area network
14 relocation; placing items into storage; and moving
15 personnel and files off-site to temporary swing space.
16 The Company currently leases approximately 15,000
17 square feet at 111 Broadway, Manhattan. The Company is
18 also negotiating a lease for approximately 37,529
19 square feet at 1 Pierrepont Plaza in Brooklyn. This
20 combined temporary space will cost between \$2.1-\$2.3
21 million in annual rent. The rent prices consist of a
22 base lease and infrastructure rents which include fiber
23 leases, cooling surcharges and building management
24 charges. Current lease prices range from \$40 to \$45 a
25 square foot. The leased Manhattan property was

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1 completed and occupied in the 2nd quarter of 2009 and
2 pending execution of a lease agreement, the Brooklyn
3 location is targeted for occupancy in the 1st Quarter of
4 2010.

5 Q. Has the Company done anything to minimize the costs
6 associated with these renovations?

7 A. Yes. The Company will renovate the 6th and 7th floors at
8 its Flatbush Avenue location, making 28,000 square feet
9 (from the 6th floor) available for temporary space by
10 the end of 2010. This reduces the total amount of
11 temporary space required outside of the Company from
12 80,000 square feet to 52,000 square feet and the total
13 cost to rent and fit-up the space by approximately \$1
14 million. We would also note that the Company is
15 responsible for all costs at Flatbush Avenue.

16 Q. What benefits are associated with accelerating these
17 renovations now?

18 A. Many buildings in the City must comply with LL26. As
19 compliance time gets closer to the deadline, we believe
20 that temporary space in other buildings will become
21 more expensive and less available. In addition,
22 contractors performing these types of renovations will
23 become more in demand, which impacts their availability
24 as well as their costs.

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1 Q. Are there any additional projects at 4 Irving Place
2 necessary to meet LL26 requirements?

3 A. Yes. There is one other project concerning the
4 creation of an additional 10,000 gallon Fire Protection
5 Water storage capacity at Irving Place at a cost of
6 \$1.2 million to be spent in 2010. The project began in
7 2009 and will be completed in 2010.

8 Q. Please explain the Fire Protection Water storage tank
9 project required under LL26.

10 A. The project involves the 25th, 27th floor & all Stages
11 Sprinklering, along with the 20th floor East Penthouse
12 Tank and 22nd floor Salvage Water Tank Refurbishment
13 and is needed to meet the 15,000-gallon Fire Protection
14 water storage requirement necessary for New York City
15 Department of Buildings to meet the sprinklering
16 system. This NYC building code requires that there be
17 30 minutes of available sprinkler water flow. Because
18 the 15th floor is being decompartmentized with the open
19 floor-type renovation, this fire protection water
20 storage upgrade project must be completed prior to
21 occupation of that floor (i.e., 2010). Presently, the
22 existing Stage G storage tank (which feeds the 15th
23 floor) is 5,000 gallons which equates to approximately
24 10 minutes of water flow. To achieve the 15,000
25 gallon/30 minute water flow requirement, the existing

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1 Fire Protection and Salvage Water tanks that comprise
2 the 20th Floor East Penthouse tank, will be tied
3 together. New booster pumps will then be needed to
4 supply adequate water pressure to the various floors
5 immediately below the building storage tanks and also
6 to the floors, tower and stages above the East
7 Penthouse Tank. As part of this project, the un-
8 renovated 25th, 27th floors, and all stages of the
9 Irving Place tower will be provided with the LL26
10 sprinklers and required heating/heat tracing. The 22nd
11 floor Salvage Water Tank and portions of the East
12 Penthouse tank will be refurbished/restored to service.
13 The 22nd floor Salvage Water Tank will take the place
14 of the salvage water function now provided by the 20th
15 Floor East Penthouse Tank.

16 **Local Laws 10-11**

17 Q. Are there any other major compliance projects
18 associated with local laws?

19 A. Yes. There are projects needed to remain in compliance
20 with Local Law 11. Local Law 11 projects were also
21 discussed in recent cases and projected expenditures
22 for these projects were similarly approved by the
23 Commission.

24 Q. Please describe Local Law 11.

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1 A. Local Law 11 ("LL11") was instituted in the early
2 1980's as LL10. The law, which was amended and renamed
3 LL11 in 1998, requires the periodic inspection of the
4 exterior facades of buildings in NYC greater than six
5 stories in height. Upon completion of the inspection,
6 a report must be filed by a Licensed Professional
7 Engineer or Registered Architect with the New York City
8 Department of Buildings ("DOB"). These inspections
9 primarily act as a safety measure to protect the public
10 from falling building materials and improve awareness
11 of the importance of maintaining and restoring the
12 City's architecture.

13 Q. Has the Company recently completed a LL11 review cycle?

14 A. In 2006, the Company's engineering department (through
15 an outside consultant it hired) completed its report to
16 the DOB on the LL11 Cycle 6 inspections. This report
17 identified façade repairs that must be completed within
18 five years and prior to the Cycle 7 inspection which is
19 scheduled for 2011.

20 Q. What façade repairs are necessary under the Cycle 6
21 inspection?

22 A. No unsafe conditions were reported during this
23 inspection; however, several items identified as "safe
24 with a repair and maintenance program" ("SWARMP") were
25 discovered. These items include cracked stone,

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1 replacing old masonry sealant, and sealing open masonry
2 joints. In addition to normal façade and/or parapet
3 repairs, the report recommended replacing the caulking
4 on all the building windows, with the intent of
5 eliminating water infiltration into the building, which
6 can create an issue of public safety.

7 Q. Please explain further.

8 A. Window caulking that has either deteriorated or eroded
9 creates areas that permit water infiltration into the
10 building. This water travels behind the façade stone
11 and masonry. During cold months of the year, this
12 water can freeze, which then expands against the back
13 of the stone/masonry, resulting in cracked, loosened
14 stone, masonry and mortar. This broken stone, masonry,
15 and loosened mortar have the potential to fall from the
16 side of the building to the street below, creating a
17 public safety concern.

18 Q. Please continue.

19 A. Recognizing the public safety concern and other
20 potential water infiltration issues, Facilities
21 Engineering performed a comprehensive assessment in
22 July 2008 and evaluated almost all the window
23 assemblies at 4 Irving Place in order to identify
24 window deficiencies beyond caulking. Facilities
25 engineering hired a civil engineer with expertise in

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1 architectural façades and this person, recognizing that
2 deficient window caulking was but one possible means of
3 the water infiltration, performed a comprehensive study
4 of all window assemblies to identify other sources.
5 The plan was to then coordinate the 6th Cycle Local Law
6 Report recommendations with those in this engineering
7 study.

8 Q. Please explain the results of the comprehensive
9 assessment.

10 A. The comprehensive assessment revealed the following
11 additional categories of defects:

- 12 • Defective/corroded metal window lintels
- 13 • Some defective caulking around the window perimeters
14 both inside and outside. This included necessary
15 Asbestos Containing Material ("ACM") abatement
- 16 • Cracked stone window sills
- 17 • Defective metal cladding due to water ingress
- 18 • Missing window weather-stripping causing drafts and
19 heat loss
- 20 • Broken window panes allowing air/water infiltration
21 and heat loss

22 We propose that this work be accomplished in stages
23 over a three year period and that it be completed prior
24 to the Cycle 7 inspections, which will be scheduled in

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1 mid 2011, so that the required inspection report can be
2 filed by February 2012. Note that if the "SWARMP"
3 repairs identified in the Cycle 6 inspection are not
4 addressed by 2012, they will automatically become the
5 more severe condition defined as "UNSAFE" and any
6 repairs will need to be completed immediately.

7 Q. What is the total cost of this program?

8 A. The total O&M cost estimate is approximately \$4
9 million. This work began in 2009 and should be
10 completed in 2011. Anticipated costs are \$3.5 million
11 in RYE 2011 and approximately \$500,000 in RYE 2012.

12 Q. When does Cycle 7 occur?

13 A. In accordance with Local Law 11 regulations, the Cycle
14 7 Inspection will begin after completion of the façade
15 repairs identified in the previous Cycle 6 engineering
16 inspection/report. This will not result in any
17 reduction in funding request during the next several
18 years. It is also highly possible that additional work
19 will need to be performed after the Cycle 7 inspections
20 are completed.

21 **Additional Compliance Projects**

22 Q. What other compliance projects are expected to be
23 undertaken?

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1 A. The Company plans to undertake projects for the purpose
2 of improving air quality at all of the Company's
3 facilities.

4 Q. Please describe your plans for improving air quality at
5 the Company's facilities.

6 A. The Company intends to inspect, clean and remove
7 sensitive materials associated with air and water
8 distribution equipment and systems in the buildings to
9 mitigate the spread of potential infectious diseases
10 and/or health dangers. This program involves several
11 various sub-programs that systematically address the
12 quality of indoor air by removing sensitive materials
13 from building systems and improving the operation of
14 any associated equipment. Programs include, but are
15 not limited to, cleaning HVAC duct and units;
16 inspecting and repairing roof and piping systems to
17 remove mold; and abating and replacing ACM insulation
18 throughout the buildings. We are continuing to
19 implement the indoor air quality program at Irving
20 Place and the Regional Facilities' buildings at an
21 annual cost of approximately \$1.1 million for RYE's
22 2011, 2012 and \$1.2 million for RYE 2013. In 2009, the
23 Company estimates the program will be \$0.9 million for
24 Irving Place and \$0.2 million for the Regional
25 Facilities.

