

443

**Input Section I, SC13**

|   |   |                |
|---|---|----------------|
| <b>1. From Cost of Service Study Data</b> | (Used to allocate the Distribution Revenue) | <b>% Total</b> |
| Minimum Grid \$                           |   | 0.0000%        |
| Customer-Cost Excl'd Minimum Grid \$      | 13,480                                      | 0.9305%        |
| Primary Distribution \$                   | 1,436,143                                   | 99.0695%       |
| Secondary Distribution \$                 |   | 0.0000%        |
|   | 1,449,632                                   | 100.0000%      |

|                       |        |          |
|-----------------------|--------|----------|
| <b>1b. EDB Factor</b> | Summer | 1.011917 |
|                       | Winter | 1.013750 |
|                       | Annual | 1.013139 |

**2. SC13 TOD II Transmission Revenues at 57/100 Level Before EDB (Energy and Demand):**  
(On Separate Price-out Sheets)

|                 | SUMMER         | WINTER         | ANNUAL         |
|-----------------|----------------|----------------|----------------|
| SC13 (Demand)   | \$ 247,786     | \$ 265,170     | \$ 512,956     |
| SC13 Energy     | \$ 35,433      | \$ 79,717      | \$ 115,150     |
| <b>TOTAL \$</b> | <b>283,219</b> | <b>344,887</b> | <b>628,106</b> |

|  |          |          |            |
|--|----------|----------|------------|
| <b>2a. EDB Factor:</b>   | 1.011917 | 1.013750 |            |
| <b>2b. SC13 TOD Transmission Revenues at 61/100 Level After EDB (Energy and Demand):</b><br>(EDB applied only to Demand Rev) | \$       | \$       | \$ 635,719 |

**3. Distribution Revenues at 40/101 Level Before EDB:**  
Page B-66 of Global Reduction Filing

|                                  | SUMMER         | WINTER         | ANNUAL           |
|----------------------------------|----------------|----------------|------------------|
| SC13 TOD Demand Primary \$       | 625,121        | 584,896        | 1,210,017        |
| SC13 TOD Demand Secondary \$     |                |                |                  |
| SC13 TOD Energy \$               | 161,415        | 383,156        | 544,571          |
| <b>Total Distribution Rev \$</b> | <b>786,536</b> | <b>968,052</b> | <b>1,754,587</b> |

|   |          |          |              |
|---|----------|----------|--------------|
| <b>3a. EDB Factor</b>                                       | 1.011917 | 1.013750 |              |
| <b>3b. Distribution Revenues at 40/101 Level After EDB:</b> | \$       | \$       | \$ 1,760,079 |

444

3c. Allocation of Distribution Revenue at 4701 Level (After EDB) based on Cost of Service Study %:

|  | Allocation of \$1,750,079 |
|--|---------------------------|
| Minimum Grid (Will be allocated to Secondary Dist. Charge) | 0.000000%                 |
| Customer-Cost Exclud. Minimum Grid                         | 0.930500%                 |
| Primary Distribution                                       | 99.069500%                |
| Secondary Distribution                                     | 0.000000%                 |
|  | 100.000000%               |
|  | 1,750,079                 |

3d. Breakdown of Total Primary Distribution Costs Based on Data provided by ECOS Group:

|              | Allocation of \$1,733,795 |
|--------------|---------------------------|
| % Substation | 33.010000%                |
| % Primary    | 66.990000%                |
|              | 572,326                   |
|              | 1,161,469                 |
|              | 1,733,795                 |

4. Total SC13 I&D Revenues

|            |    |           |
|------------|----|-----------|
| Before EDB | \$ | 2,363,893 |
| After EDB  | \$ | 2,385,798 |

5. Standby Customer Costs:

\$ 10,284

Revenue Requirement for Total Standby Transmission Contract and As-Used Charge (After EDB):

\$ 935,719

Revenue Requirement for Total Standby Substation Contract and As-Used Charge (After EDB):

\$ 572,326

Revenue Requirement for Total Standby Primary Distribution Contract and As-Used Charge (After EDB):

\$ 1,781,469

Revenue Requirement for Total Standby Secondary Distribution Contract and As-Used Charge (After EDB):

\$ 2,368,614

Total SC13 Standby Revenue Requirement:

\$ 2,385,798

Revenue Requirement for Total Standby Secondary Distribution Contract and As-Used Charge (After EDB):

\$ -

Minimum Grid (Will be allocated to Secondary Contract Distribution Charge)

\$ -

Secondary Distribution Rev Req Excluding Minimum Grid:

\$ -

445

9. Billing Determinants:

|  | SUMMER     | WINTER                  | ANNUAL      |
|--|------------|-------------------------|-------------|
| <b>Number of Bills</b>                                 | 4          | 8                       | 12          |
| SC13 II  |            |                         |             |
| APPHS  | 38,369,600 | 88,574,400              | 127,944,000 |
| <b>Billing kW</b>                                      |            |                         |             |
| SC13 II  |            |                         |             |
| Transmission HT & LT                                   | 68,073     | 169,535                 | 237,608     |
| Transmission HT  | 68,073     | 169,535                 | 237,608     |
| Transmission LT  |            | winter 8 A.M. - 10 P.M. |             |
| <b>Distribution</b>                                    |            |                         |             |
| Primary  | 76,608     | 169,535                 | 246,143     |
| Primary HT   | 76,608     | 169,535                 | 246,143     |
| Primary LT   |            | winter 8 A.M. - 10 P.M. |             |
| <b>Distribution Secondary (All LT)</b>                 |            |                         |             |
| Secondary kW that occurred on peak (Equals Primary LT) |            |                         |             |

6a. Relationship between the highest annual registered demand and annual billing demand:

6b. SC13 II Billing Demand From 1993 TOUL Price-Out used for Adjusted Sales

HT+LT  
LT  
HT

107.16%

247,092  
247,092

6c. Development of Contract Demand For HT&LT: Billing demand multiplied by the ratio in 6a.

Summer  
Winter

264,933  
88,278  
176,655

6d. Development of Contract Demand LT: Billing demand multiplied by the ratio in 6a.

Summer  
Winter

Development of Contract Demand HT: Billing demand multiplied by the ratio in 6a.

Summer  
Winter

264,933  
88,278  
176,655

446

6e. Relationship between the highest registered demand recorded by season and the average daily demand by season by rating period:

|              | Summer  | Winter  |
|--------------|---------|---------|
| Transmission | 109.75% | 106.30% |
| Distribution | 107.68% | 106.30% |

6f. Average Number of Days at which the On-Peak Transmission and Distribution Charges are applied in a summer month:  
 Average Number of Days at which the On-Peak Transmission and Distribution Charges are applied in a winter month:

22.00  
21.93

Based on 1993 Calendar

7. Current SC13 II Demand Transmission and Distribution Rates: \$/kWh

|                           | Summer     | Winter  | Seasonal Differential |
|---------------------------|------------|---------|-----------------------|
| Transmission \$           | 3.64 \$    | 1.57 \$ | 2.07                  |
| Rate Design Equation      | X + 2.0700 | X       |                       |
| Primary Distribution \$   | 8.16 \$    | 3.45 \$ | 4.71                  |
| Rate Design Equation      | Y + 4.71   | Y       |                       |
| Secondary Distribution \$ | - \$       | - \$    |                       |
| Rate Design Equation      | Z + 0.00   | Z       |                       |

8. Revenue Allocation Percentages From ECOS For 138 kV and above Customers:

|  | From ECOS: | SC13 II Customer Costs Excluding Minimum Grid | Est. Costs for 138kV | % of Customer Costs for 138kV |
|--|------------|---|----------------------|-------------------------------|
|  | \$         | 13,489 \$                                     | 12,754               | 94.55%                        |

(Includes Only Meter and Meter Installation, Customer Account/Tip, Uncollectible, and Customer Service)

% of Customer Costs  
 % of Total Primary Costs  
 % of Total Substation Costs  
 % of Total Transmission Costs

9. SC13 Contract and As-Used Rev. allocation Information Provided by Electric Engineering:

|              | Contract | Secondary (LT) | As-Used | Primary (HT) | Contract | As-Used | 138kV & Above Customer |
|--------------|----------|----------------|---------|--------------|----------|---------|------------------------|
| Secondary    |          | 100%           | 0%      |              |          |         | As-Used                |
| Primary      |          | 50%            | 50%     |              |          | 50%     | 100%                   |
| Substation   |          | 0%             | 100%    |              |          | 50%     | 100%                   |
| Transmission |          | 0              | 100%    |              |          | 0%      | 50%                    |

