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Input Section 1, SC5 I

1. From Cost of Service Study Data: (Used to allocate per Distribution Revenue) (SC \$) % Total

Minimum Gold \$	12,070	1.4818%
Customer Cost Excl. Minimum Gold \$	86,134	6.7407%
Primary Distribution \$	216,131	82.8719%
Secondary Distribution \$	383,797	38.2083%
	1,152,107	100.0000%

1k. EOB Factor Summer 1.011917
 Winter 1.013150
 Annual 1.013139

2. SC5 Core Transmission Revenues at \$1100 Level Before EOB Revenue and Demand
 (On Separate Piles for EOBs)

	SUMMER	WINTER	ANNUAL
SC5 Core (Demand)	\$	\$	\$
SC5 Core Energy	6,700	11,216	17,916
Total Trans. Demand Rev	5,596	12,480	18,084
Total Trans. Energy Rev	6,700	11,216	17,916
Total	12,296	23,704	36,000
Annual EOB Factor (Applied to Demand Revenues Only)	1.011917	1.013150	

2k. SC5 Transmission Revenues at \$1100 Level After EOB Revenue and Demand

	SUMMER	WINTER	ANNUAL
SC5 Core (Demand)	\$	\$	\$
SC5 Core Energy	20,655	32,784	53,439
Total Dist. Demand Rev	19,052	42,520	61,576
Total Dist. Energy Rev	20,488	32,784	53,280
Total Distribution Rev	39,540	75,304	114,856
EOB Factor (Applied to Demand Rev Only)	1.011917	1.013150	

3. SC5 Distribution Revenues at Current Level Before EOB
 (On Separate Piles)

	SUMMER	WINTER	ANNUAL
Minimum Gold (W/ be allocated to Secondary Dist Charge)	\$	\$	\$
Customer Cost Excl. Minimum Gold	1,481	1,712	3,193
Primary Distribution	5,740	6,533	12,273
Secondary Distribution	216,131	217,25	433,381
Total	223,652	225,499	449,151
EOB Factor (Applied to Demand Rev Only)	1.011917	1.013150	

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

	% Subtotal	% Primary
Minimum Gold	23.01%	23.07%
Customer Cost Excl. Minimum Gold	48.89%	48.04%
Primary Distribution		71.72%
Secondary Distribution		71.72%

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5a. Relationship between the highest required demand recorded by season and the average daily demand by season by using period (Use the table below)

Transmission Distribution	Summer	Winter
	118.32%	122.92%
	114.93%	122.02%

5b. Average Number of Days of which the On-Peak Transmission and Distribution Charges are applied in a summer month:
 Average Number of Days of which the On-Peak Transmission and Distribution Charges are applied in a winter month:

21.69
 21.83

7. Current SCS II Demand Transmission and Distribution Factors: 80%Y

	Summer	Winter	Seasonal Differential
Transmission	\$ 4.23	\$ 2.53	1.70
Rate Design Equation	X + 1.7000	X	
Primary Distribution	\$ 8.78	\$ 4.91	3.87
Rate Design Equation	Y + 3.87	Y	
Secondary Distribution	\$ 8.41	\$ 2.65	5.76
Rate Design Equation	Z + 6.76	Z	

8. Contract and As-Used Rev. Allocation Information Provided by Eliechle Engineering:

Contract	As-Used	Contract	As-Used	Contract	As-Used	Contract	As-Used
Secondary	100%	100%	0%	100%	100%	100%	100%
Primary	50%	50%	0%	50%	50%	50%	50%
Transmission	0%	0%	0%	0%	0%	0%	0%
	0%	0%	0%	0%	0%	0%	0%

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Input Section II

The following information is extracted from the MAC and MAC web 401 web...
(Print Library by web 401)

Month	NYC	Westchester	NYC	Westchester	NYC	Westchester	NYC	Westchester
May-02	\$	\$	\$	\$	\$	\$	\$	\$
Jun-02	\$	\$	\$	\$	\$	\$	\$	\$
Jul-02	\$	\$	\$	\$	\$	\$	\$	\$
Aug-02	\$	\$	\$	\$	\$	\$	\$	\$
Sep-02	\$	\$	\$	\$	\$	\$	\$	\$
Oct-02	\$	\$	\$	\$	\$	\$	\$	\$
NYC								
May-02	\$	\$	\$	\$	\$	\$	\$	\$
Jun-02	\$	\$	\$	\$	\$	\$	\$	\$
Jul-02	\$	\$	\$	\$	\$	\$	\$	\$
Aug-02	\$	\$	\$	\$	\$	\$	\$	\$
Sep-02	\$	\$	\$	\$	\$	\$	\$	\$
Oct-02	\$	\$	\$	\$	\$	\$	\$	\$

SCS Demand MAC
Westchester

4,20000
\$ (0.27900)
\$ 4,90000
\$ 8,00000
\$ (0.87000)
\$ 3,80000
\$ (0.82000)
\$ 3,89008
\$ 0.20000
\$ 4,77608
\$ (0.22000)
\$ 4,55600

SCS Energy MAC

0.00198 \$
0.00539 \$
0.00180 \$
0.00170 \$
0.00720 \$
0.00378 \$

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**SC5 | 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 \$ | Standby Revenue Requirement (Input Section,5):