1 **Critical Infrastructure Projects**

2 Q. Please explain the O&M projects in this category.

3 A. The Company plans to undertake projects to upgrade
4 existing floors and address building infrastructure
5 restorations for all Company facilities. We will
6 expend approximately \$2.8 million for floor replacement
7 and building infrastructure renovation on a system-wide
8 basis.

9 Q. Please explain the floor replacement program.

10 A. The Company intends to replace carpeting and resurface
11 floors during the next several years. Normal wear and
12 stretching of floor carpeting and severely worn tile or
13 floor surfaces result in tripping hazards. In many
14 cases, carpeting has worn beyond any economical or
15 reasonable cleaning method resulting in extremely dirty
16 carpets that contributes to unhealthy air quality. In
17 addition, resealing certain floor surfaces, such as fan
18 room floors, eliminates any water seepage or leakage to
19 lower elevations during equipment failures. In 2009,
20 we are continuing this program with \$687,000 for 4
21 Irving Place and \$417,000 in the Regions. The main
22 corridors have been completed on Floors 3, 4, 8, 11, 14
23 and 18; the entire carpet has been replaced on Floors 9
24 and 10. We will continue this program in RYE 2011
25 through RYE 2013 at an estimated cost of approximately

SHARED SERVICES PANEL - STEAM

1 \$687,000 for Irving Place and \$417,000 for the Regional
2 Facilities in RYE 2011 and \$425,000 in RYE 2012 and
3 2013.

4 Q. Please explain the Building Infrastructure Restoration
5 project.

6 A. The Building Infrastructure Restoration project
7 involves programs and sub-programs for the restoration
8 of offices, roadways, equipment and systems that are
9 approaching the generally accepted life expectancies
10 and require upgrading to maintain continual operation.
11 These various sub-programs include, but are not limited
12 to, restoration of wall, ceiling and floor systems in
13 areas of extreme traffic, such as main lobbies,
14 entrances and corridors; repainting of office areas and
15 related rooms due to deterioration; restoration of
16 Cooling Towers; replacing steam, water and chill water
17 valves for the buildings' HVAC and water systems; and,
18 due to excessive deterioration of pavement in our
19 facilities, increased repair of paved surfaces. For
20 example, we are currently engaged in a Piping
21 Inspection and Replacement Program at 4 Irving Place.
22 Pipes are identified for replacement after undergoing
23 UT in which the pipe is scanned to determine its
24 current wall thickness as compared to minimum allowable
25 standards. Cooling Tower Outer Casing Replacement has

SHARED SERVICES PANEL - STEAM

1 platform/deck "drop beams" in the northern portion of
2 the dock due to severe damage of timber pile caps by
3 marine borers; loss of support at the dock's south-east
4 and north-east corners due to damaged or missing timber
5 piles and pile cap beams; various damage to exterior
6 and interior timber piles; missing support at most of
7 the dock structure's east edge due to
8 missing/deteriorated north-south timber cap beams;
9 deteriorated dock's fender timber members which are
10 loose and could fall into the river (note that this
11 represents a hazard to river navigation and is also
12 environmental concern); concrete deck damages (e.g.,
13 spalling at concrete deck soffit surfaces and exposed
14 and corroded concrete reinforcement).

15 Q. What were the recommendations of the inspection report?

16 A. The inspection report recommends various repairs to
17 critical members of the dock to ensure structural
18 stability and the removal of loose and deteriorated
19 portions of the timber fender system. The American
20 Society of Civil Engineers recommends that these
21 critical conditions be carried out "with urgency."

22 Q. Please continue.

23 A. Based on the McLaren study, the Company proposed to the
24 City a work plan whose estimated cost is \$2.8 Million.
25 Additional detail for the Waterside dock repairs is

1 shown in Exhibit (SSP-14), on the page entitled
2 "Waterside Dock Repair." After repairs are completed,
3 the site will be turned back to the City.

4 Q. Has the City reviewed the McLaren study?

5 A. Yes. The City has recently completed its review of the
6 report and indicated to the Company its view that more
7 extensive repairs are required. The Company will be
8 discussing this matter with the City and will report on
9 the results of those discussions no later than the
10 update stage of this proceeding.

11 **Manhattan Work Out Location (Service Center)**

12 Q. Please discuss the West 28th Street project.

13 A. In Case 08-E-0539, the Company discussed the NJT Access
14 to the Region's Core ("ARC") a major mass transit
15 project. The Company will likely be required to
16 relocate several of the functions and facilities
17 currently housed at the Company's West 28th Street
18 Work-Out Service Center in the near future. At this
19 location, Gas Construction occupies approximately one-
20 third of the space in order to provide Company field
21 forces with convenient access to the West side of
22 Manhattan.

23 Q. What is the status of the ARC Project?

24 A. As was noted in our rebuttal testimony in Case 09-E-
25 0428, the ARC project received a Record of Decision of

SHARED SERVICES PANEL - STEAM

1 the Federal Transit Administration's approval and land
2 use permission approval from New York City in January
3 2009. The Company has been negotiating with the Port
4 Authority regarding the terms and conditions for the
5 Port Authority's use and occupancy of the Company's
6 West 28th Street workout location (the "Site") in
7 connection with the ARC project, including, without
8 limitation, temporary relocation of the Company's 28th
9 Street operations to an alternate location, temporary
10 easement rights for the Port Authority's proposed
11 construction activities, and permanent easement and
12 other property rights for the installation and
13 permanent location of the Port Authority's shaft,
14 tunnel, fan plant and related facilities. These
15 negotiations are on-going and we expect they will
16 continue into 2010. No construction has commenced at
17 this time, however, the Port Authority has performed
18 geotechnical investigations and soil borings on the
19 Site pursuant to an Access Agreement between the
20 parties.

21 Q. When do you expect this move to occur?

22 A. At this point, we are forecasting early 2010.

23 Q. Do you have any estimates of the costs associated with
24 such relocation?

SHARED SERVICES PANEL - STEAM

1 A. At this time, we have no estimates for these costs,
2 which depend on the outcome of the negotiations. The
3 Company will provide a further update when the
4 agreements are finalized.

5 Q. Was there any resolution of the treatment for these
6 costs in Case 08-E-0539?

7 A. Yes. The Commission advised (at pp. 74-75) that the
8 "Company may defer for future recovery those costs that
9 it can show it reasonably incurred to accommodate the
10 project and used its best efforts to have reimbursed,
11 without success."

12 Q. Is the Company requesting any reimbursement in this
13 case?

14 A. No. The Company continues to work with the PANYNJ and
15 NJT on this project. We are requesting the same
16 accounting treatment that was allowed in Case 08-E-0539
17 and re-requested in Case 09-E-0428. As such, we will
18 defer any unreimbursed costs incurred, whether in the
19 current rate year or in future rate years (RY1-RY3) and
20 petition for recovery of the deferral at the
21 appropriate time. It is important to note that we do
22 not have an estimate for any potential reimbursements
23 at this time.

24 Q. Does this conclude the Panel's testimony?

25 A. Yes it does.

2010 O&M – Shared Services – Information Resources

| | |
|-------------------------------|------------------------------------|
| Project/Program Title | Computer Hardware & Software Costs |
| Status | Ongoing |
| Estimated Service Date | |
| Work Plan Category | |

Work Description:

A number of contracts with a variety of vendors are in place to provide desk top and laptop computer hardware and software maintenance, licenses and related expenses. Examples of the contracts included are pc, server, and printer repairs, software such as the Microsoft and Oracle products enterprise agreements, several antivirus, security and firewall protections, laptop network connectivity and several process specific products (Hyperion, Impromptu). These contracts are administered by Information Resources.

This program change has three segments: growth, mostly in field laptops; new software licenses, and software and network equipment coming off of warranty. The growth in laptops can be attributed to the expansion of a number of applications for field force work management. Examples of new software and software coming off warranty include emergency messaging, laptop security, penetration testing, monitoring, firewall, and server certificates. This equipment is part of numerous planned programs, projects and work force growth. Issuance of computing hardware requires providing the association hardware and software and related support.

Justification:

Failure to provide necessary maintenance and support may impact operational and monitoring functions. The figures below indicate the level of growth has been consistent.

| Units | | | | | | | |
|----------------------|-----------------|---------|--------|---------|--------|--------|----------|
| Measurement Point | Year | Total # | Laptop | Desktop | Server | Growth | Growth % |
| | 2006 Year End | 12,739 | n/a | n/a | n/a | | |
| 2007 Year End | 2007 Year End | 13,345 | 4,274 | 8,288 | 783 | 606 | 5% |
| | 2008 Year End | 15,174 | 5,593 | 8,603 | 978 | 1,829 | 14% |
| Budget | 2009 Budget | 15,287 | 5,921 | 8,339 | 1,027 | 113 | 1% |
| 2008 Year End | 2009 Projection | 16,307 | 6,124 | 9,128 | 1,055 | 1,020 | 7% |
| as of 2/23/09 | 2010 Projection | 17,384 | 6,248 | 9,439 | 1,697 | 1,077 | 7% |

Estimated Completion Date:

Ongoing

Status:

Ongoing

2010 O&M – Shared Services – Information Resources

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|------------------------|------------------------|------------------------|--------------------|
| 4,247 | 4,654 | 5,524 | 6,620 |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|-----------------|-----------------|-----------------|-------------------------------------|
| 7,524 | 7,524 | 7,524 | 22,572 |

2010 O&M – Shared Services – Information Resources

| | |
|-------------------------------|---|
| Project/Program Title | Information Resources – Mainframe Operating & Maintenance Costs |
| Status | Ongoing |
| Estimated Service Date | |
| Work Plan Category | |

Work Description:

The Corporate Mainframe computing environment hosts critical applications for CECONY, including the Customer Information System and critical financial applications. The mainframe software environment must be upgraded to meet vendor support specifications and to support new hardware implementations which are driven by business and utilization requirements. The mainframe environment requires software licenses which are leased from a variety of software development companies. The software lease is required to provide use of the software, upgrades to the software and support for the software. The lease charges are based on the capacity of the mainframe computer. Mainframe software costs are driven by the MIPS (millions of instructions per second) or MSU (millions of service units) ratings of their respective mainframe processors. Accordingly, software and hardware maintenance support services increase on a yearly basis and/or when contract terms are renewed. The software includes the operating system, database management systems and system tools and utilities.