447

Input Section II - SC 13

The following information are directly obtained from the MISC and MAC rate section:  
(You link directly to the rate section)

| Month  | SC13 Energy MAG - ON Peak |             | SC13 Energy MAC - Off Peak |             | SC13 Demand MAC |             |
|--------|---------------------------|-------------|----------------------------|-------------|-----------------|-------------|
|        | NYC                       | Westchester | NYC                        | Westchester | NYC             | Westchester |
| May-02 | \$ 0.00160                | \$ 0.00460  | \$ 0.00140                 | \$ 0.00350  | \$ (6.51000)    | \$ 3.34000  |
| Jun-02 | \$ 0.00360                | \$ 0.00590  | \$ 0.00330                 | \$ 0.00650  | \$ (6.39000)    | \$ 3.46000  |
| Jul-02 | \$ (0.00140)              | \$ 0.00280  | \$ (0.00090)               | \$ 0.00130  | \$ (6.52000)    | \$ 3.39000  |
| Aug-02 | \$ (0.00140)              | \$ 0.00290  | \$ (0.00080)               | \$ 0.00130  | \$ (6.49000)    | \$ 3.36000  |
| Sep-02 | \$ 0.00440                | \$ 0.00520  | \$ 0.00380                 | \$ 0.00600  | \$ (6.39000)    | \$ 3.76000  |
| Oct-02 | \$ 0.00290                | \$ 0.00610  | \$ 0.00240                 | \$ 0.00460  | \$ (6.50000)    | \$ 3.35000  |

448

SC13 Contract and As-Used Revenue allocation for HT and LT Customers  
Based on Information Provided by Electric Engineering

1. Information from Electric Engineering (Input Section,9):

|              | Secondary (LT) |         | Primary (HT) |         |
|--------------|----------------|---------|--------------|---------|
|              | Contract       | As-Used | Contract     | As-Used |
| Secondary    | 100%           | 0%      |              |         |
| Primary      | 50%            | 50%     | 100%         | 0%      |
| Substation   | 0%             | 100%    | 50%          | 50%     |
| Transmission | 0%             | 100%    | 0%           | 100%    |

2. Total SC13 Standby Revenue Requirement ( Input Section,5):

**SECONDARY DISTRIBUTION**

Total Standby Secondary Distribution Contract and As-Used Revenue Requirement (After EDB):  
Minimum Grid (Will be allocated to Secondary Contract Distribution Charge)

\$ -  
\$ -  
\$ -

Total Secondary Distribution Rev Req Excluding Minimum Grid:

Allocation of Total Secondary Distribution Rev. Req. Between Contract and As-Used Revenues:

| Secondary | Secondary |         | Primary  |         | 138kV & Above Customer |         |
|-----------|-----------|---------|----------|---------|------------------------|---------|
|           | Contract  | As-Used | Contract | As-Used | Contract               | As-Used |
|           |           | 100%    |          | 0%      |                        |         |
| \$ -      | \$ -      | \$ -    |          |         |                        |         |
| Total     | \$ -      | \$ -    |          |         |                        |         |

minimum grid

**PRIMARY DISTRIBUTION**

Total Standby Primary Distribution Contract and As-Used Revenue Requirement (After EDB):

\$ 1,161,488

|                         | Annual Contract kW | % Total kW |
|-------------------------|--------------------|------------|
| HT (Primary Customer)   | 264,833            | 100.00%    |
| LT (Secondary Customer) | -                  | 0.00%      |
| Total kW                | 264,833            | 100.00%    |

Allocation of Total Primary Dist. Rev. Req. to High and Low Tension customers based on the percent above:

| Type of Customer | % Total kW | Rev Req. Contributed by the customer |
|------------------|------------|--------------------------------------|
| Primary          | 100.00%    | \$ 1,161,488                         |
| Secondary        | 0.00%      | \$ -                                 |
|                  | 100.00%    | \$ 1,161,488                         |

Allocation of Revenue Requirement Between Contract and As-Used Revenues:

| Primary | Secondary |         | Primary      |         |
|---------|-----------|---------|--------------|---------|
|         | Contract  | As-Used | Contract     | As-Used |
|         | 50%       | 50%     | 100%         | 0%      |
| Rev Req | \$ -      | \$ -    | \$ 1,161,488 | \$ -    |
| Total   | \$ -      | \$ -    | \$ 1,161,488 | \$ -    |

449

**SUBSTATION**

Total Standby SUBSTATION Contract and As-Used Revenue Requirement (After EDB): \$ 572,326

|                         | Annual Contract kW | % Total kW     |
|-------------------------|--------------------|----------------|
| HT (Primary Customer)   | 264,833            | 100.00%        |
| LT (Secondary Customer) | -                  | 0.00%          |
| <b>Total kW</b>         | <b>264,833</b>     | <b>100.00%</b> |

Allocation of Total Substation Rev. Req. to High and Low Tension customers based on the percent above:

| Type of Customer | % Total kW | Rev Req. Contributed by the customer |
|------------------|------------|--------------------------------------|
| Primary          | 100.00%    | \$ 572,326                           |
| Secondary        | 0.00%      | \$ -                                 |
|                  | 100.00%    | \$ 572,326                           |

Allocation of Substation Rev. Req. Contributed by Various groups of customer Between Contract and As-Used Rev:

| Substation   | Secondary |         | Primary    |            |
|--------------|-----------|---------|------------|------------|
|              | Contract  | As-Used | Contract   | As-Used    |
|              | 0%        | 100%    | 50%        | 50%        |
| Rev Req.     | \$ -      | \$ -    | \$ 286,163 | \$ 286,163 |
| <b>Total</b> | \$ -      | \$ -    | \$ 286,163 | \$ 286,163 |

**TRANSMISSION**

Total Standby Transmission Contract and As-Used Revenue Requirement (After EDB): \$ 635,719

|                         | Annual Contract kW | % Total kW     |
|-------------------------|--------------------|----------------|
| HT (Primary Customer)   | 264,833            | 100.00%        |
| HT (Secondary Customer) | -                  | 0.00%          |
| <b>Total kW</b>         | <b>264,833</b>     | <b>100.00%</b> |

Allocation of Total TRANSMISSION Rev. Req. to High and Low Tension customers based on the percent above:

| Type of Customer | % Total kW | Rev Req. Contributed by the customer |
|------------------|------------|--------------------------------------|
| Primary          | 100.00%    | \$ 635,719                           |
| Secondary        | 0.00%      | \$ -                                 |
|                  | 100.00%    | \$ 635,719                           |

Allocation of Transmission Rev. Req. Contributed by Various groups of customer Between Contract and As-Used Rev:

| Transmission | Secondary |         | Primary  |            |
|--------------|-----------|---------|----------|------------|
|              | Contract  | As-Used | Contract | As-Used    |
|              | 0%        | 100%    | 0%       | 100%       |
| Rev Req.     | \$ -      | \$ -    | \$ -     | \$ 635,719 |
| <b>Total</b> | \$ -      | \$ -    | \$ -     | \$ 635,719 |

450

Summary Of Transmission And Distribution Contract and As-Used Revenue Requirements

|              | By HT & LT Customers |         |              |            |              |            | Grand Total  |
|--------------|----------------------|---------|--------------|------------|--------------|------------|--------------|
|              | Secondary            |         | Primary      |            | Total        |            |              |
|              | Contract             | As-Used | Contract     | As-Used    | Contract     | As-Used    |              |
| Secondary    | \$ -                 | \$ -    | \$ -         | \$ -       | \$ -         | \$ -       | \$ -         |
| Primary      | \$ -                 | \$ -    | \$ 1,181,489 | \$ -       | \$ 1,181,489 | \$ -       | \$ 1,181,489 |
| Substation   | \$ -                 | \$ -    | \$ 286,163   | \$ 286,163 | \$ 286,163   | \$ 286,163 | \$ 572,328   |
| Transmission | \$ -                 | \$ -    | \$ -         | \$ 635,718 | \$ -         | \$ 635,718 | \$ 635,718   |
| <b>Total</b> | \$ -                 | \$ -    | \$ 1,447,632 | \$ 921,882 | \$ 1,447,632 | \$ 921,882 | \$ 2,369,514 |

451

**SC13 Standby Rate Design  
Applicable to SC13 Customers**

**A. Development Of Standby Customer Charge:**

|                | <u>Customer Charge Rev</u> | <u>Number of Bills</u> | <u>Customer Charge</u> |
|----------------|----------------------------|------------------------|------------------------|
| Including EDB: | 16,284                     |                        |                        |
| Annual EDB:    | 1.013139                   |                        |                        |
| Excluding EDB: | \$ 16,073                  | 12.0                   | \$ 1,339.42            |

**B. Development of Contract Demand Charges, Per kW**

|                             | <u>Contract DMD Rev Incl EDB</u><br><u>SC13 Contract &amp; Allowed Rev</u><br><u>Alloc. Sheet</u> | <u>Contract DMD Rev Excl. EDB</u><br><u>EDB Factor 1.013139</u> | <u>Contract Demand (KW)</u><br><u>Input Section 6 (c)</u> | <u>Contract Dmd Charge</u><br><u>\$/KW Contract Demand</u> |
|-----------------------------|---|---|---|--|
| <u>Transmission</u>         |   |   |   |  |
| Primary (HT) \$             | -   | -   | 264,833   | \$ -   |
| <u>Substation</u>           |   |   |   |  |
| Primary (HT) \$             | 266,163   | 262,452   | 264,833   | \$ 1.07  |
| <u>Primary Distribution</u> |   |   |   |  |
| Primary (HT) \$             | 1,161,469   | 1,146,406   | 264,833   | \$ 4.33  |

452

**C. Development of Daily As-Used On-Peak Transmission Demand Charge For HT, \$/kW**

As-Used Transmission Demand Revenue Requirement (Incl. EDB) for Primary (HT) Customers: \$ 635,719  
635,719