SECONDARY DISTRIBUTION

Total Standby Secondary Distribution Contract and As-Used Revenue Requirement (After EDB):	\$	37,193
Minimum Grid (Will be allocated to Secondary Contract Distribution Charge)	\$	1,712
Total Secondary Distribution Rev Req Excluding Minimum Grid:	\$	35,481

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%		
\$ 35,481	\$ 35,481	\$ -				
	\$ 1,712					
Total	\$ 37,193					

minimum grid

PRIMARY DISTRIBUTION

Total Standby Primary Distribution Contract and As-Used Revenue Requirement (After EDB):	\$	48,048
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	Annual Contract kW	% Total kW
HT (Primary Customer)	14,311	81.80%
LT (Secondary Customer)	3,228	18.40%
Total kW	17,537	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	81.80%	\$ 39,208
Secondary	18.40%	\$ 8,841
	100.00%	\$ 48,048

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	\$ 8,841			39,208
Total	\$ 4,421	\$ 4,421	\$ 39,208	\$ -

SUBSTATION

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

\$ 23,676

	Annual Contract kW	% Total kW
HT (Primary Customer)	14,311	81.60%
LT (Secondary Customer)	3,226	18.40%
Total kW	17,537	100.00%

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	81.60%	\$ 19,320
Secondary	18.40%	\$ 4,356
	100.00%	\$ 23,676

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

Substation	Secondary		Primary	
	Contract 0%	As-Used 100%	Contract 50%	As-Used 50%
Rev Req.	\$ -	\$ 4,356	\$ 9,660	\$ 9,660
Total	\$ -	\$ 4,356	\$ 9,660	\$ 9,660

TRANSMISSION

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

\$ 36,234

	Annual Contract kW	% Total kW
HT (Primary Customer)	14,311	81.60%
HT (Secondary Customer)	3,226	18.40%
Total kW	17,537	100.00%

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	81.60%	\$ 29,567
Secondary	18.40%	\$ 6,667
	100.00%	\$ 36,234

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

Transmission	Secondary		Primary	
	Contract 0%	As-Used 100%	Contract 0%	As-Used 100%
Rev Req.	\$ -	\$ 6,667	\$ -	\$ 29,567
Total	\$ -	\$ 6,667	\$ -	\$ 29,567

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

	By HT & LT Customers							
	Secondary		Primary		Total		Grand Total	
	Contract	As-Used	Contract	As-Used	Contract	As-Used		
Secondary	\$ 37,193	\$ -			\$ 37,193	\$ -	\$ 37,193	
Primary	\$ 4,421	\$ 4,421	\$ 39,208	\$ -	\$ 43,629	\$ 4,421	\$ 48,050	
Substation	\$ -	\$ 4,358	\$ 9,660	\$ 9,660	\$ 9,660	\$ 14,016	\$ 23,676	
Transmission	\$ -	\$ 6,667	\$ -	\$ 29,567	\$ -	\$ 36,234	\$ 36,234	
Total	\$ 41,614	\$ 15,444	\$ 48,868	\$ 39,227	\$ 90,482	\$ 54,871	\$ 145,153	

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**SC5 Standby Rate Design
Applicable to SC5 Rate | HT and LT Customers**

A. Development of Standby Customer Charge:

	<u>Customer Charge Rev.</u>	<u>Number of Bills</u>	<u>Customer Charge</u>
Including EDB:	6,833		
Annual EDB:	1,013,139		
Excluding EDB:	\$ 6,847	192.0	\$ 34.15

B. Development of Contract Demand Charges, Per kW

	<u>Contract DMD Rev Incl. EDB SDS Contract & Annual Rev Alloc. Sheet</u>	<u>Contract DMD Rev Excl. EDB EDB Factor 1.013139</u>	<u>Contract Demand (kW) Input Section 6 (c)</u>	<u>Contract Dmd Charge \$/kW Contract Demand</u>
<u>Transmission</u>				
Secondary (LT) \$	-	-	3,226 \$	-
Primary (HT) \$	-	-	14,311 \$	-
<u>Substation</u>				
Secondary (LT) \$	-	-	3,226 \$	-
Primary (HT) \$	9,680	9,535	14,311 \$	0.6700
<u>Primary Distribution</u>				
Secondary (LT) \$	4,421	4,354	3,226 \$	1.3500
Primary (HT) \$	38,208	38,700	14,311 \$	2.7000
<u>Secondary Distribution</u>				
Secondary (LT) \$	37,193	36,711	3,226 \$	11.3800

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C. Development of Daily As-Used On-Peak Transmission Demand Charge For HT and LT, \$/KW

As-Used Transmission Demand Revenue Requirement (incl. EDB) for Secondary (LT) Customers:	\$	6,867
As-Used Transmission Demand Revenue Requirement (incl. EDB) for Primary (HT) Customers:	\$	29,567
		<u>36,434</u>

1. **As-Used Transmission Demand Revenue Requirement (incl. EDB) for Secondary (LT) Customers:** \$ 6,867

Calculation of Seasonal Differential in current transmission demand rates to be used in Rate Design Equations:					
	Summer	Winter	Seasonal Differential	Percent As-Used (Share of the Differential)	New Differential Reflecting % As-Used
SC5 II Transmission Demand Rates	\$ 4.23	\$ 2.53	\$ 1.70	100%	\$ 1.70