Justification:

To maintain the quality and availability of the mainframe environment for support of critical corporate data, hardware capacity upgrades and software maintenance for operating system, application development, database management systems and associated utilities, must be implemented and managed effectively. Fundamental to its effective operation, is properly maintained hardware as well as a properly maintained and managed operating system, database management systems, and mainframe system tools and utilities.

Alternatives:

Alternative options include implementation and utilization of distributed, Windows-based and/or Web-based software solutions and technologies to bypass the mainframe computing environment, where possible. Through the elimination of further mainframe capacity requirements and by decreasing mainframe utilization, additional MIPS would not be required. These alternatives are used by CECONY where possible, however cannot be easily or cost effectively implemented because of legacy systems whose databases reside on the mainframe platform.

Risk of No Action:

Due to vendor software maintenance agreements and contractual obligations, failure to not appropriately account with the vendor for the mainframe MIPS and MSU ratings would result in software product failure on the new or upgraded mainframe hardware platform. Many vendors

2010 O&M – Shared Services – Information Resources

include software authorization keys with their products which validate the mainframe hardware type and capacity in order for the software product to function properly.

Estimated Completion Date:

Ongoing

Status:

In Progress

Current Working Estimate (if applicable):

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|------------------------|------------------------|------------------------|--------------------|
| 2,830 | 3,509 | 3,043 | 3,677 |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|-----------------|-----------------|-----------------|-------------------------------------|
| 4,023 | 4,383 | 4,759 | 13,165 |

2010 O&M – Shared Services - Human Resources

| | |
|-------------------------------|----------------------|
| Project/Program Title | Strike Contingency |
| Status | Ongoing |
| Estimated Service Date | Ongoing |
| Work Plan Category | Employee Development |

Work Description:

The Local 1-2 contract is for the period June 29, 2008 through June 30, 2012 and the Local 3 contract is for the period June 26, 2009 through June 27, 2009. Contractual negotiations planned for 12 months ended June 30, 2011 will not require the Company to incur costs for consultants, hotels, food procurement and supplies, instructors, course materials, electronic data processing, reproduction and forms, telephone/communication and other miscellaneous items.

Justification:

This program is required for the company to conduct contract negotiations with both Local 1-2 and Local 3.

Estimated Completion Date:

Local 1-2 June 2012 and Local 3 June 2013.

Status:

The Local 1-2 & Local 3 Contingency Programs are ongoing initiatives that occur once every four (4) years. As a result, for rate case filings, the cost for these initiatives is priced out at one-fourth. The estimated cost of the next round of union contract negotiations is \$1.3 million for Local 1-2 and \$0.2 million for Local 3, or a total of \$1.5 million. One-fourth, or \$375,000 is included in the rate filing.

Current Working Estimate (if applicable):

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|-------------|-------------|-------------|-------------|
| \$0 | \$0 | \$1,301 | \$200 |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|----------|----------|----------|--------------------------|
| \$0 | \$0 | \$1,301 | \$1,301 |

2010 O&M – Shared Services - Human Resources

Historical elements of expense (EOE's)

| EOE | 2006 | 2007 | 2008 | 2009 |
|--------------|------------|------------|----------------|--------------|
| Labor | \$0 | \$0 | \$34 | \$0 |
| M&S | 0 | 0 | 23 | 0 |
| *A/P | 0 | 0 | 1,244 | 200 |
| Contingency | 0 | 0 | 0 | 0 |
| Total | \$0 | \$0 | \$1,301 | \$200 |

- Note A/P requires further identification such as A/P – Contract Labor, A/P - Equipment Maintenance, A/P - Corrective Maintenance, etc.

Identification of Accounts Payable Charges (\$200)

| Accounts Payable Charges | 2009 Budget |
|---|------------------------|
| Consultants | \$ 57 |
| Telephone & Communication Charges | 6 |
| Materials & Supplies / System Contracts | 6 |
| Contract Programmers | 4 |
| Guard Service | 2 |
| Hotels, Food, Printing & Other Items | 120 |
| Sales & Use Tax | 5 |
| Total | \$ 200 |

Forecast

| EOE | RYE 2011 | RYE 2012 | RYE 2013 | Total |
|--------------|------------|------------|----------------|----------------|
| Labor | \$0 | \$0 | \$34 | \$34 |
| M&S | 0 | 0 | 23 | 23 |
| *A/P | 0 | 0 | 1,244 | 1,244 |
| Contingency | 0 | 0 | 0 | 0 |
| Total | \$0 | \$0 | \$1,301 | \$1,301 |

Identification of Accounts Payable Charges (\$1,244)

2010 O&M – Shared Services - Human Resources

| Accounts Payable Charges | 2008 | |
|---|-------------|--------------|
| Consultants | \$ | 144 |
| Office Temporaries | | 23 |
| Petty Cash | | 4 |
| Telephone & Communication Charges | | 6 |
| Environmental Services | | 42 |
| EDP Equipment & Software | | 33 |
| Medical Services & Supplies | | 19 |
| Training & Development | | 26 |
| Miscellaneous Equipment, Parts & Services | | 43 |
| Hotels, Food, Printing & Other Items | | 893 |
| Sales & Use Tax | | 11 |
| Total Accounts Payable Charges | \$ | 1,244 |

2010 O&M – Shared Services - Security

| | |
|-------------------------------|---|
| Project/Program Title | Security Operations- Additional Human Resources |
| Status | Planning |
| Estimated Service Date | |
| Work Plan Category | Demand Growth |

Work Description: Corporate Security has an operational necessity to add two highly specialized Systems Specialists (2H) proficient in internal and external electronic security protection systems.

Justification: Corporate Security’s mission has evolved since September 11, 2001. The increase in manpower has not kept pace with the increase in risk. Almost all of the growth has originated on the technical side of the business and focuses on evaluating, analyzing, recommending and installing effective electronic security systems to better protect our critical infrastructure and integrate these systems to our Security Operations Center (SOC). The addition of two Systems Specialists will be a Program Change for the Technical Section of Corporate Security.

The organizational structure of Corporate Security is composed of three departments. One of these departments handles all the technical aspects of security. This department is comprised of a manager, two Senior Specialists, and four Systems Specialists. Two of the Systems Specialists handle the day to day operations, including the Information Resources (IR) aspects, of the SOC. One of the Senior Specialists is responsible for the access control within CECONY. The remaining personnel: a Senior Specialist, two System Specialists and the Department Manager are responsible for evaluating, reviewing, proposing and, in limited instances, installing technical security equipment to safeguard personnel and prevent unauthorized access to Company equipment, systems, material and information. In addition they oversee security technical equipment which includes access control systems, alarm systems, recorded CCTV systems, motion detectors, intrusion detection systems, etc.

In addition the technical group conducts site assessments with members of the PSC to address all regulatory, federal, state and homeland security requirements. Each year Corporate Security, accompanied by the PSC, documents their evaluation, review and recommendations for the continued security of these critical sites. To fulfill this goal additional Systems Specialists are necessary.

In December 2008, changes to Corporate Policy 860-1, Security Services Responsibilities, mandate “All Company organizations MUST confer with and obtain the approval of Corporate Security prior to commencement of any anticipated procurement of a security related enhancement or new construction project.” This entails designing and engineering state of the art security systems relating to new construction and physical security of company properties, providing security drawings detailing all equipment to be installed, assisting Engineering and IR in developing the seamless integration of all security related equipment into the Con Edison “Corporate Network,” and developing and maintaining corporate wide security engineering specification to be utilized by Purchasing, Engineering, IR and Facilities Management for bid purposes.

2010 O&M – Shared Services - Security

Risk of no action:

- 1) Construction projects could be delayed pending Security Systems Specialist review.
- 2) Some site survey work is currently conducted by non technical security specialists. This is minimally acceptable in addressing physical perimeter's addressed by those technologies that have more visible, tactile characteristics such as guards, fences, gates, and other assets used to prevent entry by unauthorized personnel. But at the critical sites there is a need for expertise in additional technology such as video cameras, access cards, and motion detection equipment.
- 3) Costs will continue to rise for the maintenance and labor on technical equipment some of which could be mitigated by either early diagnosis of problem or minor repairs made on the site by the Security Specialists.
- 4) The risk of exposure to theft and sabotage can be mitigated by increased use of technology.

