B

VERIZON - NEW YORK

COLLOCATION DC POWER COST STUDY
TO SUPPORT THE APRIL 11, 2001 FCC FILING
TRANSMITTAL NO. 1373
F.C.C. NO. 11

REDACTED VERSION

DC POWER - MONTHLY RATE
NEW YORK AND CONNECTICUT
Tariff F.C.C. No. 11
Transmittal No. 1373, Workpaper 1-1

Line	Description	Source	Total
1	Unit Investment	Cost Study	$888.05
2	Depreciation	Cost Study	$50.03
3	Cost of Capital	Cost Study	$53.80
4	Income Tax	Cost Study	$21.78
5	Other Tax	Cost Study	$6.50
6	Maintenance	Cost Study	$65.73
7	Administration	Cost Study	$32.33
8	Annual Direct Cost	Sum Lines 2-7	$230.17
9	Monthly Cost	Line 8/12	$19.18
10	Overhead Loading Factor	Commission Prescribed	1.32
11	Monthly Rate	Line 9 * Line 10	**$25.32**
12	Direct Cost to Rate	Line 9/ Line 11	0.76

Demand, Costs and Rates
Tariff F.C.C. No. 11
Transmittal No. 1373, Workpaper 1-3

	DEMAND (A)	COST (B)	RATE (C)	ANNUAL COSTS (D=A*B)	ANNUAL REVENUES (E=A*C)
DC Power per amp per feed - Monthly Charge - (NY/CT)					
Physical	45000	$ 19.18	$ 25.32	$ 863,100.00	$ 1,139,400.00
Virtual	480	$ 19.18	$ 25.32	$ 9,206.40	$ 12,153.60
DC Power per amp per feed - Monthly Charge - (All other states)					
Physical	35000	$ 16.41	$ 16.41	$ 574,350.00	$ 574,350.00
Virtual	360	$ 16.41	$ 16.41	$ 5,907.60	$ 5,907.60

TOTAL								$ 1,452,564.00	$ 1,731,811.20

REDACTED DATA - TAB 1:

Collocation Power FCC Cost Study Audit Trail: Explains where the prices (which are proprietary) can be found.

PHYSICAL COLLOCATION
Bell Atlantic - New York
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DC POWER - COST SUMMARY

LINE NO.	A ITEM	B SOURCE	C MONTHLY RECURRING
	DC POWER PER AMP		
1	LESS THAN OR EQUAL TO 60 AMPS	WP 1.0, PG 2, LN 11F	$25.34
2	GREATER THAN 60 AMPS	WP 1.1, PG 2, LN 11F	$25.24

PHYSICAL COLLOCATION
BELL ATLANTIC - NEW YORK
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DC POWER - LESS THAN OR EQUAL TO 60 AMPS

	A	B	C	D	E	F
	ITEM	SOURCE	LAND	BLDG	SWITCH EQPT.	TOTAL INVEST
1	TOTAL DC POWER PLANT UNIT INVESTMENT	WP 2.0, LINE 8	-	-	$262.90	$262.90
2	EF&I FACTOR - FRC 377C	WP 4.0, LINE 24	-	-	2.7852	2.7852
3	INSTALLED INVESTMENT	LINE 1 x LINE 2	-	-	$732.24	$732.24
4	UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5	TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	$732.24	$732.24
6	LAND INVESTMENT FACTOR	WP 4.0, LINE 22	0.0000	-	-	0.0000
7	BUILDING INVESTMENT FACTOR	WP 4.0, LINE 23	-	0.2140	-	0.2140
8	LAND INVESTMENT	LINE 5E x LINE 6C	$0.00		-	$0.00
9	BUILDING INVESTMENT	LINE 5E x LINE 7D	-	$156.70	-	$156.70
10	TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	$0.00	$156.70	$732.24	$888.94

PHYSICAL COLLOCATION
BELL ATLANTIC - NEW YORK
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DC POWER - LESS THAN OR EQUAL TO 60 AMPS

	A	B	C	D	E	F
	ITEM	SOURCE	LAND	BLDG	SWITCH EQPT.	TOTAL INVEST
1	TOTAL UNIT INVESTMENT	WP 1.0, LINE 10	$0.00	$156.70	$732.24	$888.94
2	DEPRECIATION	LINE 1 X WP 4.0 - ACF FACTOR	$0.00	$3.51	$46.57	$50.08
3	COST OF CAPITAL	LINE 1 X WP 4.0 - ACF FACTOR	$0.00	$13.35	$40.50	$53.85
4	INCOME TAX	LINE 1 X WP 4.0 - ACF FACTOR	$0.00	$5.39	$16.41	$21.80
5	OTHER TAXES	LINE 1 X WP 4.0 - ACF FACTOR	$0.00	$4.97	$1.54	$6.51
6	MAINTENANCE	LINE 1 X WP 4.0 - ACF FACTOR	$0.00	$4.22	$61.58	$65.80
7	ADMINISTRATION	LINE 1 X WP 4.0 - ACF FACTOR	$0.00	$5.70	$26.65	$32.36
8	ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	$0.00	$37.14	$193.25	$230.39
9	MONTHLY COST	LINE 8 / 12	$0.00	$3.09	$16.10	$19.20
10	OVERHEAD LOADING FACTOR	WP 4.0, PG 1, LINE 25	1.3200	1.3200	1.3200	1.3200
11	MONTHLY RATE	LINE 9 x LINE 10	$0.00	$4.09	$21.26	$25.34
12	DIRECT COST TO RATE	LINE 9 / LINE 11	0.0000	0.7576	0.7576	0.7576