1. As-Used Transmission Demand Revenue Requirement (Incl. EDB) for Primary (HT) Customers: \$ 635,719

| Calculation of Seasonal Differential in current transmission demand rates to be used in Rate Design Equations: |         |  |         | Percent As-Used (Share of the Differential) | New Differential Reflecting % As-Used |
|--|---------|--|---------|---|---------------------------------------|
|  | Summer  |  | Winter  |   |                                       |
| SC13 Transmission Demand Rates \$  | 3.64 \$ |  | 1.57 \$ | Seasonal Differential                       | 2.07                                  |
|  |         |  |         |   | 100%                                  |
|  |         |  |         |   | \$ 2.07                               |

**Rate Design Equation**

|                                     |        | Demand             |            |
|-------------------------------------|--------|--------------------|------------|
|                                     |        | HT Transmission kW |            |
| Daily Transmission As-Used Revenue= | Summer | 68,073             | * X + 2.07 |
|                                     | Winter | 169,535            | * X        |

**Design of As-Used On Peak Transmission Charge, Per KW of Monthly Transmission Peak Demand for HT Customer:**

|    |            |                  |           |
|----|------------|------------------|-----------|
| \$ | 635,719 =  | 68,073 X+        | 140,911 + |
|    |            | 169,535 X        |           |
| \$ | 484,808 =  | 237,608 X        |           |
|    | X =        | \$ 2.0825 Per KW | Winter    |
|    | X + 2.07 = | \$ 4.1526 Per KW | Summer    |

**Daily As-Used On Peak Transmission Charge: If the Daily Transmission Peak Demand equals the Monthly Transmission Peak Demand:**

|                   |    |               |        |
|-------------------|----|---------------|--------|
| X/21.63 =         | \$ | 0.0963 Per KW | Winter |
| (X+2.07) /22.00 = | \$ | 0.1888 Per KW | Summer |

453

Daily As-Used On Peak Transmission Charge: To be used to bill the HT customers:

To account for the fact that we will bill the customer on a daily transmission peak demand that does not equal to the average of the Monthly transmission Peak Demand, a seasonal factor from ECOS will be applied to the above daily rates to maintain revenue neutrality:

|          |    | <u>Seasonal Factor from ECOS</u><br>(Input Section I, 6d) |         |   | <u>Daily Rates</u><br><u>to be used</u> |        |
|----------|----|---|---------|---|---|--------|
| Winter = | \$ | 0.0863  | 106.30% | = | \$                                      | 0.1024 |
| Summer = | \$ | 0.1888  | 109.79% | = | \$                                      | 0.2073 |

SC13 Proposed Standby Daily As-Used Transmission Charge for Billing the HT customers:

| <u>KW</u> |    | <u>Scale Back to Monthly Peak Rates</u> |         |
|-----------|----|---|---------|
| Winter    | \$ | 0.1024                                  | \$ 2.08 |
| Summer    | \$ | 0.2073                                  | \$ 4.15 |
|           |    |   | \$ 2.07 |

Daily On-Peak As-Used Transmission Rate Summary

|        |    | <u>HT</u> |  |
|--------|----|-----------|--|
| Winter | \$ | 0.1024    |  |
| Summer | \$ | 0.2073    |  |

454

**D. Development of Daily As-Used On-Peak Substation Demand Charge For HT Customers, \$/kW**

As-Used Substation Demand Revenue Requirement (Incl. EDB) for Primary (HT) Customers: \$ 286,163  
286,163

2. As-Used Substation Demand Revenue Requirement (Incl. EDB) for HT Customers: \$ 286,163

|  |         |    |        | <u>% Substation</u>                         |         |
|--|---------|----|--------|---|---------|
|  |         |    |        | 33%   |         |
|  |         |    |        | Substation Share of Diff.                   |         |
|  |         |    |        | \$  | 1.55    |
|  |         |    |        | New Differential                            |         |
|  |         |    |        | As-Used Share of Diff. Reflecting % As-Used |         |
|  |         |    |        | 50%   | \$ 0.78 |
| <u>Calculation of Seasonal Differential in current Primary demand rates to be used in Rate Design Equations:</u> |         |    |        |   |         |
|  | Summer  |    | Winter | Seasonal Differential                       |         |
| Current SC13 Primary Demand Rates  | \$ 8.16 | \$ | 3.45   | \$  | 4.71    |

Rate Design Equation

|                                   |        | <u>Demand</u>             |         |           |
|-----------------------------------|--------|---------------------------|---------|-----------|
|                                   |        | HT KW (In Primary Period) |         |           |
| Daily Substation As-Used Revenue= | Summer |                           | 76,608  | * Y+ 0.78 |
|                                   | Winter |                           | 169,535 | * Y       |

Design of As-Used On Peak Substation Charge, Per KW of Monthly Peak Demand for HT Customer:

|    |           |    |         |        |        |   |
|----|-----------|----|---------|--------|--------|---|
| \$ | 286,163   | =  | 76,608  | Y+     | 59,754 | + |
|    |           |    | 169,535 | Y      |        |   |
| \$ | 228,409   | =  | 246,143 | Y      |        |   |
|    | Y =       | \$ | 0.9198  | Per KW | Winter |   |
|    | Y+ 0.78 = | \$ | 1.6998  | Per KW | Summer |   |

Daily As-Used On Peak Substation Charge: If the Daily on Peak Demand equals the Monthly Peak Demand:

|  |                   |    |        |        |        |
|--|-------------------|----|--------|--------|--------|
|  | Y/21.63 =         | \$ | 0.0425 | Per KW | Winter |
|  | (Y+0.78) /22.00 = | \$ | 0.0773 | Per KW | Summer |

455

**Daily As-Used On Peak Substation Charge: To be used to bill the HT customers:**

To account for the fact that we will bill the customer on a daily transmission peak demand that does not equal to the average of the Monthly transmission Peak Demand, a seasonal factor from EGOS will be applied to the above daily rates to maintain revenue neutrality:

|          |    | <u>Seasonal Factor from EGOS</u><br>(Input Section I, 6d) |         |   | <u>Daily Rates to be used</u> |        |
|----------|----|---|---------|---|-------------------------------|--------|
| Winter = | \$ | 0.0425  | 108.30% | * | \$                            | 0.0452 |
| Summer = | \$ | 0.0773  | 107.68% | * | \$                            | 0.0832 |

**SC13 Proposed Standby Daily As-Used Substation Charge for Billing the HT customers:**

| <u>kW</u> |           | <u>Scale Back to Monthly Peak Rates</u> |      |
|-----------|-----------|---|------|
| Winter    | \$ 0.0452 | \$                                      | 0.92 |
| Summer    | \$ 0.0832 | \$                                      | 1.70 |
|           |           | \$                                      | 0.78 |

| <u>Daily On-Peak As-Used Substation Rate Summary</u> |                  | <u>Type of Customer</u> |                     |
|--|------------------|-------------------------|---------------------|
|  | <u>LT (Sec.)</u> |                         | <u>HT (Primary)</u> |
| Winter \$  | - \$             |                         | 0.0452              |
| Summer \$  | - \$             |                         | 0.0832              |

456

**E. Development of Daily As-Used On-Peak Primary Demand Charge For HT & LT customers, \$/kW**

As-Used Primary Demand Revenue Requirement (incl. EDB) for Secondary (LT) Customers: \$ -  
 As-Used Primary Demand Revenue Requirement (incl. EDB) for Primary (HT) Customers: \$ -

1 As-Used Primary Demand Revenue Requirement (incl. EDB) for HT Customers: \$ -

|  |         |         | % Primary              |      |                      |  |
|--|---------|---------|------------------------|------|----------------------|--|
|  |         |         | 67%                    |      |                      |  |
|  |         |         | Primary Share of Diff. |      |                      |  |
| <b>Calculation of Seasonal Differential in current Primary demand rates to be used in Rate Design Equations:</b> |         |         | \$                     | 3.16 | New Differential     |  |
|  | Summer  | Winter  | As-Used Share of Diff. |      | Reflecting % As-Used |  |
| Current SC13 Primary Demand Rates  | \$ 8.16 | \$ 3.45 | Seasonal Differential  | 0%   | \$ -                 |  |
|  |         |         |                        |      | 4.71                 |  |

**Rate Design Equation**

| Daily Primary As-Used Revenue* | Demand |                           |           |
|--------------------------------|--------|---------------------------|-----------|
|                                | Summer | Winter                    |           |
|                                |        | HT kW (in Primary Period) |           |
|                                |        | 76,608                    | * Y+ 0.00 |
|                                |        | 169,535                   | - Y       |

**Design of As-Used On Peak Primary Charge, Per kW of Monthly Peak Demand for HT Customer:**

\$ - = 76,608 Y+  
 169,535 Y

\$ - = 246,143 Y

Y = \$ - Per kW Winter  
 Y+ 0.00 = \$ - Per kW Summer

**Daily As-Used On Peak Primary Charge: If the Daily on Peak Demand equals the Monthly Peak Demand:**

Y/21.63 = \$ - Per kW Winter  
 (Y+0.00)/22.00 = \$ - Per kW Summer

457

Daily As-Used On Peak Primary Charge: To be used to bill the HT customers:

To account for the fact that we will bill the customer on a daily transmission peak demand that does not equal to the average of the Monthly transmission Peak Demand, a seasonal factor from ECOS will be applied to the above daily rates to maintain revenue neutrality:

|          |    |   | <u>Seasonal Factor from ECOS</u><br>(Input Section I, §d) |   | <u>Daily Rates</u><br><u>to be used</u> |
|----------|----|---|---|---|---|
| Winter = | \$ | - | 106.30%   | = | \$ -                                    |
| Summer = | \$ | - | 107.68%   | = | \$ -                                    |

SC13 Proposed Standby Daily As-Used Primary Charge for Billing the HT customers:

| <u>kW</u> |    |   | <u>Scale Back to Monthly Peak Rates</u> |
|-----------|----|---|---|
| Winter    | \$ | - | \$ -                                    |
| Summer    | \$ | - | \$ -                                    |
|           |    |   | \$ -                                    |

| <u>Daily On-Peak As-Used Primary Rate Summary</u> | <u>Type of Customer</u> |
|---|-------------------------|
| Winter  | <u>HT (Primary)</u>     |
| Summer  |                         |

458

**G. SC13 II Standby Rate Priceout:**

| <u>Summer</u>                            | <u>Rate</u>                      | <u>Bills or<br/>Kilowatt</u> | <u>Revenue Before EDB</u> | <u>Summer EDB</u> | <u>Revenue After EDB</u> |
|--|----------------------------------|------------------------------|---------------------------|-------------------|--------------------------|
| <u>Customer Charge</u>                   | \$                               | 1,339.42                     | 4 \$ 5,358                | 1.011917          | \$ 5,422                 |
| <u>Contract Demand Charge:</u>           |                                  |                              |                           |                   |                          |
| <u>Transmission</u>                      |                                  |                              |                           |                   |                          |
| HT                                       | \$                               | -                            | 88,278 \$                 | 1.011917          | \$ -                     |
| <u>Substation</u>                        |                                  |                              |                           |                   |                          |
| HT                                       | \$                               | 1.0700                       | 88,278 \$ 94,457          | 1.011917          | \$ 95,583                |
| <u>Primary Distribution</u>              |                                  |                              |                           |                   |                          |
| HT                                       | \$                               | 4.3300                       | 88,278 \$ 382,244         | 1.011917          | \$ 386,799               |
| <u>Total Summer Contract Charge Rev</u>  |                                  |                              |                           |                   | \$ 482,382               |
| <br>                                     |                                  |                              |                           |                   |                          |
| <u>Daily As-Used On-Peak</u>             | <u>Daily Rate</u>                |                              | <u>kW</u>                 | <u>Daily Rev</u>  | <u>Rev Includ. EDB</u>   |
| <u>Transmission Demand Charge:</u>       | <u>Before Adjusted by Factor</u> |                              |                           |                   |                          |
| HT                                       | \$ 0.1888                        |                              | 69,073 \$                 | 12,852            | * 22.00 = \$ 282,744     |
| <br>                                     |                                  |                              |                           |                   |                          |
| <u>Daily As-Used On-Peak</u>             |                                  |                              |                           |                   |                          |
| <u>Substation Demand Charge:</u>         |                                  |                              |                           |                   |                          |
| HT                                       | \$ 0.0770                        |                              | 76,608 \$                 | 5,922             | * 22.00 = \$ 130,284     |
| <br>                                     |                                  |                              |                           |                   |                          |
| <u>Daily As-Used On-Peak</u>             |                                  |                              |                           |                   |                          |
| <u>Primary Demand Charge:</u>            |                                  |                              |                           |                   |                          |
| HT                                       | \$ -                             |                              | 76,608 \$                 | -                 | * 22.00 = \$ -           |
| <u>Total Summer Daily As-Used Charge</u> |                                  |                              |                           |                   | \$ 413,028               |
| <u>Summer Standby Revenue After EDB</u>  |                                  |                              |                           |                   | \$ 900,832               |

459

| <u>Winter</u>                               | <u>Rate</u>                      | <u>Bills or<br/>Kilowatt</u> | <u>Revenue Before EDB</u> | <u>Winter</u> | <u>Revenue After EDB</u> |
|---|----------------------------------|------------------------------|---------------------------|---------------|--------------------------|
| <u>Customer Charge</u>                      | \$                               | 1,338.42                     | 8 \$ 10,715               | 1.01375 \$    | 10,862                   |
| <u>Contract Demand Charge:</u>              |                                  |                              |                           |               |                          |
| <u>Transmission</u>                         |                                  |                              |                           |               |                          |
| HT \$                                       | -                                |                              | 176,555 \$                | 1.01375 \$    | -                        |
| <u>Substation</u>                           |                                  |                              |                           |               |                          |
| HT \$                                       | 1.0700                           |                              | 178,555 \$ 188,914        | 1.01375 \$    | 191,512                  |
| <u>Primary Distribution</u>                 |                                  |                              |                           |               |                          |
| HT \$                                       | 4.3300                           |                              | 176,555 \$ 754,483        | 1.01375 \$    | 774,995                  |
| <u>Total Winter Contract Charge Rev</u>     |                                  |                              |                           |               | \$ 966,507               |
| <br>  |                                  |                              |                           |               |                          |
| <u>Daily As-Used On-Peak</u>                | <u>Daily Rate</u>                |                              |                           |               |                          |
| <u>Transmission Demand Charge:</u>          | <u>Before Adjusted by Factor</u> | <u>kW</u>                    | <u>Daily Rev</u>          |               | <u>Rev. Incl. EDB</u>    |
| HT \$                                       | 0.0983                           | 169,535                      | \$ 16,326                 | * 21.63 =     | \$ 353,131               |
| <u>Daily As-Used On-Peak</u>                |                                  |                              |                           |               |                          |
| <u>Substation Demand Charge:</u>            |                                  |                              |                           |               |                          |
| HT \$                                       | 0.0425                           | 169,535                      | \$ 7,205                  | * 21.63 =     | \$ 155,844               |
| <u>Daily As-Used On-Peak</u>                |                                  |                              |                           |               |                          |
| <u>Primary Demand Charge:</u>               |                                  |                              |                           |               |                          |
| HT \$                                       | -                                | 169,535                      | \$ -                      | * 21.63 =     | \$ -                     |
| <u>Total Winter Daily As-Used Charge</u>    |                                  |                              |                           |               | \$ 508,975               |
| <u>Winter Standby Revenue After EDB</u>     |                                  |                              |                           |               | \$ 1,486,344             |
| <u>Total SC13 Standby Revenue After EDB</u> |                                  |                              |                           |               | \$ 2,387,176             |
| <u>SC13 Revenue Requirement</u>             |                                  |                              |                           |               | \$ 2,385,798             |
| <u>Variance</u>                             |                                  |                              |                           |               | \$ 1,378                 |
| <u>% Variance</u>                           |                                  |                              |                           |               | 0.06%                    |

460

**SC13 Standby Rate Design  
Applicable to SC12 138 kV and Above Customers**

**A1. Development of Customer Costs for 138 kV and above customers:**

|                             | <u>Percent Allocation</u> | <u>Standby Customer Cost</u> | <u>Customer Rev Req for 138 kV</u> |
|-----------------------------|---------------------------|------------------------------|------------------------------------|
|                             | 94.55%                    | \$ 16,264                    | \$ 15,397                          |
|                             | (Input Section, 8)        | (Input Section, 5, incl EDB) |                                    |
|                             |                           | Annual EDB                   | 1,013,139                          |
|                             |                           | (Exclude EDB)                | \$ 15,197                          |
| Number of Bills (HT and LT) |                           |                              | 12                                 |
| Customer Cost (\$/Bill)     |                           |                              | \$ 1,266.42                        |

**A2. Revenue Allocations for 138 kV and above customers:**

| <u>Functions</u> | <u>Percent Allocation</u> | <u>Total Standby Costs</u> | <u>Rev. Req. for</u>    |
|------------------|---------------------------|----------------------------|-------------------------|
|                  | (Input Section, 8)        | (Input Section, 5)         | <u>138 kV and above</u> |
|                  |                           | (Incl. EDB)                | (Incl. EDB)             |
| Transmission     | 100%                      | \$ 635,719                 | \$ 635,719              |
| Substation       | 16.00%                    | \$ 572,326                 | \$ 81,572               |
| Primary          | 7.37%                     | \$ 1,161,469               | \$ 85,600               |
|                  |                           |                            | \$ 812,891              |

**A3. Information Provided by Electric Engineering: (Input Section, 9)**

|              | 138kV & Above Customer |         | Rev. Req. for<br>138 kV and above<br>(Incl. EDB) | Based on % Above |            |
|--------------|------------------------|---------|--|------------------|------------|
|              | Contract               | As-Used |  | Contract         | As-Used    |
| Primary      | 100%                   | 0%      | \$ 85,600  | \$ 85,600        | \$ -       |
| Substation   | 100%                   | 0%      | \$ 91,572  | \$ 91,572        | \$ -       |
| Transmission | 50%                    | 50%     | \$ 635,719                                       | \$ 317,860       | \$ 317,860 |
|              |                        |         |  | \$ 495,032       | \$ 317,860 |