Non-Financial Benefits:

A new area of responsibility (see Corporate Instruction 860-1 supra) includes evaluating security drawings and specifications for the Company including all technical interfaces and system design for submission to contractors and field commissioning (technical direction to site technicians) including software setup (Life Safety and Security), programmed matrices for CCTV systems and associated networking. This involvement by Security is an added layer of oversight and provides subject matter expertise to enhance risk aversion that will be available 24/7 for response to adverse situations.

Additional three sites added to critical infrastructure list for Con Edison of New York. This will entail detailed site assessments to be conducted by the Systems Specialists in conjunction with members of the PSC.

Expand the Scope of Work:

1) Responsibilities will be added to include corrective and preventative maintenance, and testing of technical security systems; equipment logistics and inventory; and bench repair of defective technical security system to the component level. It is anticipated the additional two Security System Specialists would be able to save user organizations critical down time of equipment and mitigate some of the expenses currently paid to contractors for minor repairs.

2) Continue to interface critical sites to the SOC. Currently 23 of the 40 critical sites have aspects that are monitored at the SOC.

3) Add additional alarm systems (fire and burglar) to be monitored by the SOC, which could provide financial benefits to the user organizations by providing higher level of monitoring.

2010 O&M – Shared Services - Security

The two recommended System Specialists will provide the experience and capabilities to handle the additional workload and governmental regulatory compliance requirements to better protect the energy infrastructure. We cannot hire a Contractor for this work as our list of Critical Sites and our potential vulnerabilities is vital information we need to protect.

Status: Planning

Current Working Estimate (if applicable):

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|-------------|-------------|-------------|-------------|
| - | - | - | - |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|----------|----------|----------|--------------------------|
| 160 | 160 | 160 | 480 |

Historical elements of expense (EOE's)

| EOE | 2006 | 2007 | 2008 | 2009 |
|--------------|------|------|------|------|
| Labor | | | | |
| M&S | | | | |
| *A/P | | | | |
| Contingency | | | | |
| Total | | | | |

Forecast

| EOE | RYE 2011 | RYE 2012 | RYE 2013 | Total |
|--------------|----------|----------|----------|-------|
| Labor | 160 | 160 | 160 | 480 |
| M&S | | | | |
| *A/P | | | | |
| Contingency | | | | |
| Total | | | | |

| Facilities - Corporate Headquarters (Irving Place) - Steam (\$000's) | 1st Rate Year | 2nd Rate Year | 3rd Rate Year | 2011-2013 | |
|--|----------------------------|------------------|--------------------|--------------------|----------------------|
| | Historic Year 6/30/2009 | RYE 9/30/2011 | RYE * 9/30/2012 | RYE * 9/30/2013 | Incremental Total |
| Indoor Air Quality Improvement Programs | | | | | |
| Duct cleaning | 360 | 503 | 503 | 503 | 1,149 |
| Induction unit drip tray inspection | 0 | 32 | 32 | 32 | 96 |
| Roof inspection and repairs | 42 | 200 | 237 | 270 | 735 |
| Piping inspection and replacement program | 0 | 56 | 56 | 56 | 168 |
| ACM insulation abatement and replacement program | 176 | 110 | 110 | 110 | 154 |
| | 578 | 901 | 938 | 971 | 2,302 |
| Local Law 10-11 Façade Repairs (4 Yr Program) | | | | | |
| | 7 | 2,488 | 488 | 0 | 481 |
| Flooring Upgrades Programs | | | | | |
| Replace carpeting on approximately two (2) floors annually | 576 | 620 | 620 | 620 | 1,284 |
| Seal/epoxy fan room floors | 0 | 67 | 67 | 67 | 201 |
| | 576 | 687 | 687 | 687 | 1,485 |
| Building Infrastructure Restoration Programs | | | | | |
| Cooling Towers Restoration and Maintenance Program | 188 | 19 | 19 | 19 | (131) |
| Valve replacement program (AHUs and PAs) | 16 | 283 | 283 | 283 | 833 |
| Lobby refurbishment | | | | | |
| restore marble | 0 | 140 | 140 | 140 | 420 |
| restore ceiling | 0 | 173 | 26 | 26 | 78 |
| replace turnstiles | 0 | 45 | 45 | 45 | 135 |
| window replacement | 0 | 20 | 20 | 20 | 60 |
| refurbish lobby door | 0 | 75 | 75 | 75 | 225 |
| parking lot re-furbishment | 0 | 28 | 28 | 28 | 84 |
| Window cleaning | 0 | 153 | 153 | 153 | 459 |
| Install new window treatment systems along 15th St | 0 | 0 | 0 | 0 | 0 |
| Seal double hung windows | 0 | 30 | 30 | 30 | 90 |
| | 204 | 966 | 819 | 819 | 2,253 |
| MAC | | | | | |
| Floor renovations (Rent) | 367 | 2,340 | 2,340 | 2,340 | 6,653 |
| Floor renovations | 1,065 | 3,182 | 302 | 302 | (159) |
| | 1,432 | 5,522 | 2,642 | 2,642 | 6,494 |
| Facilities Totals | 2,797 | 10,564 | 5,574 | 5,119 | 13,015 |
| Less Historic Year 2009 | | (2,797) | (2,797) | | (2,797) |
| Incremental 2010 Less Program Changes 2011 | | | | (455) | (455) |
| Incremental 2011 Less Program Changes 2012 | | | | | (128) |
| Incremental | 2,797 | 7,767 | 2,777 | 2,322 | 7,293 |

* RYE = Rate Year Ending

2010 O&M – Shared Services - Facilities

| | |
|-------------------------------|---|
| Project/Program Title | Indoor Air Quality Improvement Programs (4 Irving Place) |
| Status | Ongoing |
| Estimated Service Date | 2013 |
| Work Plan Category | Public & Employee Safety, Environmental |

Work Description:

These are programs that systematically address the quality of indoor air such as removing hazardous materials and improving HVAC operating equipment. Programs include, but are not limited to, HVAC duct cleaning and induction unit drip tray cleaning/inspections; inspection and repairs of roof and piping systems; and abatement and replacement of ACM insulation throughout the building.

Justification:

- Alternatives: None
- Risk of No Action: Employees will breathe poor quality air filled with contaminants, particles and dust. This could lead to increase in respiratory illnesses.
- Summary of Financial Benefits and Costs: NA
- Non-financial Benefits (if applicable): NA
- Technical Evaluation/Analysis: NA
- Sensitivity Analysis (if applicable): NA
- Project Relationships (if applicable): NA

Inspecting, cleaning and removal of hazardous materials associated with air and water distribution equipment and systems in the building will mitigate the spread of potential infectious diseases.

Estimated Completion Date: Ongoing

Status: Ongoing

2010 O&M – Shared Services - Facilities

Current Working Estimate (if applicable):

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|----------------|----------------|----------------|-------------|
| \$419 | \$161 | \$499 | \$790 |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|----------|----------|----------|-----------------------------|
| \$901 | \$938 | \$971 | \$2,810 |

Historical elements of expense (EOE's)

| EOE | 2006 | 2007 | 2008 | 2009 |
|-------------------|--------------|--------------|--------------|--------------|
| Labor | | | | |
| M&S | | | | |
| *A/P- Contract | | | | |
| Labor | \$419 | \$161 | \$499 | \$790 |
| Contingency | | | | |
| Total | \$419 | \$161 | \$499 | \$790 |

Forecast

| EOE | RYE 2011 | RYE 2012 | RYE 2013 | Total |
|--------------------|--------------|--------------|--------------|----------------|
| Labor | | | | |
| M&S | | | | |
| *A/P – Contract | | | | |
| Labor | \$901 | \$938 | \$971 | \$2,810 |
| Contingency | | | | |
| Total | \$901 | \$938 | \$971 | \$2,810 |

2010 O&M – Shared Services - Facilities

| | |
|-------------------------------|---|
| Project/Program Title | Irving Place – Local Law 11 Repairs |
| Status | With Engineering |
| Estimated Service Date | 2011 |
| Work Plan Category | Regulatory - Critical Infrastructure |

Work Description:

Repair conditions identified as "safe with repair and maintenance program" (SWARMP) including re-caulking windows to correct building water infiltration problems per Cycle 6 Local Law 11 inspection report filed with NYC Dept. of Buildings.

The Company's 2009 Rate Case testimony indicated that its engineering department (through a hired outside consultant) had completed its report to the DOB on the LL11 Cycle 6 inspections, performed in 2006. This report identified no unsafe conditions but did indicate that several items identified as "safe with a repair and maintenance program" ("SWARMP") were discovered. These items include repairing cracked stone, replacing old masonry sealant, and sealing open masonry joints. In addition to normal façade and/or parapet repairs, the report also recommended replacing the caulking on all the building windows. The estimated cost for this work was \$4,000,000. Recognizing that attempting to accomplish all the work in one year would be extremely intrusive to the building occupants and, due to the required sidewalk bridging surrounding the entire building, the neighborhood as well, it was decided to be accomplish it over a four year period and prior to the Cycle 7 LL 11 inspection required to be completed by February 2012. We thus proposed that the work be accomplished as a program addressing various sections of the Façade on an annual basis.