PHYSICAL COLLOCATION
BELL ATLANTIC - NEW YORK
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DC POWER - GREATER THAN 60 AMPS

	A	B	C	D	E	F
	ITEM	SOURCE	LAND	BLDG	SWITCH EQPT.	TOTAL INVEST
1	TOTAL DC POWER PLANT UNIT INVESTMENT	WP 2.1, LINE 8	-	-	$261.85	$261.85
2	EF&I FACTOR - FRC 377C	WP 4.0, LINE 24	-	-	2.7852	2.7852
3	INSTALLED INVESTMENT	LINE 1 x LINE 2	-	-	$729.32	$729.32
4	UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5	TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	$729.32	$729.32
6	LAND INVESTMENT FACTOR	WP 4.0, LINE 22	0.0000	-	-	0.0000
7	BUILDING INVESTMENT FACTOR	WP 4.0, LINE 23	-	0.2140	-	0.2140
8	LAND INVESTMENT	LINE 5E x LINE 6C	$0.00		-	$0.00
9	BUILDING INVESTMENT	LINE 5E x LINE 7D	-	$156.07	-	$156.07
10	TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	$0.00	$156.07	$729.32	$885.39

PHYSICAL COLLOCATION
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DC POWER - GREATER THAN 60 AMPS

	A	B	C	D	E	F
	ITEM	SOURCE	LAND	BLDG	SWITCH EQPT.	TOTAL INVEST
1	TOTAL UNIT INVESTMENT	WP 1.1, LINE 10	$0.00	$156.07	$729.32	$885.39
2	DEPRECIATION	LINE 1 X WP 4.0 - ACF FACTOR	$0.00	$3.50	$46.38	$49.88
3	COST OF CAPITAL	LINE 1 X WP 4.0 - ACF FACTOR	$0.00	$13.30	$40.34	$53.64
4	INCOME TAX	LINE 1 X WP 4.0 - ACF FACTOR	$0.00	$5.37	$16.34	$21.71
5	OTHER TAXES	LINE 1 X WP 4.0 - ACF FACTOR	$0.00	$4.95	$1.53	$6.48
6	MAINTENANCE	LINE 1 X WP 4.0 - ACF FACTOR	$0.00	$4.20	$61.34	$65.53
7	ADMINISTRATION	LINE 1 X WP 4.0 - ACF FACTOR	$0.00	$5.68	$26.55	$32.23
8	ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	$0.00	$36.99	$192.48	$229.47
9	MONTHLY COST	LINE 8 / 12	$0.00	$3.08	$16.04	$19.12
10	OVERHEAD LOADING FACTOR	WP 4.0, PG 1, LINE 25	1.3200	1.3200	1.3200	1.3200
11	MONTHLY RATE	LINE 9 x LINE 10	$0.00	$4.07	$21.17	$25.24
12	DIRECT COST TO RATE	LINE 9 / LINE 11	0.0000	0.7576	0.7576	0.7576

PHYSICAL COLLOCATION
Bell Atlantic - New York
FCC NO. 11

DC POWER COST DEVELOPMENT - LESS THAN OR EQUAL TO 60 AMPs

	(A)	(B)	(C)
LINE NO.	ITEM	SOURCE	DATA
1	MICROPROCESSOR PLANT (BUSS BAR)	WP 3.0, LINE 5C	$6.28
2	RECTIFIERS	WP 3.0, LINE 14C	$34.89
3	BATTERIES	WP 3.0, LINE 21C	$46.91
4	AUTOMATIC BREAKERS	WP 3.0, LINE 26C	$36.43
5	POWER DISTRIBUTION SERVICE CABINET	WP 3.0, LINE 31C	$7.64
6	EMERGENCY ENGINE/TURBINE (AUTO START)	WP 3.0, LINE 40C	$120.50
7	BATTERY DISTRIBUTION FUSE BAY	WP 3.0, LINE 45C	$10.25
8	TOTAL DC POWER PLANT UNIT INVESTMENT	SUM (LINE 1 THRU LINE 7)	**$262.90**

PHYSICAL COLLOCATION
Bell Atlantic - New York
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DC POWER - GREATER THAN 60 AMPS

	(A)	(B)	(C)
LINE NO.	ITEM	SOURCE	DATA
1	MICROPROCESSOR PLANT (BUSS BAR)	WP 3.1, LINE 5C	$6.28
2	RECTIFIERS	WP 3.1, LINE 14C	$34.89
3	BATTERIES	WP 3.1, LINE 21C	$46.91
4	AUTOMATIC BREAKERS	WP 3.1, LINE 26C	$36.43
5	POWER DISTRIBUTION SERVICE CABINET	WP 3.1, LINE 31C	$7.64
6	EMERGENCY ENGINE/TURBINE (AUTO START)	WP 3.1, LINE 40C	$120.50
7	POWER PLANT DISTRIBUTION BAY	WP 3.1, LINE 45C	$9.20
8	TOTAL DC POWER PLANT UNIT INVESTMENT	SUM (LINE 1 THRU LINE 7)	**$261.85**