**B. Development of Contract Demand Charges for 138 kV and Above Customer, Per kW**

|                             | <u>Contract DMD Rev Incl. EDB</u> | <u>Contract DMD Rev Excl. EDB</u> | <u>Contract Demand (kW)</u>    | <u>Contract Dmd Charge</u> |
|-----------------------------|-----------------------------------|-----------------------------------|--------------------------------|----------------------------|
|                             |                                   | EDB Factor 1.013139               | Input Section 6 (c)<br>LT & HT | \$/kW Contract Demand      |
| <u>Transmission</u>         |                                   |                                   |                                |                            |
| 138 kV and Above            | \$ 317,860                        | 313,798                           | 264,833                        | \$ 1.18                    |
| <u>Substation</u>           |                                   |                                   |                                |                            |
| 138 kV and Above            | \$ 91,572                         | 90,384                            | 264,833                        | \$ 0.34                    |
| <u>Primary Distribution</u> |                                   |                                   |                                |                            |
| 138 kV and Above            | \$ 85,600                         | 84,490                            | 264,833                        | \$ 0.32                    |

461

**C. Development of Daily As-Used On-Peak Transmission Demand Charge  
For 138 kV and Above customers, \$/kW**

As-Used Transmission Demand Revenue Requirement (incl. EBB) for 138 kV and Above Customers: \$ 317,860

|  |        |    |        |                              |                       |                     |
|--|--------|----|--------|------------------------------|-----------------------|---------------------|
|  |        |    |        | <b>% Trans. For 138 kV</b>   |                       |                     |
|  |        |    |        | 100%                         |                       |                     |
|  |        |    |        | <b>Trans. Differential</b>   |                       |                     |
|  |        |    |        | \$ 2.07                      |                       |                     |
|  |        |    |        | <b>138 kV Share of Diff.</b> |                       |                     |
|  |        |    |        | 2.07                         |                       |                     |
|  |        |    |        | <b>Percent As-Used</b>       |                       | New Differential    |
|  |        |    |        | 50%                          |                       | Retaining % As-Used |
|  |        |    |        |                              |                       | 1.04                |
| <b>Calculation of Seasonal Differentials in current transmission demand rates to be used in Rate Design Equations:</b> |        |    |        |                              |                       |                     |
|  | Summer |    | Winter |                              | Seasonal Differential |                     |
| SC13 Transmission Demand Rates \$  | 3.54   | \$ | 1.57   | \$                           | 2.07                  |                     |

**Rate Design Equation**

|                                     |        |                     |         |            |
|-------------------------------------|--------|---------------------|---------|------------|
|                                     |        | <b>Demand</b>       |         |            |
|                                     |        | Ht and Lt Trans. KW |         |            |
| Daily Transmission As-Used Revenue= | Summer |                     | 88,073  | * X + 1.04 |
|                                     | Winter |                     | 189,535 | * X        |

**Design of As-Used On Peak Transmission Charge, Per KW of Monthly Transmission Peak Demand for 138 kV and above Customer:**

|    |            |    |               |          |
|----|------------|----|---------------|----------|
| \$ | 317,860 =  |    | 88,073 X+     | 70,796 * |
|    |            |    | 189,535 X     |          |
| \$ | 247,064 =  |    | 237,808 X     |          |
|    | X =        | \$ | 1.0398 Per KW | Winter   |
|    | X + 1.04 = | \$ | 2.0798 Per KW | Summer   |

**Daily As-Used On Peak Transmission Charge: If the Daily Transmission Peak Demand equals the Monthly Transmission Peak Demand:**

|  |                  |    |               |        |
|--|------------------|----|---------------|--------|
|  | X/21.83 =        | \$ | 0.0481 Per KW | Winter |
|  | (X+1.04)/22.00 = | \$ | 0.0845 Per KW | Summer |

**Daily As-Used On Peak Transmission Charge: To be used to bill the 138 kV and above customers:**

To account for the fact that we will bill the customer on a daily transmission peak demand that does not equal to the average of the Monthly transmission Peak Demand, a seasonal factor from ECOS will be applied to the above daily rates to maintain revenue neutrality:

|          |    |        |                                  |   |                               |
|----------|----|--------|----------------------------------|---|-------------------------------|
|          |    |        | <b>Seasonal Factor from ECOS</b> |   | <b>Daily Rates to be used</b> |
|          |    |        | (Input Section I, 60)            |   |                               |
| Winter = | \$ | 0.0481 | 106.30%                          | = | \$ 0.0511                     |
| Summer = | \$ | 0.0945 | 109.79%                          | = | \$ 0.1038                     |

**SC13 Proposed Standby Daily As-Used Transmission Charge for Billing the HT customers:**

|        |    |        |   |
|--------|----|--------|---|
|        |    |        | <b>Scale Back to Monthly Peak Rates</b> |
|        | KW |        |   |
| Winter | \$ | 0.0511 | \$ 1.04                                 |
| Summer | \$ | 0.1038 | \$ 2.08                                 |
|        |    |        | \$ 1.04                                 |

462

**D. Development of Daily As-Used On-Peak Substation Demand Charge For 138 kV and Above Customers, \$/kW**

As-Used Substation Demand Revenue Requirement (Incl. EDB) for 138 kV and Above Customers:

\$ \_\_\_\_\_

|  |         |
|--|---------|
| <b>% Sub. Per 138 kV</b>                     | 18%     |
| <b>Substation Diff.</b>                      | \$ 1.55 |
| <b>138 kV Share of Diff.</b>                 | \$ 0.25 |
| <b>Percent As-Used</b>                       | 0%      |
| <b>New Differential Reflecting % As-Used</b> | \$ -    |

**Calculation of Seasonal Differential in current Primary demand rates to be used in Rate Design Equations:**

|                                      |         |         |                       |
|--------------------------------------|---------|---------|-----------------------|
|                                      | Summer  | Winter  | Seasonal Differential |
| Current SC13 Primary Demand Rates \$ | 8.16 \$ | 3.45 \$ | 4.71                  |

**Rate Design Equation**

|                                  |        |                    |            |
|----------------------------------|--------|--------------------|------------|
|                                  |        | <b>Demand</b>      |            |
|                                  |        | HT & LT Primary kW |            |
| Daily Substation As-Used Revenue | Summer | 76,808             | * Y + 0.00 |
|                                  | Winter | 169,535            | - Y        |

**Design of As-Used On Peak Substation Charge, Per kW of Monthly Peak Demand for 138 kV and above Customer:**

|    |            |    |         |        |        |   |
|----|------------|----|---------|--------|--------|---|
| \$ | -          | \$ | 76,808  | Y+     | -      | + |
|    |            |    | 169,535 | Y      |        |   |
| \$ | -          | \$ | 246,143 | Y      |        |   |
|    | Y =        | \$ | -       | Per kW | Winter |   |
|    | Y + 0.00 = | \$ | -       | Per kW | Summer |   |

**Daily As-Used On Peak Substation Charge: If the Daily Peak Demand equals the Monthly Peak Demand:**

|                   |    |   |        |        |
|-------------------|----|---|--------|--------|
| Y/21.63 =         | \$ | - | Per kW | Winter |
| (Y+0.00) /22.00 = | \$ | - | Per kW | Summer |

**Daily As-Used On Peak Substation Charge: To be used to bill the 138 kV and above customers:**

To account for the fact that we will bill the customer on a daily peak demand that does not equal to the the Monthly Peak Demand, a seasonal factor from ECOS will be applied to the above daily rates to maintain revenue neutrality:

|          |    |   |                                  |   |                               |
|----------|----|---|----------------------------------|---|-------------------------------|
|          |    |   | <b>Seasonal Factor from ECOS</b> |   | <b>Daily Rates to be used</b> |
|          |    |   | (Input Section I, 6d)            |   |                               |
| Winter = | \$ | - | 108.30%                          | = | \$                            |
| Summer = | \$ | - | 107.68%                          | = | \$                            |

**SC13 Proposed Standby Daily As-Used Substation Charge for Billing the 138 kV and above customers:**

|           |    |   |   |
|-----------|----|---|---|
|           |    |   | <b>Scale Back to Monthly Peak Rates</b> |
| <b>kW</b> |    |   |   |
| Winter    | \$ | - | \$                                      |
| Summer    | \$ | - | \$                                      |
|           |    |   | \$                                      |

463

**E. Development of Daily As-Used On-Peak Primary Demand Charge For 138kV and above customer, \$/kW**

As-Used Primary Demand Revenue Requirement (incl. EDB) for 138 kV and Above Customers:

\$ \_\_\_\_\_

|                             |
|-----------------------------|
| <b>% Primary For 138 kV</b> |
| 7%                          |
| <b>Primary Diff.</b>        |
| \$ 3.16                     |
| 138 kV Share of Diff.       |

|  |        |    |        |                                       |
|--|--------|----|--------|---------------------------------------|
| <b>Calculation of Seasonal Differential in current Primary demand rates to be used in Rate Design Equations:</b> |        |    |        |                                       |
|  | Summer |    | Winter | Seasonal Differential                 |
| Current SC13 Primary Demand Rates \$   | 8.16   | \$ | 3.45   | \$ 4.71                               |
|  |        |    |        | Percent As-Used                       |
|  |        |    |        | 0%                                    |
|  |        |    |        | New Differential Reflecting % As-Used |
|  |        |    |        | \$ -                                  |