In July 2008, Facilities Engineering performed a comprehensive assessment of almost all the window assemblies at 4 Irving Place in to order to identify window deficiencies beyond caulking. The plan was to coordinate the 6th Cycle Local Law Report recommendations with those in this engineering study. The assessment revealed the following additional categories of defects and the associated cost estimate (see above):

- Defective/corroded metal window lintels
- Some defective caulking around the window perimeters both inside and outside.
- Cracked stone window sills
- Defective metal cladding due to water ingress
- Missing window weather-stripping causing drafts and heat loss
- Broken window panes allowing air/water infiltration and heat loss

We proposed that this work be accomplished in stages over a three year period (2009, 2010 & early 2011) and that it be completed prior to the Cycle 7 inspections which will be scheduled in mid 2011 so that the required inspection report can be filed by February 2012. Note that if the "SWARMP" repairs identified in the Cycle 6 inspection are not addressed by 2012, they will automatically be downgraded to "UNSAFE" and thus need to be completed immediately.

2010 O&M – Shared Services - Facilities

Justification:

New York City Local Law 11 of 1998 requires that all buildings, 100 feet or taller, be inspected on a 5 year cycle by a licensed architect and an inspection report be filed on behalf of the building owner with NYC Dept. of Buildings. Cycle 6 Inspection was performed in 2006 and filed as per regulation in February 2007. All repairs must be completed prior to next cycle inspection in 2012. We believe that items identified in both the LL 11 Cycle 6 report and the latest engineering assessment report should be completed in the time frame indicated above as these corrective measures will help mitigate water infiltration into the building. As stated in previous testimony, water entering the building travels behind the façade stone and masonry and during cold months of the year, can freeze, which then expands against the back of the stone/masonry, resulting in cracked, loosened stone, masonry and mortar which has the potential to fall from the side of the building to the street below, creating a public safety concern.

Estimated Completion Date:

2009 through 2011.

Status:

Engineering phase.

Current Working Estimate (if applicable):

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|-------------|-------------|-------------|-------------|
| \$1,300 | \$355 | - | \$530 |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|----------|----------|----------|--------------------------|
| \$2,488 | \$488 | - | \$2,976 |

Historical elements of expense (EOE's)

| EOE | 2006 | 2007 | 2008 | 2009 |
|-------------------|----------------|--------------|----------|--------------|
| Labor | | | | |
| M&S | | | | |
| *A/P- Contract | | | | |
| Labor | \$1,300 | \$355 | - | \$530 |
| Contingency | | | | |
| Total | \$1,300 | \$355 | - | \$530 |

2010 O&M – Shared Services - Facilities

Forecast

| EOE | RYE 2011 | RYE 2012 | RYE 2013 | Total |
|-------------------|----------------|--------------|----------|----------------|
| Labor | | | | |
| M&S | | | | |
| *A/P- Contract | | | | |
| Labor | \$2,488 | \$488 | - | \$2,976 |
| Contingency | | | | |
| Total | \$2,488 | \$488 | - | \$2,976 |

2010 O&M – Shared Services - Facilities

| | |
|------------------------|--|
| Project/Program Title | Flooring Upgrades Program (4 Irving Place) |
| Status | Ongoing |
| Estimated Service Date | 2013 |
| Work Plan Category | Public & Employee Safety, Environmental |

Work Description:

Units per Year: 2 Floors (5,335 sq. yd X 2 = 10,670)

Mandatory:

High-level schedule:

Replace carpeting on approximately two (2) floors annually and resurface approximately fifty four (54) fan room concrete floors with epoxy sealer.

Justification:

- Alternatives: None
- Risk of No Action: Hazardous floor conditions will result in injuries.
- Summary of Financial Benefits and Costs: NA
- Non-financial Benefits (if applicable): NA
- Technical Evaluation/Analysis: NA
- Sensitivity Analysis (if applicable): NA
- Project Relationships (if applicable): NA

The normal wear, tear and stretching of floor carpeting results in dangerous tripping hazards. In addition, the carpeting has worn beyond any economic or reasonable cleaning method resulting with extremely dirty carpets. Resurfacing the fan room floors will eliminate any water seepage or leakage to lower elevations during any possible equipment failures.

Estimated Completion Date: 2013

Status: Ongoing

Current Working Estimate (if applicable):

2010 O&M – Shared Services - Facilities

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|------------------------|------------------------|------------------------|--------------------|
| - | \$206 | \$614 | \$405 |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|-----------------|-----------------|-----------------|-------------------------------------|
| \$687 | \$687 | \$687 | \$2,061 |

Historical elements of expense (EOE's)

| EOE | 2006 | 2007 | 2008 | 2009 |
|-------------------|-------------|-------------|-------------|-------------|
| Labor | | | | |
| M&S | | | | |
| *A/P- Contract | | | | |
| Labor | - | \$206 | \$614 | \$405 |
| Contingency | | | | |
| Total | - | \$206 | \$614 | \$405 |

Forecast

| EOE | RYE 2011 | RYE 2012 | RYE 2013 | Total |
|-------------------|-----------------|-----------------|-----------------|----------------|
| Labor | | | | |
| M&S | | | | |
| *A/P- Contract | | | | |
| Labor | \$687 | \$687 | \$687 | \$2,061 |
| Contingency | | | | |
| Total | \$687 | \$687 | \$687 | \$2,061 |

2010 O&M – Shared Services - Facilities

| | |
|-------------------------------|--|
| Project/Program Title | Building Infrastructure Restoration Programs (4 Irving Place) |
| Status | Ongoing |
| Estimated Service Date | 2013 |
| Work Plan Category | System & Component Performance Improvement (Critical Infrastructure) |

Work Description:

Replace the outer casings and windwalls on Cooling Towers 4 & 5. In addition, sandblast, repair defects and recoat the Cooling Tower's structural steel and piping. These cooling towers, once the windwalls are completed, the maintenance of the indoor mechanicals and structure need annual repairs and maintenance. Other programs include restoration of equipment and systems that have surpassed the generally accepted life expectancies and require replacement or upgrading to ensure continual operation and/or existence. These various programs include, but are not limited to, restoration of wall, ceiling and turnstile systems, front doors and in extreme traffic areas such as the main lobby/corridors; replacing main steam and chill water stop valves for the building's air handling units (54); and sealing/cleaning of building windows.

Justification:

- Alternatives: None
- Risk of No Action: Cooling towers will deteriorate and make tower inoperable and unsafe. If the cooling towers fail, the building will become inoperable in the warm months. The Lobby will continue to deteriorate due the heavy traffic of over 3,900 tenants and 600 visitors daily.

The Cooling Towers are integral pieces of equipment in the building's Central Air Conditioning System at 4 Irving Place. The Cooling Towers are located on the roof of the building. The outer casings and windwalls on Cooling Towers 4 & 5 are deteriorating resulting with pieces breaking off and extensive water leakage. These conditions pose a public safety, negatively impact system efficiency and waste water.

In addition, the existing coating on the structural steel and associated piping for both cooling towers has deteriorated resulting with numerous corroded areas. These corroded areas may eventually result with complete metal failures. Estimate based on actual costs for the refurbishment of cooling towers 2 and 3 and Facilities Engineering estimate of additional repairs needed on Cooling Towers 4 & 5. Other estimates cover the maintenance of all five cooling towers after the windwalls are completed.

Other programs are required since much of the building infrastructure is over 50 years old and has reached the end of its useful life. Failures create additional maintenance problems.

Estimated Completion Date: 2013

Status: Ongoing

2010 O&M – Shared Services - Facilities

Current Working Estimate (if applicable):

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|----------------|----------------|----------------|-------------|
| - | - | \$1,051 | \$1,173 |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|----------|----------|----------|-----------------------------|
| \$966 | \$819 | \$819 | \$2,604 |

Historical elements of expense (EOE's)

| EOE | 2006 | 2007 | 2008 | 2009 |
|-------------------|------|------|---------|---------|
| Labor | | | | |
| M&S | | | | |
| *A/P- Contract | | | | |
| Labor | - | - | \$1,051 | \$1,173 |
| Contingency | | | | |
| Total | - | - | \$1,051 | \$1,173 |

Forecast

| EOE | RYE 2011 | RYE 2012 | RYE 2013 | Total |
|-------------------|--------------|--------------|--------------|----------------|
| Labor | | | | |
| M&S | | | | |
| *A/P- Contract | | | | |
| Labor | \$966 | \$819 | \$819 | \$2,604 |
| Contingency | | | | |
| Total | \$966 | \$819 | \$819 | \$2,604 |

2010 O&M – Shared Services - Facilities

| | |
|-------------------------------|--|
| Project/Program Title | MAC (Maintenance Associated with Capital) (4 Irving PL) |
| Status | 2019 |
| Estimated Service Date | Regulatory |
| Work Plan Category | Category A – Regulatory Compliance |

Work Description:

Units per Year:

Mandatory:

High-level schedule: 2 full floors (100,000 sq. ft per year)

The Company has developed a plan to install required sprinkler systems in conjunction with the conversion of floors at 4 Irving Place to open-office plan arrangements (which in and of itself would require sprinkler systems). In order to meet LL26's 2019 deadline, the Company needs to accelerate its plans for open-office space arrangement. This, in turn, creates the need for additional space for temporary relocation of employees during the renovation. Currently, when the Company renovates a floor, it temporarily relocates the impacted employees to another location within 4 Irving Place. This is because it is logistically difficult or practically impossible to maintain employees in their current work area during the renovation process. In order to meet the needs of this accelerated program, some of the affected personnel would need to be temporarily relocated out of 4 Irving Place because there is insufficient swing space currently in the building (i.e., currently less than one full floor of available swing space).