Rate Design Equation

	Summer	Winter	Demand	
Daily Transmission As-Used Revenue			LT Transmission kW	
			629	* X + 1.70
			1,881	* X

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

\$	6,867 =		629 X +	1,881 X	1,069 *
\$	5,598 =		2,510 X		
	X =	\$	2,2303 Per KW	Winter	
	X + 1.70 =	\$	3,9303 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 =	\$	0.1031 Per KW	Winter
(X + 1.70) / 22.00 =	\$	0.1787 Per KW	Summer

Daily As-Used On Peak Transmission Charge: To be used to bill the LT 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 SC05 will be applied to the above daily rates to maintain revenue neutrality:

	Winter	Summer	Seasonal Factor from SC05 (Input Section 1, 4d)	Daily Rates to be used
	\$	\$	122.02%	\$ 0.1258
			115.32%	\$ 0.2061

SC4 II Proposed Standby Daily As-Used Transmission Charge for Billing the LT customers:

kW	Winter	Summer	Scale Back to Monthly Peak Rates
	\$ 0.1258	\$ 0.2061	\$ 2.23
			\$ 3.93
			\$ 1.70

2. **As-Used Transmission Demand Revenue Requirement (incl. EDB) for Primary (HT) Customers:** \$ 29,567

Calculation of Seasonal Differential in current transmission demand rates to be used in Rate Design Equations:					
	Summer	Winter	Seasonal Differential	Percent As-Used (Share of the Differential)	New Differential Reflecting % As-Used
SC5 II Transmission Demand Rates	\$ 4.23	\$ 2.53	\$ 1.70	100%	\$ 1.70

Rate Design Equation

	Summer	Winter	Demand	
Daily Transmission As-Used Revenue			HT Transmission kW	
			3,094	* X + 1.70
			8,041	* X

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

\$	29,567 =		3,094 X +	8,041 X	5,260 *
\$	24,307 =		11,135 X		
	X =	\$	2,1629 Per KW	Winter	
	X + 1.70 =	\$	3,9629 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 =	\$	0.1009 Per KW	Winter
(X + 1.70) / 22.00 =	\$	0.1785 Per KW	Summer

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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 EGDs will be applied to the above daily rates to maintain revenue neutrality:

			<u>Seasonal Factor from EGDs</u> (Input Section 1, 8d)			<u>Daily Rate to be used</u>
Winter =	\$	0.1009	122.02%	=	\$	0.1231
Summer =	\$	0.1765	115.32%	=	\$	0.2035

EGD's Process Standby Daily As-Used Transmission Charge for Billing the HT customers:

<u>KW</u>				<u>Rate Back to Monthly Peak Rate</u>
Winter	\$	0.1231		\$ 2.18
Summer	\$	0.2035		\$ 3.86
				\$ 1.70

Daily On-Peak As-Used Transmission Rate Summary

		<u>LT</u>		<u>HT</u>
Winter \$	0.1288	\$	0.1231	
Summer \$	0.2061	\$	0.2035	

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

As-Used Substation Demand Revenue Requirement (incl. EDB) for Secondary (LT) Customers:	\$ 4,358
As-Used Substation Demand Revenue Requirement (incl. EDB) for Primary (HT) Customers:	\$ 9,660
	14,016

1. As-Used Substation Demand Revenue Requirement (incl. EDB) for Secondary (LT) Customers: \$ 4,358

Calculation of Seasonal Differential in current Primary Demand Rates to be used in Rate Design Equations:				% Substation 33%	
	Summer	Winter	Seasonal Differential	Substation Share of Diff	New Differential
Current SC5 II Primary Demand Rate \$	8.78	4.91	3.87	1.28	Reflecting % As-Used
				100%	\$ 1.28

Rate Design Equation

		Demand		
		LT KW (in Primary Period)		
Daily Substation As-Used Revenue	Summer	829	Y+	Y+ 1.28
	Winter	1,881	Y	Y

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

\$	4,358 =	829 Y+	805 +
		1,881 Y+	
\$	3,651 =	2,510 Y	
	Y =	\$ 1,4147 Per KW	Winter
Y+ 1.28 =	\$	2,6947 Per KW	Summer

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

Y/21.83 =	\$	0.0654 Per KW	Winter
(Y+1.28)/22.00 =	\$	0.1225 Per KW	Summer

Daily As-Used On Peak Substation Charge: To be used to bill the LT 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 SCOS will be applied to the above daily rates to maintain revenue neutrality:

		Seasonal Factor from SCOS		Daily Rates to be used
		(Input Section 1, 8d)		
Winter =	\$	0.0654 122.02%	=	\$ 0.0798
Summer =	\$	0.1225 114.93%	=	\$ 0.1408

SC5 II Proposed Standby Daily As-Used Substation Charge for Billing the LT customers:

KW		Peak Rate to Monthly Peak Rates
Winter	\$ 0.0798	\$ 1.41
Summer	\$ 0.1408	\$ 2.70
		\$ 1.29

2. As-Used Substation Demand Revenue Requirement (incl. EDB) for HT Customers: \$ 9,660

Calculation of Seasonal Differential in current Primary Demand Rates to be used in Rate Design Equations:				% Substation 33%	
	Summer	Winter	Seasonal Differential	Substation Share of Diff	New Differential
Current SC5 II Primary Demand Rate \$	8.78	4.91	3.87	1.28	Reflecting % As-Used
				50%	\$ 0.64