Rate Design Equation

|                               |        |                    |              |
|-------------------------------|--------|--------------------|--------------|
|                               |        | <b>Demand</b>      |              |
|                               |        | HT & LT Primary kW |              |
| Daily Primary As-Used Revenue | Summer | 76,608             | * (Z + 0.00) |
|                               | Winter | 169,535            | - Z          |

Design of As-Used On Peak Primary Charge, Per kW of Monthly Peak Demand for 138 kV and above Customer:

|    |              |    |            |        |  |
|----|--------------|----|------------|--------|--|
| \$ |              |    | 76,608 Z+  |        |  |
|    |              |    | 169,535 Z+ |        |  |
| \$ |              |    | 246,143 Z  |        |  |
|    | Y =          | \$ | - Per kW   | Winter |  |
|    | (Z + 0.00) = | \$ | - Per kW   | Summer |  |

Daily As-Used On Peak Primary Charge: if the Daily Peak Demand equals the Monthly Peak Demand:

|                  |    |          |        |
|------------------|----|----------|--------|
| Y/21.83 =        | \$ | - Per kW | Winter |
| (Y+0.00)/22.00 = | \$ | - Per kW | Summer |

Daily As-Used On Peak Primary Charge: To be used to bill the 138 kV and above customers:

To account for the fact that we will bill the customer on a daily peak demand that does not equal to the Monthly Peak Demand, a seasonal factor from ECOS will be applied to the above daily rates to maintain revenue neutrality:

|          |    |   |                                  |   |                               |
|----------|----|---|----------------------------------|---|-------------------------------|
|          |    |   | <b>Seasonal Factor from ECOS</b> |   | <b>Daily Rates to be used</b> |
|          |    |   | (Input Section I, 6d)            |   |                               |
| Winter = | \$ | - | 106.30%                          | = | \$                            |
| Summer = | \$ | - | 107.88%                          | = | \$                            |

SC13 Proposed Standby Daily As-Used Primary Charge for Billing the 138 kV and above customers:

|           |    |   |   |
|-----------|----|---|---|
| <b>kW</b> |    |   | <b>Scale Back to Monthly Peak Rates</b> |
| Winter    | \$ | - | \$                                      |
| Summer    | \$ | - | \$                                      |
|           |    |   | \$                                      |

464

**G. SC13 Standby Rate Priceout for 138 kV and Above customer:**

| <u>Summer</u>  | <u>Rate</u>       | <u>Bills or<br/>Kilowatt</u> | <u>Revenue Before EDB</u> | <u>Summer EDB</u> | <u>Revenue After EDB</u> |
|--|-------------------|------------------------------|---------------------------|-------------------|--------------------------|
| <u>Customer Charge</u>                                       | \$                | 1,266.42                     | 4 \$ 5,066                | 1.011917          | \$ 5,126                 |
| <u>Contract Demand Charge:</u>                               |                   |                              |                           |                   |                          |
| <u>Transmission</u>  |                   |                              |                           |                   |                          |
| 138 kV and Above   | \$                | 1,1800                       | 88,278 \$ 104,168         | 1.011917          | \$ 105,409               |
| <u>Substation</u>  |                   |                              |                           |                   |                          |
| 138 kV and Above   | \$                | 0.3400                       | 88,278 \$ 30,015          | 1.011917          | \$ 30,373                |
| <u>Primary Distribution</u>                                  |                   |                              |                           |                   |                          |
| 138 kV and Above   | \$                | 0.3200                       | 88,278 \$ 28,249          | 1.011917          | \$ 28,566                |
| <u>Total Summer Contract Charge Rev</u>                      |                   |                              |                           |                   | \$ 184,368               |
| <br>   |                   |                              |                           |                   |                          |
| <u>Daily As-Used On-Peak<br/>Transmission Demand Charge:</u> | <u>Daily Rate</u> |                              | <u>KW</u>                 | <u>Daily Rev</u>  | <u>Rev Includ. EDB</u>   |
| 138 kV and Above   | \$ 0.0945         |                              | 66,073 \$                 | 6,433 * 22.00 =   | \$ 141,526               |
| <br>   |                   |                              |                           |                   |                          |
| <u>Daily As-Used On-Peak<br/>Substation Demand Charge:</u>   |                   |                              |                           |                   |                          |
| 138 kV and Above   | \$ -              |                              | 76,608 \$                 | - * 22.00 =       | \$ -                     |
| <br>   |                   |                              |                           |                   |                          |
| <u>Daily As-Used On-Peak<br/>Primary Demand Charge:</u>      |                   |                              |                           |                   |                          |
| 138 kV and Above   | \$ -              |                              | 76,608 \$                 | - * 22.00 =       | \$ -                     |
| <u>Total Summer Daily As-Used Charge</u>                     |                   |                              |                           |                   | \$ 141,526               |
| <u>Summer Standby Revenue After EDB</u>                      |                   |                              |                           |                   | \$ 311,020               |

465

| <u>Winter</u>  | <u>Rate</u>                                     | <u>Bills or<br/>Kilowatt</u> | <u>Revenue Before EDB</u> | <u>Winter</u> | <u>Revenue After EDB</u> |
|--|---|------------------------------|---------------------------|---------------|--------------------------|
| <u>Customer Charge</u>                                       | \$  | 1,268.42                     | 0 \$                      | 10,131        | 1.01375 \$ 10,270        |
| <u>Contract Demand Charge:</u>                               |   |                              |                           |               |                          |
| <u>Transmission</u>  |   |                              |                           |               |                          |
| 138 kV and Above   | \$  | 1.1800                       | 178,555 \$                | 208,335       | 1.01375 \$ 211,200       |
| <u>Substation</u>  |   |                              |                           |               |                          |
| 138 kV and Above   | \$  | 0.3400                       | 178,555 \$                | 80,029        | 1.01375 \$ 80,854        |
| <u>Primary Distribution</u>                                  |   |                              |                           |               |                          |
| 138 kV and Above   | \$  | 0.3200                       | 178,555 \$                | 56,498        | 1.01375 \$ 57,275        |
| <b>Total Winter Contract Charge Rev</b>                      |   |                              |                           |               | \$ 329,329               |
| <br>   |   |                              |                           |               |                          |
| <u>Daily As-Used On-Peak<br/>Transmission Demand Charge:</u> | <u>Daily Rate<br/>Before Adjusted by Factor</u> | <u>KW</u>                    | <u>Daily Rev</u>          |               | <u>Rev Inclu. EDB</u>    |
| 138 kV and Above   | \$ 0.0481                                       | 169,535                      | \$ 8,155                  | + 21.63 =     | \$ 176,393               |
| <br>   |   |                              |                           |               |                          |
| <u>Daily As-Used On-Peak<br/>Substation Demand Charge:</u>   |   |                              |                           |               |                          |
| 138 kV and Above   | \$ -  | 169,535                      | \$ -                      | + 21.63 =     | \$ -                     |
| <br>   |   |                              |                           |               |                          |
| <u>Daily As-Used On-Peak<br/>Primary Demand Charge:</u>      |   |                              |                           |               |                          |
| 138 kV and Above   | \$ -  | 169,535                      | \$ -                      | + 21.63 =     | \$ -                     |
| <b>Total Winter Daily As-Used Charge</b>                     |   |                              |                           |               | \$ 176,393               |
| <br>   |   |                              |                           |               |                          |
| <b>Winter Standby Revenue After EDB</b>                      |   |                              |                           |               | \$ 516,992               |
| <br>   |   |                              |                           |               |                          |
| <b>Total SC12 II Standby Revenue After EDB</b>               |   |                              |                           |               | \$ 827,012               |
| <b>SC12 II Revenue Requirement</b>                           |   |                              |                           |               | \$ 828,288               |
|  |   |                              |                           |               | Variance \$ (1,276)      |
|  |   |                              |                           |               | % Variance -0.15%        |

|              | 138kV & Above Customer |                   |
|--------------|------------------------|-------------------|
|              | Contract               | As-Used           |
| Transmission | \$ 316,609             | \$ 317,919        |
| Substation   | \$ 81,227              | \$ -              |
| Primary      | \$ 85,861              | \$ -              |
| <b>Total</b> | <b>\$ 493,697</b>      | <b>\$ 317,919</b> |

|                     |    |         |
|---------------------|----|---------|
| REVENUE REQUIREMENT | \$ | 495,032 |
| VARIANCE            | \$ | (1,335) |
| % Variance          |    | -0.27%  |