Note that Flatbush 6th/7th floors will be renovated in 2010; 28,000 sq ft (6th Fl) becomes available for temporary space. This reduces the total amount of temporary space required out side of the Company to 52,000 sq ft.

Justification:

- Alternatives: None

This approach is due to the physical arrangements of ceilings and other building infrastructure and the presence of environmentally sensitive materials (such as lead and asbestos) that need to be addressed. It would be neither safe nor practical or efficient to perform the required renovation and sprinkler installation during off-shifts, when personnel have vacated the space, and allow the affected personnel to return to work during their normal work hours (thereby requiring a set-up and take-down of the work area on a daily basis). Most importantly, the safe removal of environmentally sensitive materials while the area is occupied is logistically extremely difficult. Having personnel completely vacate the space until the renovation (and any required abatement) is finished enables the Company to completely abate the environmentally sensitive materials in a safe and efficient manner.

Estimated Completion Date: 2019

The sprinklering of Irving Place in accordance with LL26 is 2019. This is part of that long term effort.

2010 O&M – Shared Services - Facilities

Status:

Ongoing - In the Engineering stage for the floors currently selected for renovation.

Current Working Estimate (if applicable):

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|-------------|-------------|-------------|-------------|
| \$400 | \$226 | \$263 | \$3,952 |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|----------|----------|----------|--------------------------|
| \$5,522 | \$2,642 | \$2,642 | \$10,806 |

Historical elements of expense (EOE's)

| EOE | 2006 | 2007 | 2008 | 2009 |
|-------------------|--------------|--------------|--------------|----------------|
| Labor | | | | |
| M&S | | | | |
| *A/P- Contract | | | | |
| Labor | \$400 | \$226 | \$161 | \$3,204 |
| Contingency | | | | |
| Rent | - | - | \$102 | \$748 |
| Total | \$400 | \$226 | \$263 | \$3,952 |

Forecast

| EOE | RYE 2011 | RYE 2012 | RYE 2013 | Total |
|-------------------|----------------|----------------|----------------|------------------|
| Labor | | | | |
| M&S | | | | |
| *A/P- Contract | | | | |
| Labor | \$3,182 | \$302 | \$302 | \$3,786 |
| Contingency | | | | |
| Rent | \$2,340 | \$2,340 | \$2,340 | \$7,020 |
| Total | \$5,522 | \$2,642 | \$2,642 | \$ 10,806 |

Facilities Operation and Maintenance (Regions) - Steam

(\$000's)

| | 1st Rate Year | 2nd Rate Year | 3rd Rate Year | 2011-2013 Incremental Total |
|--|---------------|-----------------|-----------------|-----------------------------|
| Historic Year 6/30/2009 | RYE 9/30/2011 | RYE * 9/30/2012 | RYE * 9/30/2013 | |
| Indoor Air Quality Improvement Programs | | | | |
| Duct Cleaning - Periodic inspection of duct interior by inserting video camera for the purpose of identifying conditions that require attention. Once identified repairs are then scheduled on a priority basis. | \$88 | \$50 | \$50 | \$62 |
| Air Conditioning Charcoal Filter Replacement | \$33 | \$70 | \$70 | \$177 |
| Use of more effiecinet Carbon Filters to improve air quality at 16th Street | | | | |
| HVAC balancing at The Learning Center | \$0 | \$60 | \$65 | \$190 |
| Program Total | \$121 | \$180 | \$185 | \$429 |
| Flooring Upgrades | | | | |
| Carpeting - 6,000 SY annually includes furniture moving. | \$125 | \$417 | \$425 | \$1,142 |
| Programmatic approach to address aging carpet throughout the varous locations including funding to move furniture in occupied areas. Annual inspection to result in highest priority carpet replacement annually. | | | | |
| Program Total | \$125 | \$417 | \$425 | \$1,142 |
| Structural Inspections & Repairs | | | | |
| Includes facades, sidewalks, parapets, brick repointing, re-caulking, waterproofing, roof repair, leaders and gutters. Repointing is a major expense especially at many of our older brick structures in Astoria and in the Bronx. | | | | |
| Roof inspection & repair (including parapets, leaders & gutters) | \$326 | \$534 | \$557 | \$1,322 |
| Facades and brick re-pointing at various locations. | \$531 | \$854 | \$854 | \$2,031 |
| Program Total | \$857 | \$1,388 | \$1,411 | \$3,353 |
| Building Infrastructure Restoration Programs | | | | |
| Yard Resurfacing | \$539 | \$90 | \$90 | -\$269 |
| Resources required at multiple locations to address resurfacing issues for extending the life span and making better use of our properties | | | | |
| Painting and wall treatment repair/restoration | \$24 | \$500 | \$500 | \$1,476 |
| Programmatic approach similar to carpet program where all locations are walked down annually and required painting is scheduled on a priority basis. | | | | |
| Environmental - Asbestos (ACM) | \$44 | \$100 | \$100 | \$256 |
| Funding to cover asbestos survey investigations - (ACM) | | | | |
| Program Total | \$607 | \$690 | \$690 | \$1,463 |
| Sherman Creek (new location) | | | | |
| Additional guard (security officer) post required for the new location | \$76 | \$100 | \$100 | \$224 |
| Additional maintenance items required for new site: custodial contracts, repairs, materials and supplies. | \$68 | \$84 | \$84 | \$184 |
| Program Total | \$144 | \$184 | \$184 | \$408 |
| 3rd Ave Yard (new building) | | | | |
| Additional Emergency Action Plan Director (security officer) (required for all Class E buildings in the City of New York) for the new building at 3rd Avenue | \$58 | \$120 | \$120 | \$302 |
| Additional cleaning services | \$31 | \$31 | \$31 | \$62 |
| Program Total | \$89 | \$151 | \$151 | \$364 |
| Exterior Street (new work out location) | | | | |
| Guard Service, snow removal, electricity used, rubbish removal | \$57 | \$186 | \$186 | \$501 |
| Program Total | \$57 | \$186 | \$186 | \$501 |
| Waterside Dock Repair | | | | |
| Costs to repair dock to return property back to owner | \$0 | \$2,800 | \$0 | \$2,800 |
| Program Total | \$0 | \$2,800 | \$0 | \$2,800 |
| Contractual Rent & Tax Increases | | | | |
| | \$7,943 | \$8,441 | \$8,774 | \$18,125 |
| Grand Total Facilities Regions (O&M) | \$9,943 | \$14,437 | \$12,006 | \$28,585 |
| Less Historic Year 2009 | | (9,943) | (9,943) | (9,943) |
| Incremental 2011 Less Program Changes 2012 | | | (127) | (127) |
| Incremental 2012 Less Program Changes 2013 | | | | 5,095 |
| Incremental | \$9,943 | \$4,494 | \$2,063 | \$11,030 |

Note: RYE = Rate Year Ending

2010 O&M – Shared Services - Facilities

| | |
|------------------------|---|
| Project/Program Title | Indoor Air Quality Improvement Programs (Regions) |
| Status | Ongoing |
| Estimated Service Date | 2013 |
| Work Plan Category | Public & Employee Safety, Environmental |

Work Description:

Programs that systematically address the quality of indoor air such as removing hazardous materials and improving HVAC operating equipment. Programs include but are not limited to periodic inspection & cleaning of HVAC duct systems, charcoal/carbon filter replacement at 16th Street and HVAC balancing at The Learning Center.

Justification:

- Alternatives: None
- Risk of No Action: Employees will breathe poor quality air filled with contaminants, particles and dust. This could lead to increase in respiratory illnesses.
- Summary of Financial Benefits and Costs: n/a
- Non-financial Benefits (if applicable): n/a
- Technical Evaluation/Analysis: n/a
- Sensitivity Analysis (if applicable): n/a
- Project Relationships (if applicable):

Inspecting, cleaning and removal of hazardous materials associated with air ductwork distribution systems in the buildings will mitigate the spread of potential infectious diseases. Charcoal/carbon filter replacement (a manufacturer specification) and HVAC balancing will prolong the life of the equipment and improve the air quality within the buildings.

Estimated Completion Date: 2013

Status: Ongoing

Current Working Estimate (if applicable):

2010 O&M – Shared Services - Facilities

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|-------------|-------------|-------------|-------------|
| - | - | \$187 | \$196 |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|----------|----------|----------|--------------------------|
| \$180 | \$185 | \$185 | \$550 |

Historical elements of expense (EOE's)

| EOE | 2006 | 2007 | 2008 | 2009 |
|-------------------|------|------|--------------|--------------|
| Labor | | | | |
| M&S | | | | |
| *A/P- Contract | | | | |
| Labor | - | - | \$187 | \$196 |
| Contingency | | | | |
| Total | - | - | \$187 | \$196 |

Forecast

| EOE | RYE 2011 | RYE 2012 | RYE 2013 | Total |
|-------------------|--------------|--------------|--------------|--------------|
| Labor | | | | |
| M&S | | | | |
| *A/P- Contract | | | | |
| Labor | \$180 | \$185 | \$185 | \$550 |
| Contingency | | | | |
| Total | \$180 | \$185 | \$185 | \$550 |

2010 O&M – Shared Services - Facilities

| | |
|------------------------|---|
| Project/Program Title | Flooring Upgrades Program (Regions) |
| Status | Ongoing |
| Estimated Service Date | 2013 |
| Work Plan Category | Public & Employee Safety, Environmental |

Work Description:

Carpeting upgrade – 6,000 square yards of carpeting replacement annually and also includes moving furniture so carpeting can be installed. A programmatic approach to address aging carpet throughout various locations plus the cost to move furniture while the work is in progress. Annual carpet inspection will prioritize carpet replacement.