Rate Design Equation

		Demand		
		HT KW (in Primary Period)		
Daily Substation As-Used Revenue	Summer	3,094	Y+	Y+ 0.64
	Winter	8,041	Y	Y

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

\$	9,660 =	3,094 Y+	1,980 +
		8,041 Y	
\$	7,680 =	11,135 Y	
	Y =	\$ 0.8897 Per KW	Winter
Y+ 0.64 =	\$	1,3297 Per KW	Summer

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

Y/21.83 =	\$	0.0319 Per KW	Winter
(Y+0.64)/22.00 =	\$	0.0804 Per KW	Summer

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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:

		Seasonal Factor from EGOS (Input Section 1, 44)			Daily Rates to be used	
Winter	\$	0.0319	122.02%	=	\$	0.0388
Summer	\$	0.0604	114.93%	=	\$	0.0694

EGOS Proposed Standby Daily As-Used Substation Charge for Billing the HT Customer:

kW				Scale Back to Monthly Peak Rate	
Winter	\$	0.0388		\$	0.64
Summer	\$	0.0694		\$	1.33
				\$	0.64

Daily As-Used		Type of Customer	
Substation Rate Summary	LT (Sec.)	HT (Primary)	
Winter \$	0.0796	\$	0.0388
Summer \$	0.1408	\$	0.0694

F. Development of Daily As-Used On-Peak Primary Demand Charge For HT & LT customers. \$/KW

As-Used Primary Demand Revenue Requirement (incl. EDS) for Secondary (LT) Customers:	\$	4,421
As-Used Primary Demand Revenue Requirement (incl. EDS) for Primary (HT) Customers:	\$	-
		4,421

1. As-Used Primary Demand Revenue Requirement (incl. EDS) for Secondary (LT) Customers: \$ 4,421

Calculation of Seasonal Differential in current Primary demand rates to be used in Rate Design Equations:		% Primary 67%
Current SC5 II Primary Demand Rate \$	Summer 6.78 \$ Winter 4.91 \$	Seasonal Differential 3.87
		Primary Share of Diff. 2.59
		As-Used Share of Diff. 50%
		New Differential Reflecting % As-Used 1.30

Rate Design Equation

		Demand	
		LT KW (in Primary Period)	
Daily Substation As-Used Revenue	Summer	829	Y+ 1.30
	Winter	1,881	Y

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

\$	4.421 =	829 Y+	818 +
		1,881 Y+	
\$	3,803 =	2,510 Y	
	Y =	\$ 1.4385 Per KW	Winter
	Y+ 1.30 =	\$ 2.7385 Per KW	Summer

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

Y/21.83 =	\$ 0.0664 Per KW	Winter
(Y+1.30)/22.00 =	\$ 0.1243 Per KW	Summer

Daily As-Used On Peak Primary Charge: To be used to bill the LT 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 EDS will be applied to the above daily rates to maintain revenue neutrality:

		Seasonal Factor from EDS (input Section I, on)		Daily Rate to be billed
Winter =	\$	0.0664 122.02%	=	\$ 0.0810
Summer =	\$	0.1243 114.83%	=	\$ 0.1429

SC5 II Proposed Standby Daily As-Used Primary Charge to Bill the LT customer:

	KW		Split Back to Monthly Peak Rate
Winter	\$	0.0810	\$ 1.44
Summer	\$	0.1429	\$ 2.74
			\$ 1.30

2. As-Used Primary Demand Revenue Requirement (incl. EDBL for HT Customers): \$ _____

Calculation of Seasonal Differential in current Primary Demand rates to be used in Rate Design Equations:				% Primary 67% Primary Share of DR \$ 2.59 As-Used Share of Diff. 0%	
Current SC&S Primary Demand Rates	Summer	Winter	Seasonal Differential	As-Used Share of Diff.	New Differential Reflecting % As-Used
\$	\$ 6.78	\$ 4.91	\$ 9.67	0%	\$ -

Rate Design Equation		Demand		
Daily Primary As-Used Revenue:	Summer	HT KW (in Primary Period)	3,094	* Y+ 0.00
	Winter		8,041	* Y

Design of As-Used On Peak Primary Charge, Per KW of Matched Peak Demand for HT Customers:

\$	=	3,094	Y+	
\$	=	8,041	Y	
		11,135	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

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 Matched transmission Peak Demand, a seasonal factor from ECDS will be applied to the above daily rates to maintain revenue neutrality:

		Seasonal Factor from ECDS		Daily Rates
		(Input Section 1, 66)		to be used
Winter =	\$	122.02%	=	\$ -
Summer =	\$	114.83%	=	\$ -

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

KW			Scale Back to Monthly Peak Rates
Winter	\$	-	\$ -
Summer	\$	-	\$ -
			\$ -

Daily On Peak As-Used Primary Rate Summary	LT (Sec.)	Type of Customer
Winter \$	0.0810 \$	
Summer \$	0.1428 \$	

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E. Development of Daily As-Used On-Peak Secondary Demand Charge For LT (Secondary) Customers, \$/KW

As Used Secondary Distribution Demand Revenue Requirement Incl. EDB:

\$ -

Calculation of Seasonal Differential in current primary demand rates to be used in Rate Design Equations:				Percent As-Used (Share of the Differential)	New Differential Reflecting % As-Used
	Summer	Winter	Seasonal Differential		
ECOS Secondary Distribution Demand Rate	\$ 6.41	\$ 2.65	\$ 5.76	0.00%	\$ -

Rate Design Equation

Secondary KW billed on Peak

Secondary Distribution As-Used Revenue	Summer	629	* Z + 0.00
	Winter	1,881	* Z

Design of As-Used On Peak Secondary Distribution Charge, Per KW of Monthly Distribution Peak Demand:

Secondary Distribution Related As-Used Revenue Requirement (Before EDB):

\$ -

(Input Section, (B))

\$ - *	629 Z +	
	1,881 Z	
\$ - =	2,510 Z	
Z =	\$ - Per KW	Winter
Z + 0.00 =	\$ - Per KW	Summer

Daily As-Used On Peak Secondary Distribution Charge: If the Daily Distribution Peak Demand equals monthly distribution peak demand:

2/21.63 =	\$ - Per KW	Winter
(Z+0.00) /22.00 =	\$ - Per KW	Summer

Daily As-Used On Peak Secondary Distribution Charge: To be used to bill the LT customers Only:

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

	Season Factor from ECOS (Input Section I, 6d)	Daily Sec. DMD Rate to be used
Winter =	\$ - * 1.2202	\$ -
Summer =	\$ - * 1.1493	\$ -

ECOS II Proposed, Standby Daily As-Used Secondary Distribution Charge for Billing the LT customer:

KW		Scale back to monthly peak rate
Winter	\$ -	\$ -
Summer	\$ -	\$ -
		\$ -

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G. SCS I Standby Rate Priceout:

<u>Summer</u>	<u>Rate</u>	<u>Bills or Kilowatt</u>	<u>Revenue Before EDB</u>	<u>Summer EDB</u>	<u>Revenue After EDB</u>
Customer Charge	\$	34.10	84 \$	2,182	1.011917 \$ 3,268
Contract Demand Charge:					
Transmission					
LT \$	-	-	1,075 \$	-	1.011917 \$ -
HT \$	-	-	4,770 \$	-	1.011917 \$ -
Substation					
LT \$	-	-	1,075 \$	-	1.011917 \$ -
HT \$	0.6700	-	4,770 \$	3,196	1.011917 \$ 3,234
Primary Distribution					
LT \$	1.3500	-	1,075 \$	1,451	1.011917 \$ 1,488
HT \$	2.7000	-	4,770 \$	12,679	1.011917 \$ 13,032
Secondary Distribution					
\$	-	11,3800	1,075 \$	12,234	1.011917 \$ 12,380
Total Summer Contract Charge Rev					\$ 30,114
Daily As-Used On-Peak					
Transmission Demand Charge:		Daily Rate	kW	Daily Rev	Rev After EDB
LT \$	0.1787	-	829 \$	112	* 22.00 = \$ 2,464
HT \$	0.1785	-	3,094 \$	546	* 22.00 = \$ 12,012
			\$	658	* 22.00 = \$ 14,476
Substation Demand Charge:					
LT \$	0.1228	-	829 \$	77	* 22.00 = \$ 1,694
HT \$	0.6604	-	3,094 \$	187	* 22.00 = \$ 4,114
			\$	264	* 22.00 = \$ 5,808
Primary Demand Charge:					
LT \$	0.1240	-	829 \$	78	* 22.00 = \$ 1,716
HT \$	-	-	3,094 \$	-	* 22.00 = \$ -
					\$ 1,716
Secondary Demand Charge:					
LT \$	-	-	829 \$	-	* 22.00 = \$ -
Total Summer Daily As-Used Charge					\$ 22,000
Summer Standby Revenue After EDB					\$ 84,322

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Winter	Rate	Bills or Kilowatt	Revenue Before EDB	Winter	Revenue After EDB
Customer Charge	\$	34.10	120 \$ 4,385	1.01375 \$	4,425
Contract Demand Charge:					
Transmission					
LT \$	-		2,151 \$	1.01375 \$	-
HT \$	-		9,541 \$	1.01375 \$	-
Substation					
LT \$	-		2,151 \$	1.01375 \$	-
HT \$	0.6700		9,541 \$	1.01375 \$	6,480
Primary Distribution					
LT \$	1.3500		2,151 \$	1.01375 \$	2,944
HT \$	2.7000		9,541 \$	1.01375 \$	26,115
Secondary Distribution					
\$	11.3800		2,151 \$	1.01375 \$	24,815
Total Winter Contract Charge Rev					\$ 60,354
Daily As-Used On-Peak					
Transmission Demand Charge:					
	Daily Rate			Daily Rev	Rev Inslu. EDB
LT \$	Before Adjusted by Factor	kW	1,881 \$	184	* 21.63 = \$ 4,186
HT \$	0.1031		8,041 \$	811	* 21.63 = \$ 17,542
Substation Demand Charge:					
LT \$	0.0854		1,881 \$	123	* 21.63 = \$ 2,560
HT \$	0.4918		8,041 \$	257	* 21.63 = \$ 5,569
Primary Demand Charge:					
LT \$	0.0854		1,881 \$	123	* 21.63 = \$ 2,704
HT \$	-		8,041 \$	-	* 21.63 = \$ -
Secondary Demand Charge:					
LT \$	-		1,881 \$	-	* 21.63 = \$ -
Total Winter Daily As-Used Charge					\$ 32,681
Winter Standby Revenue After EDB					\$ 97,440
Total SCF Standby Revenue After EDB					\$ 151,762
SCF Revenue Requirement					\$ 151,785
Variance					\$ (23)
% Variance					-0.02%