466

**Development of Standby MAC Factor by Month**  
 Applicable to SC13 (PROD.) Customers

|                          | May-02       | Jun-02       | Jul-02       | Aug-02       | Sep-02       | Oct-02       |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>KW (G&amp;T)</b>      |              |              |              |              |              |              |
| SC13                     | 18,788       | 18,276       | 18,451       | 16,787       | 16,559       | 19,680       |
| SC13 NYC MW (80%)        | 18,510       | 18,063       | 14,477       | 14,773       | 14,572       | 17,519       |
| SC13 West NY (12%)       | 2,252        | 2,193        | 1,974        | 2,014        | 1,987        | 2,382        |
| <b>MWh</b>               |              |              |              |              |              |              |
| SC13 On-Peak             | 3,998,855    | 4,320,747    | 4,320,335    | 4,586,134    | 4,312,915    | 4,682,385    |
| SC13 NYC On-Peak (80%)   | 3,518,982    | 3,892,257    | 3,891,888    | 4,044,588    | 3,795,385    | 4,102,889    |
| SC13 West On-Peak (12%)  | 479,863      | 518,490      | 518,446      | 551,536      | 517,530      | 559,498      |
| SC13 Off-Peak            | 6,028,945    | 6,140,053    | 6,370,664    | 6,117,466    | 6,181,085    | 6,403,215    |
| SC13 NYC Off-Peak (80%)  | 4,126,352    | 4,533,247    | 4,726,386    | 5,383,370    | 4,968,155    | 4,754,828    |
| SC13 West Off-Peak (12%) | 603,893      | 616,806      | 644,278      | 734,095      | 622,930      | 648,386      |
| SC13 TOD                 | 9,028,800    | 9,460,800    | 9,691,200    | 10,713,600   | 9,504,000    | 10,085,600   |
| SC13 NYC WWS (80%)       | 7,945,314    | 8,325,504    | 8,528,258    | 9,427,968    | 8,383,320    | 8,857,728    |
| SC13 West WWS (12%)      | 1,063,456    | 1,135,296    | 1,162,942    | 1,285,632    | 1,140,680    | 1,207,872    |
| <b>Bills</b>             |              |              |              |              |              |              |
| SC13                     | 1            | 1            | 1            | 1            | 1            | 1            |
| SC13 NYC MW (80%)        | 1            | 1            | 1            | 1            | 1            | 1            |
| SC13 West NY (12%)       | 0            | 0            | 0            | 0            | 0            | 0            |
| <b>MAC RATE</b>          |              |              |              |              |              |              |
| SC13 Demand              | (0.51000) \$ | (0.39000) \$ | (0.52000) \$ | (0.48000) \$ | (0.08000) \$ | (0.50000) \$ |
| NYC                      | 3.34000 \$   | 3.46000 \$   | 3.33000 \$   | 3.39000 \$   | 3.76000 \$   | 3.35000 \$   |
| Westchester              |              |              |              |              |              |              |
| SC13 Energy              | 0.00160 \$   | 0.00360 \$   | (0.00140) \$ | (0.00140) \$ | 0.00440 \$   | 0.00280 \$   |
| On-Peak                  | 0.00480 \$   | 0.00980 \$   | 0.00280 \$   | 0.00280 \$   | 0.00920 \$   | 0.00610 \$   |
| NYC                      |              |              |              |              |              |              |
| Westchester              |              |              |              |              |              |              |
| Off-Peak                 | 0.00140 \$   | 0.00330 \$   | (0.00090) \$ | (0.00090) \$ | 0.00380 \$   | 0.00240 \$   |
| NYC                      | 0.00360 \$   | 0.00550 \$   | 0.00150 \$   | 0.00130 \$   | 0.00600 \$   | 0.00460 \$   |
| Westchester              |              |              |              |              |              |              |

467

| <b>MAC REVENUE</b>            |            |  |  |  |  |  |  |  |  |
|-------------------------------|------------|--|--|--|--|--|--|--|--|
| <b>NYC</b>                    |            |  |  |  |  |  |  |  |  |
| SC13 Demand                   | \$ (6,272) |  |  |  |  |  |  |  |  |
| on-peak                       | \$ 5,630   |  |  |  |  |  |  |  |  |
| off-peak                      | \$ 6,197   |  |  |  |  |  |  |  |  |
| TOTAL NYC                     | \$ 3,604   |  |  |  |  |  |  |  |  |
| <b>Westchester</b>            |            |  |  |  |  |  |  |  |  |
| SC13 Demand                   | \$ 7,522   |  |  |  |  |  |  |  |  |
| on-peak                       | \$ 2,503   |  |  |  |  |  |  |  |  |
| off-peak                      | \$ 2,173   |  |  |  |  |  |  |  |  |
| TOTAL Westchester             | \$ 11,998  |  |  |  |  |  |  |  |  |
| <b>Transmission</b>           |            |  |  |  |  |  |  |  |  |
| <b>Current Rates</b>          |            |  |  |  |  |  |  |  |  |
| Energy                        | \$ 0.0009  |  |  |  |  |  |  |  |  |
| Demand                        | \$ 1.57    |  |  |  |  |  |  |  |  |
| <b>Revenues</b>               |            |  |  |  |  |  |  |  |  |
| Energy                        | \$ 8,126   |  |  |  |  |  |  |  |  |
| Demand                        | \$ 29,498  |  |  |  |  |  |  |  |  |
| Total                         | \$ 37,622  |  |  |  |  |  |  |  |  |
| <b>Distribution</b>           |            |  |  |  |  |  |  |  |  |
| <b>Current Rates</b>          |            |  |  |  |  |  |  |  |  |
| Energy                        | \$ 0.0041  |  |  |  |  |  |  |  |  |
| Demand                        | \$ 3.45    |  |  |  |  |  |  |  |  |
| Primary                       | \$ -       |  |  |  |  |  |  |  |  |
| Secondary                     | \$ -       |  |  |  |  |  |  |  |  |
| <b>Revenues</b>               |            |  |  |  |  |  |  |  |  |
| Energy                        | \$ 37,018  |  |  |  |  |  |  |  |  |
| Demand                        | \$ 64,750  |  |  |  |  |  |  |  |  |
| Primary                       | \$ -       |  |  |  |  |  |  |  |  |
| Secondary                     | \$ -       |  |  |  |  |  |  |  |  |
| Total                         | \$ 101,768 |  |  |  |  |  |  |  |  |
| <b>Total T&amp;D Revenues</b> |            |  |  |  |  |  |  |  |  |
| NYC (88%)                     | \$ 122,637 |  |  |  |  |  |  |  |  |
| Westchester (12%)             | \$ 18,723  |  |  |  |  |  |  |  |  |
|                               | \$ 141,360 |  |  |  |  |  |  |  |  |
|                               | \$ 149,122 |  |  |  |  |  |  |  |  |
|                               | \$ 131,227 |  |  |  |  |  |  |  |  |
|                               | \$ 17,885  |  |  |  |  |  |  |  |  |

468

| Monthly MAC Markup Factor                                      |  | Based on the Monthly MAC Revenues over Monthly T&D Revenues |             |             |             |             |             |
|--|--|---|-------------|-------------|-------------|-------------|-------------|
|  |  | May-02  | Jun-02      | Jul-02      | Aug-02      | Sep-02      | Oct-02      |
| NYC  |  | 2.7757%   | 8.1372%     | -7.2016%    | -7.5460%    | 14.3366%    | 11.1646%    |
| Westchester  |  | 71.7455%  | 48.1596%    | 27.5217%    | 29.0741%    | 51.2667%    | 79.9609%    |
| SC13 Standby Customer Charge Rev                               |  | 1,339.42 \$   | 1,339.42 \$ | 1,339.42 \$ | 1,339.42 \$ | 1,339.42 \$ | 1,339.42 \$ |
| Standby Customer Charge (HT and LT):                           |  |   |             |             |             |             |             |
| NYC  |  | 37.18 \$  | 122.39 \$   | (86.46) \$  | (101.11) \$ | 192.03 \$   | 149.54 \$   |
| Westchester  |  | 960.97 \$   | 658.46 \$   | 368.63 \$   | 389.42 \$   | 666.72 \$   | 1,071.01 \$ |
| MAC Charge: Monthly Rate (HT and LT)                           |  |   |             |             |             |             |             |
| NYC  |  | 1,266.42 \$   | 1,266.42 \$ | 1,266.42 \$ | 1,266.42 \$ | 1,266.42 \$ | 1,266.42 \$ |
| Westchester  |  | 35.15 \$  | 115.72 \$   | (91.20) \$  | (95.60) \$  | 191.88 \$   | 141.39 \$   |
| Charge: Monthly Rate (138 kV and Above)                        |  |   |             |             |             |             |             |
| NYC  |  | 908.00 \$   | 622.67 \$   | 348.54 \$   | 369.20 \$   | 649.29 \$   | 1,012.64 \$ |
| Westchester  |  |   |             |             |             |             |             |
| SC13 Standby Transmission Contract Charges                     |  |   |             |             |             |             |             |
| For HT (Priority) Customers                                    |  | 1.18 \$   | 1.18 \$     | 1.18 \$     | 1.18 \$     | 1.18 \$     | 1.18 \$     |
| For 138 kV and Above Customers                                 |  |   |             |             |             |             |             |
| NYC  |  | 0.03 \$   | 0.11 \$     | (0.68) \$   | (0.09) \$   | 0.17 \$     | 0.13 \$     |
| Westchester  |  | 0.85 \$   | 0.58 \$     | 0.32 \$     | 0.34 \$     | 0.80 \$     | 0.94 \$     |
| SC13 Standby Substation Contract Charges                       |  |   |             |             |             |             |             |
| For HT (Priority) Customers                                    |  | 1.07 \$   | 1.07 \$     | 1.07 \$     | 1.07 \$     | 1.07 \$     | 1.07 \$     |
| For 138 kV and Above Customers                                 |  | 0.34 \$   | 0.34 \$     | 0.34 \$     | 0.34 \$     | 0.34 \$     | 0.34 \$     |
| Standby Substation Contract Charges: Per MW of Contract Demand |  |   |             |             |             |             |             |
| For HT (Priority) Customers                                    |  | 0.03 \$   | 0.10 \$     | (0.08) \$   | (0.06) \$   | 0.15 \$     | 0.12 \$     |
| For 138 kV and Above Customers                                 |  | 0.77 \$   | 0.53 \$     | 0.29 \$     | 0.31 \$     | 0.55 \$     | 0.86 \$     |
| NYC  |  | 0.01 \$   | 0.03 \$     | (0.02) \$   | (0.03) \$   | 0.05 \$     | 0.04 \$     |
| Westchester  |  | 0.24 \$   | 0.17 \$     | 0.09 \$     | 0.10 \$     | 0.17 \$     | 0.27 \$     |