Justification:

- Alternatives: None
- Risk of No Action: **Tripping Hazards**
-
- Summary of Financial Benefits and Costs: n/a
- Non-financial Benefits (if applicable): n/a
- Technical Evaluation/Analysis: n/a
- Sensitivity Analysis (if applicable): n/a
- Project Relationships (if applicable):

Normal wear and stretching of floor carpeting creates tripping hazards. In addition, the carpeting has worn beyond any economic or reasonable cleaning method resulting with torn, rolled and extremely dirty carpets.

Estimated Completion Date: 2013

Status: Ongoing

Current Working Estimate (if applicable):

2010 O&M – Shared Services - Facilities

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|------------------------|------------------------|------------------------|--------------------|
| \$123 | \$964 | \$122 | - |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|-----------------|-----------------|-----------------|-------------------------------------|
| \$417 | \$425 | \$425 | \$1,267 |

Historical elements of expense (EOE's)

| EOE | 2006 | 2007 | 2008 | 2009 |
|-------------------|--------------|--------------|--------------|-------------|
| Labor | | | | |
| M&S | | | | |
| *A/P- Contract | | | | |
| Labor | \$123 | \$964 | \$122 | - |
| Contingency | | | | |
| Total | \$123 | \$964 | \$122 | - |

Forecast

| EOE | RYE 2011 | RYE 2012 | RYE 2013 | Total |
|-------------------|-----------------|-----------------|-----------------|----------------|
| Labor | | | | |
| M&S | | | | |
| *A/P- Contract | | | | |
| Labor | \$417 | \$425 | \$425 | \$1,267 |
| Contingency | | | | |
| Total | \$417 | \$425 | \$425 | \$1,267 |

2010 O&M – Shared Services - Facilities

| | |
|-------------------------------|---|
| Project/Program Title | Structural Inspections and Repairs (Regions) |
| Status | Ongoing |
| Estimated Service Date | 2013 |
| Work Plan Category | System & Component Performance Improvement - Critical Infrastructure |

Work Description:

Includes facades, parapets, brick re-pointing, re-caulking, waterproofing, roof repair, leaders and gutters. Re-pointing is a major expense especially at many of our older brick structures in Astoria and in the Bronx.

Justification:

- Alternatives: None
- Risk of No Action: **Deterioration of exterior façade, water infiltration, mold, lack of structural Integrity (steel corrosion, concrete spalling, efflorescence, open mortar joints Cracked brickwork)**
- Summary of Financial Benefits and Costs: n/a
- Non-financial Benefits (if applicable): n/a
- Technical Evaluation/Analysis: n/a
- Sensitivity Analysis (if applicable): n/a
- Project Relationships (if applicable):

Work will prolong the life of the facilities' facades and roofs and prevent damage from infiltration, freeze-thaw cycles, etc.

Estimated Completion Date: 2013

Status: Ongoing

Current Working Estimate (if applicable):

2010 O&M – Shared Services - Facilities

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|----------------|----------------|----------------|-------------|
| \$669 | \$162 | \$711 | \$982 |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|----------|----------|----------|-----------------------------|
| \$1,388 | \$1,411 | \$1,411 | \$4,210 |

Historical elements of expense (EOE's)

| EOE | 2006 | 2007 | 2008 | 2009 |
|-------------------|--------------|--------------|--------------|--------------|
| Labor | | | | |
| M&S | | | | |
| *A/P- Contract | | | | |
| Labor | \$669 | \$162 | \$711 | \$982 |
| Contingency | | | | |
| Total | \$669 | \$162 | \$711 | \$982 |

Forecast

| EOE | RYE 2011 | RYE 2012 | RYE 2013 | Total |
|-------------------|----------------|----------------|----------------|----------------|
| Labor | | | | |
| M&S | | | | |
| *A/P- Contract | | | | |
| Labor | \$1,388 | \$1,411 | \$1,411 | \$4,210 |
| Contingency | | | | |
| Total | \$1,388 | \$1,411 | \$1,411 | \$4,210 |

2010 O&M – Shared Services - Facilities

| | |
|------------------------|--|
| Project/Program Title | Building Infrastructure Restoration Programs (Regions) |
| Status | Ongoing |
| Estimated Service Date | 2013 |
| Work Plan Category | System & Component Performance Improvement |

Work Description:

Programs include the following at multiple locations: Yard re-surfacing, striping and drainage to address re-surfacing issues, repaint worn striping to more efficiently utilize space and prevent freezing pooled water conditions thereby extending the service life span and making better use of our properties. Painting & wall treatment repair/restoration - programmatic approach similar to carpet program where all locations are inspected annually and required painting is scheduled on a priority basis. Environmental (Asbestos - ACM) funding to cover asbestos surveys and investigations.

Justification:

- Alternatives: None
- Risk of No Action: Inadequate maintenance/ repair of aging infrastructure is problematic and Further delays in repair will result in a greater escalation of costs
- Summary of Financial Benefits and Costs: n/a
- Non-financial Benefits (if applicable): n/a
- Technical Evaluation/Analysis: n/a
- Sensitivity Analysis (if applicable): n/a
- Project Relationships (if applicable):

Many of the building infrastructures are old and have reached the end of their service life.

Estimated Completion Date:

Ongoing

Status: Ongoing

Current Working Estimate (if applicable):

2010 O&M – Shared Services - Facilities

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|----------------|----------------|----------------|-------------|
| \$288 | \$17 | \$608 | \$119 |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|----------|----------|----------|-----------------------------|
| \$690 | \$690 | \$690 | \$2,070 |

Historical elements of expense (EOE's)

| EOE | 2006 | 2007 | 2008 | 2009 |
|-------------------|--------------|-------------|--------------|--------------|
| Labor | | | | |
| M&S | | | | |
| *A/P- Contract | | | | |
| Labor | \$288 | \$17 | \$608 | \$119 |
| Contingency | | | | |
| Total | \$288 | \$17 | \$608 | \$119 |

Forecast

| EOE | RYE 2011 | RYE 2012 | RYE 2013 | Total |
|-------------------|--------------|--------------|--------------|----------------|
| Labor | | | | |
| M&S | | | | |
| *A/P- Contract | | | | |
| Labor | \$690 | \$690 | \$690 | \$2,070 |
| Contingency | | | | |
| Total | \$690 | \$690 | \$690 | \$2,070 |

2010 O&M – Shared Services - Facilities

| | |
|------------------------|--|
| Project/Program Title | Sherman Creek (new location) (Regions) |
| Status | Ongoing |
| Estimated Service Date | 2013 |
| Work Plan Category | System & Component Performance Improvement |

Work Description:

Sherman Creek is a three lot piece of property that once housed a generating station (now demolished) is currently being used by Electric Operations as a work out location for Cable Operations. There are several trailers on site that require the need for a guard post and maintenance items: custodial contracts, repairs, materials & supplies.

Justification:

- Alternatives: None
- Risk of No Action: Robbery, loss of assets, inability to service customers efficiently
- Summary of Financial Benefits and Costs: n/a
- Non-financial Benefits (if applicable): n/a
- Technical Evaluation/Analysis: n/a
- Sensitivity Analysis (if applicable): n/a
- Project Relationships (if applicable):

Guards required at this new locations for employee safety and to protect company property. Also, maintenance items required to maintain new site in a clean and efficient manner.

Estimated Completion Date: Ongoing

Status: Ongoing

Current Working Estimate (if applicable):

2010 O&M – Shared Services - Facilities

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|-------------|-------------|-------------|-------------|
| - | - | \$108 | \$123 |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|----------|----------|----------|--------------------------|
| \$184 | \$184 | \$184 | \$552 |

Historical elements of expense (EOE's)

| EOE | 2006 | 2007 | 2008 | 2009 |
|--------------------|------|------|--------------|--------------|
| Labor | | | | |
| M&S | | | | |
| *A/P-Guard Service | | | \$87 | \$100 |
| *A/P-Other | | | \$21 | \$23 |
| Total | | | \$108 | \$123 |

Forecast

| EOE | RYE 2011 | RYE 2012 | RYE 2013 | Total |
|--------------------|--------------|--------------|--------------|--------------|
| Labor | | | | |
| M&S | | | | |
| *A/P-Guard Service | \$100 | \$100 | \$100 | \$300 |
| *A/P-Other | \$84 | \$84 | \$84 | \$252 |
| Total | \$184 | \$184 | \$184 | \$552 |

* Note A/P requires further identification such as A/P – Contract Labor, A/P - Equipment Maintenance, A/P - Corrective Maintenance, etc.

2010 O&M – Shared Services - Facilities

| | |
|------------------------|--|
| Project/Program Title | 3 rd Avenue Yard (new building) (Regions) |
| Status | Ongoing |
| Estimated Service Date | 2013 |
| Work Plan Category | System & Component Performance Improvement |

Work Description:

A new building located at 320 4th Avenue, Brooklyn, NY is required to have on duty Emergency Action Plan Directors (required at all Class “E” buildings by the New York City Fire Department). The Emergency Action Plan Directors (EAPD) will also act as security guards. Also, a custodial contract is needed to clean the building and will be required at the new site.