Summary of Transmission and Distribution Contract and As-Used Price-Outs

	LT (Secondary) Customer		HT (Primary) Customer		Contract	Total As-Used	Total
	Contract	As-Used	Contract	As-Used			
Secondary	\$ 37,185				\$ 37,185		\$ 37,185
Primary	\$ 4,412	\$ 4,420	\$ 39,147		\$ 43,559	\$ 4,420	\$ 47,979
Substation	\$ -	\$ 4,354	\$ 9,714	\$ 9,873	\$ 9,714	\$ 14,027	\$ 23,741
Transmission	\$ -	\$ 6,880	\$ -	\$ 28,554	\$ -	\$ 35,214	\$ 35,214
Total	\$ 41,607	\$ 15,434	\$ 48,861	\$ 38,227	\$ 90,468	\$ 54,661	\$ 145,129
REVENUE REQUIREMENT	\$ 41,614	\$ 15,444	\$ 48,868	\$ 38,227	\$ 90,482	\$ 54,671	\$ 145,153
VARIANCE	(7)	(10)	(7)	-	(14)	(10)	(24)

Summary of Rates

	LT (Secondary) Customer				HT (Primary) Customer		
	Contract	As-Used		Contract	As-Used		
		Winter	Summer		Winter	Summer	
Secondary	\$ 11.3800	\$ -	\$ -				
Primary	\$ 1.3500	\$ 0.0810	\$ 0.1429	\$ 2.7000	\$ -	\$ -	
Substation	\$ -	\$ 0.0798	\$ 0.1408	\$ 0.6700	\$ 0.0359	\$ 0.0694	
Transmission	\$ -	\$ 0.1256	\$ 0.2061	\$ -	\$ 0.1231	\$ 0.2035	
Total	\$ 12.7300	\$ 0.2866	\$ 0.4898	\$ 3.3700	\$ 0.1620	\$ 0.2729	

Development of Standby MAC Factor by Month
Applicable to SCS I Customers

Billing Determinants	May-02	Jun-02	Jul-02	Aug-02	Sep-02	Oct-02
NY						
SCS	1,240.2	930.8	930.8	930.8	930.8	1,240.2
SCS NYC (85%)	1,091.4	819.1	819.1	819.1	819.1	1,091.4
SCS West. NY (12%)	148.8	111.7	111.7	111.7	111.7	148.8
NY/NJ						
SCS	421,893	378,093	378,093	378,093	378,093	421,893
SCS NYC (85%)	371,239	332,722	332,722	332,722	332,722	371,239
SCS West. NY (12%)	50,654	45,371	45,371	45,371	45,371	50,654
MAC RATE						
Demand						
SCS						
NYC	(0.37000) \$	0.03000 \$	(0.67000) \$	(0.86000) \$	0.20000 \$	(0.22000) \$
WESTCHESTER	4.20000 \$	4.50000 \$	3.90000 \$	3.89000 \$	4.77000 \$	4.35000 \$
Energy						
SCS						
NYC	0.00190 \$	0.00550 \$	(0.00160) \$	(0.00170) \$	0.00720 \$	0.00370 \$
WESTCHESTER	0.00450 \$	0.00830 \$	0.00140 \$	0.00190 \$	0.01040 \$	0.00630 \$

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<u>MAC REVENUE</u>		<u>May-02</u>	<u>Jun-02</u>	<u>Jul-02</u>	<u>Aug-02</u>	<u>Sep-02</u>	<u>Oct-02</u>
NYC							
SCS Demand	\$	(404)	25	(549)	(557)	184	(240)
SCS Energy	\$	705	1,830	(532)	(566)	2,386	1,374
TOTAL NYC	\$	301	1,855	(1,087)	(1,123)	2,570	1,134
Westchester							
SCS Demand	\$	625	514	436	435	533	647
SCS Energy	\$	228	422	64	59	472	319
TOTAL Westchester	\$	853	936	500	494	1,005	966
<u>Transmission Revenue</u>		<u>May-02</u>	<u>Jun-02</u>	<u>Jul-02</u>	<u>Aug-02</u>	<u>Sep-02</u>	<u>Oct-02</u>
Revenues							
SCS Demand	\$	1,402	1,675	1,675	1,675	1,675	1,402
SCS Energy	\$	1,561	1,399	1,399	1,399	1,399	1,561
Total	\$	2,963	3,074	3,074	3,074	3,074	2,963
<u>Distribution</u>		<u>May-02</u>	<u>Jun-02</u>	<u>Jul-02</u>	<u>Aug-02</u>	<u>Sep-02</u>	<u>Oct-02</u>
Revenues							
SCS Demand	\$	4,088	5,124	5,124	5,124	5,124	4,088
SCS Energy	\$	5,315	4,764	4,764	4,764	4,764	5,315
Total	\$	9,413	9,888	9,888	9,888	9,888	9,413
Total T&D Revenues		\$	\$	\$	\$	\$	\$
NYC (85%)	\$	12,370	12,962	12,962	12,962	12,962	12,370
Westchester (12%)	\$	10,891	11,407	11,407	11,407	11,407	10,891
	\$	1,465	1,555	1,555	1,555	1,555	1,485