469

| SC13 Standby Primary Distribution Contract Charges:   |    | May-02 | Jun-02  | Jul-02   | Aug-02   | Sep-02 | Oct-02 |
|---|----|--------|---------|----------|----------|--------|--------|
| For HT (Primary) Customers  | \$ | 4.33   | 4.33    | 4.33     | 4.33     | 4.33   | 4.33   |
| For 150 MW and Above Customers  | \$ | 0.32   | 0.32    | 0.32     | 0.32     | 0.32   | 0.32   |
| Standby Primary Contract MAC Charge: Per MW of Contract Demand  |    |        |         |          |          |        |        |
| For HT (Primary) Customers  |    |        |         |          |          |        |        |
| NYC   | \$ | 0.12   | 0.40    | (0.31)   | (0.33)   | 0.62   | 0.48   |
| Westchester   | \$ | 3.11   | 2.13    | 1.19     | 1.26     | 2.22   | 3.46   |
| For 150 MW and Above Customers  |    |        |         |          |          |        |        |
| NYC   | \$ | 0.01   | 0.03    | (0.02)   | (0.02)   | 0.05   | 0.04   |
| Westchester   | \$ | 0.23   | 0.16    | 0.09     | 0.09     | 0.16   | 0.26   |
| SC14 Standby Transmission As-Used Daily On-Peak Demand Charge: Per MW of Daily Transmission Peak Demand |    |        |         |          |          |        |        |
| Standby Trns. As-Used Daily On-Peak MAC Charge: Per MW of Daily Transmission Peak Demand                |    |        |         |          |          |        |        |
| For HT (Primary) Customers  |    |        |         |          |          |        |        |
| NYC   | \$ | 0.1024 | 0.2073  | 0.2073   | 0.2073   | 0.2073 | 0.1024 |
| Westchester   | \$ | 0.0511 | 0.1038  | 0.1038   | 0.1038   | 0.1038 | 0.0511 |
| For 150 MW and Above Customers  |    |        |         |          |          |        |        |
| NYC   | \$ | 0.0028 | 0.0189  | (0.0149) | (0.0158) | 0.0287 | 0.0114 |
| Westchester   | \$ | 0.0735 | -0.1019 | 0.0571   | 0.0603   | 0.1053 | 0.0819 |
| For 150 MW and Above Customers  |    |        |         |          |          |        |        |
| NYC   | \$ | 0.0014 | 0.0085  | (0.0075) | (0.0078) | 0.0149 | 0.0057 |
| Westchester   | \$ | 0.0367 | 0.0510  | 0.0286   | 0.0302   | 0.0532 | 0.0409 |
| SC15 Standby Substation As-Used Daily On-Peak Demand Charge: Per MW of Daily Distribution Peak Demand   |    |        |         |          |          |        |        |
| Standby Substation As-Used Daily On-Peak Demand Charge: Per MW of Daily Distribution Peak Demand        |    |        |         |          |          |        |        |
| For HT (Primary) Customers  |    |        |         |          |          |        |        |
| NYC   | \$ | 0.0452 | 0.0332  | 0.0332   | 0.0332   | 0.0332 | 0.0452 |
| For 150 MW and Above Customers  |    |        |         |          |          |        |        |
| NYC   | \$ | -      | -       | -        | -        | -      | -      |
| Westchester   | \$ | -      | -       | -        | -        | -      | -      |

470

| Standard Substation As-Used Daily On-Peak MAC Charge: Per kW of Daily Distribution Peak Demand<br>For HT (Primary) Customers |        |                |           |           |           |           |           |           |      |
|--|--------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|------|
|  | NYC \$ | Westchester \$ | 0.0013 \$ | 0.0076 \$ | 0.0063 \$ | 0.0229 \$ | 0.0119 \$ | 0.0350 \$ |      |
|  |        |                | 0.0324 \$ | 0.0409 \$ | 0.0242 \$ | 0.0229 \$ | 0.0427 \$ | 0.0361 \$ |      |
| For 138 kV and Above Customers   |        |                |           |           |           |           |           |           |      |
| NYC \$   | - \$   | - \$           | - \$      | - \$      | - \$      | - \$      | - \$      | - \$      | - \$ |
| Westchester \$   | - \$   | - \$           | - \$      | - \$      | - \$      | - \$      | - \$      | - \$      | - \$ |
| SC13 Standby Primary As-Used Daily On-Peak Demand Charge:  |        |                |           |           |           |           |           |           |      |
| For HT (Primary) Customers<br>For 138 kV and Above Customers   |        |                |           |           |           |           |           |           |      |
|  | NYC \$ | Westchester \$ | 0.0013 \$ | 0.0076 \$ | 0.0063 \$ | 0.0229 \$ | 0.0119 \$ | 0.0350 \$ |      |
|  |        |                | 0.0324 \$ | 0.0409 \$ | 0.0242 \$ | 0.0229 \$ | 0.0427 \$ | 0.0361 \$ |      |
| For 138 kV and Above Customers   |        |                |           |           |           |           |           |           |      |
| NYC \$   | - \$   | - \$           | - \$      | - \$      | - \$      | - \$      | - \$      | - \$      | - \$ |
| Westchester \$   | - \$   | - \$           | - \$      | - \$      | - \$      | - \$      | - \$      | - \$      | - \$ |

471

**SC13 II SERVICE CLASSIFICATION  
STANDBY RATE SUMMARY FOR VARIOUS TYPE OF CUSTOMERS  
MAY - OCTOBER**

| <u>High Tension Customer:</u>  | May-02      | Jun-02      | Jul-02      | Aug-02      | Sep-02      | Oct-02      |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Customer Charge: (Per Bill)</b>   | \$ 1,339.42 | \$ 1,339.42 | \$ 1,339.42 | \$ 1,339.42 | \$ 1,339.42 | \$ 1,339.42 |
| <b>Customer MAC Charge (Per Bill):</b>   |             |             |             |             |             |             |
| NYC  | \$ 37.18    | \$ 122.39   | \$ (98.46)  | \$ (101.11) | \$ 192.03   | \$ 149.54   |
| Westchester  | \$ 960.97   | \$ 658.45   | \$ 368.63   | \$ 389.42   | \$ 686.72   | \$ 1,071.01 |
| <b>Transmission Contract Demand Charge: Per kW of Contract Demand</b>                                  | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        |
| <b>Transmission Contract Demand MAC Charge, Per kW of Contract Demand:</b>                             |             |             |             |             |             |             |
| NYC  | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        |
| Westchester  | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        |
| <b>As Used Daily On-Peak Transmission Demand Charge, Per kW of Daily Transmission Peak Demand:</b>     | \$ 0.1024   | \$ 0.2073   | \$ 0.2073   | \$ 0.2073   | \$ 0.2073   | \$ 0.1024   |
| <b>As Used Daily On-Peak Transmission Demand MAC Charge, Per kW of Daily Transmission Peak Demand:</b> |             |             |             |             |             |             |
| NYC  | \$ 0.0028   | \$ 0.0189   | \$ (0.0149) | \$ (0.0156) | \$ 0.0297   | \$ 0.0114   |
| Westchester  | \$ 0.0735   | \$ 0.1019   | \$ 0.0571   | \$ 0.0603   | \$ 0.1063   | \$ 0.0819   |
| <b>Distribution Contract Demand Charge: Per kW of Contract Demand</b>                                  | \$ 5.40     | \$ 5.40     | \$ 5.40     | \$ 5.40     | \$ 5.40     | \$ 5.40     |
| <b>Distribution Contract Demand MAC Charge, Per kW of Contract Demand:</b>                             |             |             |             |             |             |             |
| NYC  | \$ 0.15     | \$ 0.50     | \$ (0.39)   | \$ (0.41)   | \$ 0.77     | \$ 0.80     |
| Westchester  | \$ 3.88     | \$ 2.66     | \$ 1.48     | \$ 1.57     | \$ 2.77     | \$ 4.32     |
| <b>As Used Daily On-Peak Distribution Demand Charge, Per kW of Daily Distribution Peak Demand:</b>     | \$ 0.0452   | \$ 0.0832   | \$ 0.0832   | \$ 0.0832   | \$ 0.0832   | \$ 0.0452   |
| <b>As Used Daily On-Peak Distribution Demand MAC Charge, Per kW of Daily Distribution Peak Demand:</b> |             |             |             |             |             |             |
| NYC  | \$ 0.0013   | \$ 0.0078   | \$ (0.0060) | \$ (0.0063) | \$ 0.0119   | \$ 0.0050   |
| Westchester  | \$ 0.0324   | \$ 0.0409   | \$ 0.0229   | \$ 0.0242   | \$ 0.0427   | \$ 0.0361   |