Justification:

- Alternatives: None
- Risk of No Action: Violation of the NYPD Title 3 Rules of NY, EAP Industry Notice 9
- Summary of Financial Benefits and Costs: n/a
- Non-financial Benefits (if applicable): n/a
- Technical Evaluation/Analysis: n/a
- Sensitivity Analysis (if applicable): n/a
- Project Relationships (if applicable):

Guards are required at this new location by the New York City Fire Department, Title 3 of the Rules of the City of New York, EAP industry notice #9. Custodial contract is required to maintain the new site in a clean and efficient manner.

Estimated Completion Date: Ongoing

Status:

Ongoing

Current Working Estimate (if applicable):

2010 O&M – Shared Services - Facilities

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|----------------|----------------|----------------|-------------|
| - | - | \$100 | \$94 |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|----------|----------|----------|-----------------------------|
| \$151 | \$151 | \$151 | \$453 |

Historical elements of expense (EOE's)

| EOE | 2006 | 2007 | 2008 | 2009 |
|-----------------------|------|------|--------------|-------------|
| Labor | | | | |
| M&S | | | | |
| *A/P-Guard Service | - | - | \$69 | \$63 |
| * A/P-Other | - | - | 31 | 31 |
| Total | - | - | \$100 | \$94 |

Forecast

| EOE | RYE 2011 | RYE 2012 | RYE 2013 | Total |
|-----------------------|--------------|--------------|--------------|--------------|
| Labor | | | | |
| M&S | | | | |
| *A/P-Guard Service | \$120 | \$120 | \$120 | \$360 |
| *A/P-Other | 31 | 31 | 31 | 93 |
| Total | \$151 | \$151 | \$151 | \$453 |

2010 O&M – Shared Services - Facilities

| | |
|-------------------------------|---|
| Project/Program Title | Exterior Street (new work out location) |
| Status | Ongoing |
| Estimated Service Date | 2013 |
| Work Plan Category | System & Component Performance Improvement |

Work Description:

The site at Exterior Street has been selected for use as a satellite parking area for different field groups within Electric Operations. Previously, the site exhibited deteriorated asphalt and concrete paving, as well as a crushed stone surface left over from a previous demolition of existing structures. The site has been renovated so it can be utilized as a year round, all weather parking facility.

Justification:

- Alternatives: None
- Risk of No Action: Inability to serve our local customers quickly and efficiently.
- Summary of Financial Benefits and Costs: n/a
- Non-financial Benefits (if applicable): n/a
- Technical Evaluation/Analysis: n/a
- Sensitivity Analysis (if applicable): n/a
- Project Relationships (if applicable):

Guards required at this new locations for employee safety and to protect company property. Also, maintenance items required to maintain new site in a clean and efficient manner.

Estimated Completion Date: Ongoing

Status:

Ongoing

Current Working Estimate (if applicable):

2010 O&M – Shared Services - Facilities

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|-------------|-------------|-------------|-------------|
| - | - | - | - |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|----------|----------|----------|--------------------------|
| \$186 | \$186 | \$186 | \$558 |

Historical elements of expense (EOE's)

| EOE | 2006 | 2007 | 2008 | 2009 |
|--------------|------|------|------|------|
| Labor | | | | |
| M&S | | | | |
| *A/P | | | | |
| Contingency | | | | |
| Total | - | - | - | - |

Forecast

| EOE | RYE 2011 | RYE 2012 | RYE 2013 | Total |
|--------------------|--------------|--------------|--------------|--------------|
| Labor | \$14 | \$14 | \$14 | \$42 |
| M&S | 15 | 15 | 15 | 45 |
| *A/P-Guard Service | 100 | 100 | 100 | 300 |
| *A/P-Other | 57 | 57 | 57 | 171 |
| Total | \$186 | \$186 | \$186 | \$558 |

2010 O&M – Shared Services - Facilities

| | |
|-------------------------------|--|
| Project/Program Title | Waterside Dock Repair |
| Status | Dock Inspection Completed/Engineering in Progress |
| Estimated Service Date | Various |
| Work Plan Category | Regulatory compliance/Environmental |

Work Description:

The Waterside Dock is a high-level relieving platform structure adjacent to former Con Edison Waterside generating station and bordered by FDR Drive, E38th and E41st Street with East River on the eastern edge of the dock. The structure was inspected as a part of 5-years waterfront inspection program in November 2008.

Overall the structure can be characterized into two portions by their present deteriorated conditions. The “south portion” is approximately 473 ft long and is overall “**Fair**” condition. The “north portion” is approximately 362 ft long and is in overall “**Critical**” condition.

1. Inspection Findings:

- Lost of support at concrete platform/deck “drop beams” in north portion of the dock due to severe damage of timber pile caps by marine borers.
- Lost of support at the dock structure south-east corner (Sta. 4+72) and north –east corner (Sta. 8+35) due to damaged or missing timber piles and pile cap beams.
- Various damages of exterior and interior timber piles.
- Missing support at most of the dock structure east edge due to missing/deteriorated north-south timber cap beams.
- Many of dock’s fender timber members are loose and deteriorated and about to fall into the river. This represents a hazard to river navigation and also environmental concern.
- Concrete deck damages: spalls at concrete deck soffit surfaces, exposed and corroded concrete reinforcement, cracks, efflorescence, top surface wear, etc.

2. Inspection Recommendations:

- Repair critical members of dock’s north portion to insure structural stability and integrity of the dock. Deteriorated timber cap beams and parts of deteriorated timber piles will be repaired by replacement with new timber.
- Restrict vehicular access to north portion of the dock and to entire eastern edge of the dock structure by installation of guardrail barrier.
- Remove loose and deteriorated timber fender system and timber edging along entire eastern edge of the dock.

Order of Magnitude cost estimate – \$2,800,000.

Justification:

The repairs and corrective actions are recommended by the Inspection Report to address present critical condition of key Waterside Dock’s structure members and East River safe navigation concern.

These repairs are recommended to be carried out on a high-priority basis with urgency.

2010 O&M – Shared Services - Facilities

Estimated Completion Date:

This project can be completed in 2010 or ASAP.

Status:

With Engineering. A contract was awarded to an outside engineering firm on 9/18/08 for conducting of Waterside Dock inspection and preparation of design repair package. The design repair package is expected to be completed in April 2009.

Current Working Estimate (if applicable):

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|-------------|-------------|-------------|-------------|
| - | - | - | - |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|----------|----------|----------|--------------------------|
| \$2,800 | - | - | \$2,800 |

Historical elements of expense (EOE's)

| EOE | 2006 | 2007 | 2008 | 2009 |
|--------------|------|------|------|------|
| Labor | | | | |
| M&S | | | | |
| *A/P | | | | |
| Contingency | | | | |
| Total | - | - | - | - |

Forecast

| EOE | RYE 2011 | RYE 2012 | RYE 2013 | Total |
|--------------|----------------|----------|----------|----------------|
| Labor | | | | |
| M&S | | | | |
| *A/P- | | | | |
| Contract | | | | |
| Labor | \$2,800 | - | - | \$2,800 |
| Contingency | | | | |
| Total | \$2,800 | - | - | \$2,800 |

2010 O&M – Shared Services - Facilities

| | |
|-------------------------------|---|
| Project/Program Title | Contractual Rent & Tax Increases (Regions) |
| Status | Ongoing |
| Estimated Service Date | 2013 |
| Work Plan Category | Regulatory |

Work Description:

Rent increases at the following locations: 30 Flatbush Ave., Queens Blvd., Foster Avenue Van Dam Street, and 165th Street Jamaica. Taxes have increased at 30 Flatbush Avenue.

Justification:

- Alternatives: None
- Risk of No Action: Violation of Contractual/Regulatory Requirements
- Summary of Financial Benefits and Costs: n/a
- Non-financial Benefits (if applicable): n/a
- Technical Evaluation/Analysis: n/a
- Sensitivity Analysis (if applicable): n/a
- Project Relationships (if applicable):

Contractual / Regulatory

Estimated Completion Date:

Ongoing

Status:

Ongoing

Current Working Estimate (if applicable):

2010 O&M – Shared Services - Facilities

Funding (\$000):

| Actual 2006 | Actual 2007 | Actual 2008 | Budget 2009 |
|----------------|----------------|----------------|-------------|
| \$5,467 | \$6,750 | \$7,971 | \$8,038 |

| RYE 2011 | RYE 2012 | RYE 2013 | Forecast Total 2011-2013 |
|----------|----------|----------|-----------------------------|
| \$8,441 | \$8,774 | \$8,647 | \$25,862 |

Historical elements of expense (EOE's)

| EOE | 2006 | 2007 | 2008 | 2009 |
|--------------------------------|----------------|----------------|----------------|----------------|
| Labor | | | | |
| M&S | | | | |
| *A/P | | | | |
| Rent & Real Estate Taxes | \$5,467 | \$6,750 | \$7,971 | \$8,038 |
| Total | \$5,467 | \$6,750 | \$7,971 | \$8,038 |

Forecast

| EOE | RYE 2011 | RYE 2012 | RYE 2013 | Total |
|--------------------------------|----------------|----------------|----------------|-----------------|
| Labor | | | | |
| M&S | | | | |
| *A/P | | | | |
| Rent & Real Estate Taxes | \$8,441 | \$8,774 | \$8,647 | \$25,862 |
| Total | \$8,441 | \$8,774 | \$8,647 | \$25,862 |