SCS1 Standby Primary Distribution Contract Charges:		May-02	Jun-02	Jul-02	Aug-02	Sep-02	Oct-02
For LT (Secondary) Customers	\$	1,9500	1,3500	1,3500	1,3500	1,3500	1,3600
For HT (Primary) Customers	\$	2,7000	2,7000	2,7000	2,7000	2,7000	2,7000
Standby Primary Contract MAC Charge: Per KW of Contract Demand							
For LT (Secondary) Customers							
NYC	\$	0.0400	0.2200	(0.1300)	(0.1300)	0.3000	0.1400
Westchester	\$	0.7800	0.8100	0.4300	0.4300	0.8700	0.8800
For HT (Primary) Customers							
NYC	\$	0.0700	0.4400	(0.2800)	(0.2700)	0.6100	0.2800
Westchester	\$	1.5500	1.6300	0.8700	0.8600	1.7500	1.7600
SCS1 Standby Secondary Distribution Contract Charges:							
For LT (Secondary) Customers		May-02	Jun-02	Jul-02	Aug-02	Sep-02	Oct-02
	\$	11,3800	11,3800	11,3800	11,3800	11,3800	11,3800
Standby Secondary Contract MAC Charge: Per KW of Contract Demand							
NYC	\$	0.3100	1.8900	(1.0600)	(1.1200)	2.5500	1.1800
Westchester	\$	6.5400	6.8500	3.6600	3.6200	7.3500	7.4000

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SCS1 Standby Transmission As-Used Daily On-Peak Demand Charge: Per MW of Daily Transmission Peak Demand									
	May-02	Jun-02	Jul-02	Aug-02	Sep-02	Oct-02			
For LT (Secondary) Customers \$	0.1258 \$	0.2081 \$	0.2081 \$	0.2081 \$	0.2081 \$	0.1288 \$			
For HT (Primary) Customers \$	0.1231 \$	0.2035 \$	0.2035 \$	0.2035 \$	0.2035 \$	0.1281 \$			
Standby Transmission As-Used Daily On-Peak Demand Charge: Per MW of Daily Transmission Peak Demand									
For LT (Secondary) Customers									
NYC \$	0.0035 \$	0.0335 \$	(0.0195) \$	(0.0203) \$	0.0483 \$	0.0131			
Westchester \$	0.0723 \$	0.1241 \$	0.0663 \$	0.0655 \$	0.1332 \$	0.0818			
For HT (Primary) Customers									
NYC \$	0.0034 \$	0.0331 \$	(0.0192) \$	(0.0200) \$	0.0457 \$	0.0128			
Westchester \$	0.0707 \$	0.1225 \$	0.0654 \$	0.0646 \$	0.1315 \$	0.0801			
SCS1 Standby Substation As-Used Daily On-Peak Demand Charge: Per MW of Daily Distribution Peak Demand									
	May-02	Jun-02	Jul-02	Aug-02	Sep-02	Oct-02			
For LT (Secondary) Customers \$	0.0789 \$	0.1408 \$	0.1408 \$	0.1408 \$	0.1408 \$	0.0756 \$			
For HT (Primary) Customers \$	0.0309 \$	0.0894 \$	0.0894 \$	0.0894 \$	0.0894 \$	0.0389 \$			

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Standby Substation As-Used Daily On-Peak MAC Charges Per MW of Daily Distribution Peak Demand

For LI (Secondary) Customers										
NYC	\$	0.0022	\$	0.0229	\$	(0.0133)	\$	(0.0139)	\$	0.0063
Westchester	\$	0.0458	\$	0.0848	\$	0.0453	\$	0.0447	\$	0.0519
For HI (Primary) Customers										
NYC	\$	0.0011	\$	0.0113	\$	(0.0066)	\$	(0.0068)	\$	0.0041
Westchester	\$	0.0223	\$	0.0418	\$	0.0223	\$	0.0220	\$	0.0253

SCS Standby Primary As-Used Daily On-Peak Demand Charge

For LI (Secondary) Customers	\$	0.0610	\$	0.1429	\$	0.1429	\$	0.1429	\$	0.0810
For HI (Primary) Customers										

Standby Primary As-Used Daily On-Peak MAC Charges Per MW of Daily Distribution Peak Demand

For LI (Secondary) Customers										
NYC	\$	0.0022	\$	0.0232	\$	(0.0135)	\$	(0.0141)	\$	0.0084
Westchester	\$	0.0465	\$	0.0860	\$	0.0459	\$	0.0454	\$	0.0527
For HI (Primary) Customers										
NYC	\$	-	\$	-	\$	-	\$	-	\$	-
Westchester	\$	-	\$	-	\$	-	\$	-	\$	-

SCS Standby Secondary As-Used Daily On-Peak Demand Charge

For LI (Secondary) Customers	\$	-	\$	-	\$	-	\$	-	\$	-
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Standby Secondary As-Used Daily On-Peak MAC Charges Per MW of Daily Distribution Peak Demand

For LI (Secondary) Customers										
NYC	\$	-	\$	-	\$	-	\$	-	\$	-
Westchester	\$	-	\$	-	\$	-	\$	-	\$	-

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**SCS I SERVICE CLASSIFICATION
STANDBY RATE SUMMARY FOR VARIOUS TYPE OF CUSTOMERS
MAY - OCTOBER**

<u>Low Tension Customer:</u>	May-02	Jun-02	Jul-02	Aug-02	Sep-02	Oct-02
<u>Customer Charge (Per Bill)</u> \$	34.10 \$	34.10 \$	34.10 \$	34.10 \$	34.10 \$	34.10
<u>Customer MAC Charge (Per Bill):</u>						
NYC \$	0.94 \$	5.55 \$	(3.23) \$	(3.38) \$	7.65 \$	3.56
Westchester \$	19.69 \$	20.53 \$	10.96 \$	10.83 \$	22.04 \$	22.18
<u>Transmission Contract Demand Charge: Per kW of Contract Demand</u>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<u>Transmission Contract Demand MAC Charge: Per kW of Contract Demand:</u>						
NYC \$	- \$	- \$	- \$	- \$	- \$	-
Westchester \$	- \$	- \$	- \$	- \$	- \$	-
<u>As Used Daily On-Peak Transmission Demand Charge: Per kW of Daily Transmission Peak Demand:</u>	\$ 0.1258	\$ 0.2061	\$ 0.2061	\$ 0.2061	\$ 0.2061	\$ 0.1258
<u>As Used Daily On-Peak Transmission Demand MAC Charge: Per kW of Daily Transmission Peak Demand:</u>						
NYC \$	0.0035	0.0336	(0.0195)	(0.0203)	0.0483	0.0131
Westchester \$	0.0723	0.1241	0.0663	0.0655	0.1332	0.0818
<u>Distribution Contract Demand Charge: Per kW of Contract Demand</u>	\$ 12.7300	\$ 12.7300	\$ 12.7300	\$ 12.7300	\$ 12.7300	\$ 12.7300
<u>Distribution Contract Demand MAC Charge: Per kW of Contract Demand:</u>						
NYC \$	0.3500	2.0700	(1.2100)	(1.2500)	2.8500	1.3200
Westchester \$	7.3200	7.6600	4.0900	4.0500	8.2200	8.2800
<u>As Used Daily On-Peak Distribution Demand Charge: Per kW of Daily Distribution Peak Demand:</u>	\$ 0.1608	\$ 0.2837	\$ 0.2837	\$ 0.2837	\$ 0.2837	\$ 0.1608
<u>As Used Daily On-Peak Distribution Demand MAC Charge: Per kW of Daily Distribution Peak Demand:</u>						
NYC \$	0.0044	0.0461	(0.0268)	(0.0280)	0.0637	0.0167
Westchester \$	0.0923	0.1708	0.0912	0.0901	0.1834	0.1046

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**SC5 | 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
<u>Customer Charge: (Per Bill)</u> \$	34.10 \$	34.10 \$	34.10 \$	34.10 \$	34.10 \$	34.10
<u>Customer MAC Charge (Per Bill):</u>						
NYC \$	0.94 \$	5.55 \$	(3.23) \$	(3.36) \$	7.65 \$	3.55
Westchester \$	19.59 \$	20.53 \$	10.96 \$	10.83 \$	22.04 \$	22.18
<u>Transmission Contract Demand Charge: Per kW of Contract Demand</u>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<u>Transmission Contract Demand MAC Charge, Per kW of Contract Demand:</u>						
NYC \$	- \$	- \$	- \$	- \$	- \$	-
Westchester \$	- \$	- \$	- \$	- \$	- \$	-
<u>As Used Daily On-Peak Transmission Demand Charge, Per kW of Daily Transmission Peak Demand:</u>	\$ 0.1231	\$ 0.2035	\$ 0.2035	\$ 0.2035	\$ 0.2035	\$ 0.1231
<u>As Used Daily On-Peak Transmission Demand MAC Charge, Per kW of Daily Transmission Peak Demand:</u>						
NYC \$	0.0054 \$	0.0331 \$	(0.0193) \$	(0.0200) \$	0.0457 \$	0.0128
Westchester \$	0.0707 \$	0.1225 \$	0.0654 \$	0.0646 \$	0.1315 \$	0.0801
<u>Distribution Contract Demand Charge: Per kW of Contract Demand</u>	\$ 3.3700	\$ 3.3700	\$ 3.3700	\$ 3.3700	\$ 3.3700	\$ 3.3700
<u>Distribution Contract Demand MAC Charge, Per kW of Contract Demand:</u>						
NYC \$	0.0900 \$	0.5500 \$	(0.3200) \$	(0.3400) \$	0.7800 \$	0.3500
Westchester \$	1.9300 \$	2.0300 \$	1.0900 \$	1.0700 \$	2.1800 \$	2.2000
<u>As Used Daily On-Peak Distribution Demand Charge, Per kW of Daily Distribution Peak Demand:</u>	\$ 0.0389	\$ 0.0694	\$ 0.0694	\$ 0.0694	\$ 0.0694	\$ 0.0389
<u>As Used Daily On-Peak Distribution Demand MAC Charge, Per kW of Daily Distribution Peak Demand:</u>						
NYC \$	0.0011 \$	0.0113 \$	(0.0066) \$	(0.0066) \$	0.0156 \$	0.0041
Westchester \$	0.0223 \$	0.0418 \$	0.0223 \$	0.0220 \$	0.0449 \$	0.0253