PHYSICAL COLLOCATION
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DC POWER COST DEVELOPMENT - LESS THAN OR EQUAL TO 60 AMPs

LINE NO.	(B) ITEM	(C) SOURCE	(D) MAJOR CITIES	(E) HIGH RISE MAJOR CITIES	(F) URBAN	(G) SUBURBAN	(H) RURAL
	Microprocessor Plant (BUSS BAR)						
1	AMP	Engineering	5,000	6,000	2,600	2,600	600
2	Material	Engineering	$22,800	$48,000	$17,500	$11,500	$10,000
3	Unit Investment Per AMP	(L2 / L1)	$4.56	$8.00	$6.73	$4.42	$16.67
4	Statewide Weighting	Service Costs	0.5574	0.1359	0.1243	0.0998	0.0826
5	**Statewide Unit Investment Per AMP Sum (L5D thru L5H)**	**$6.28**	**$2.54**	**$1.09**	**$0.84**	**$0.44**	**$1.38**
	Rectifiers						
6	Quantity	Engineering	6	6	6	6	7
7	AMPS per unit	Engineering	400	400	200	200	50
8	Tot. AMPS	(L6 * L7)	2,400	2,400	1,200	1,200	350
9	Utilization	(L6-1) / L6)	83.33%	83.33%	83.33%	83.33%	85.71%
10	Material	Engineering	$51,900	$51,900	$35,500	$35,500	$32,500
11	Total Investment	(L10 / L9)	$62,280	$62,280	$42,600	$42,600	$37,917
12	Unit Investment Per AMP	(L11 / L8)	$25.95	$25.95	$35.50	$35.50	$108.33
13	Statewide Weighting	Service Costs	0.5574	0.1359	0.1243	0.0998	0.0826
14	**Statewide Unit Investment Per AMP Sum (L14D thru L14H)**	**$34.89**	**$14.46**	**$3.53**	**$4.41**	**$3.54**	**$8.94**
	Batteries						
15	Strings	Engineering	3	4	3	3	2
16	AMPs per String	Engineering	688	688	310	310	310
17	Tot. AMPS	(L15 * L16)	2,064	2,752	930	930	620
18	Total Investment	Engineering	$98,500	$130,000	$40,500	$40,500	$31,000
19	Unit Investment Per AMP	(L18 / L17)	$47.72	$47.24	$43.55	$43.55	$50.00
20	Statewide Weighting	Service Costs	0.5574	0.1359	0.1243	0.0998	0.0826
21	**Statewide Unit Investment Per AMP Sum (L21D thru L21H)**	**$46.91**	**$26.60**	**$6.42**	**$5.41**	**$4.35**	**$4.13**
	Automatic Breaker						
22	AMP per Breaker	Engineering	1,600	3,200	1,200	800	400
23	Total Investment	Engineering	$50,000	$150,000	$40,000	$35,000	$20,000
24	Unit Investment Per AMP	(L23 / L22)	$31.25	$46.88	$33.33	$43.75	$50.00
25	Statewide Weighting	Service Costs	0.5574	0.1359	0.1243	0.0998	0.0826
26	**Statewide Unit Investment Per AMP Sum (L26D thru L26H)**	**$36.43**	**$17.42**	**$6.37**	**$4.14**	**$4.37**	**$4.13**
	Power Distribution Service Cabinet						
27	Amps	Engineering	800	3,200	800	400	400
28	Material	Engineering	$7,000	$16,000	$4,000	$3,700	$2,600
29	Unit Investment Per AMP	(L28 / L27)	$8.75	$5.00	$5.00	$9.25	$6.50
30	Statewide Weighting	Service Costs	0.5574	0.1359	0.1243	0.0998	0.0826
31	**Statewide Unit Investment Per AMP Sum (L31D thru L31H)**	**$7.64**	**$4.88**	**$0.68**	**$0.62**	**$0.92**	**$0.54**
	Emergency engine/turbine (auto start)						
32	AMP Capacity	Engineering	2,083	2,083	1,216	868	278
33	Utilization	Engineering	70%	70%	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	1,458	1,458	851	608	195
35	Emerg. Engine Invest.	Engineering	$125,000	$125,000	$38,200	$33,500	$21,000
36	Conduit/Emer Lights	Engineering	$35,000	$115,000	$30,000	$25,000	$20,000
37	Total Investment	(L35 + L36)	$160,000	$240,000	$68,200	$58,500	$41,000
38	Unit Investment Per AMP	(L37 / L34)	$109.73	$164.60	$80.12	$96.28	$210.69
39	Statewide Weighting	Service Costs	0.5574	0.1359	0.1243	0.0998	0.0826
40	**Statewide Unit Investment Per AMP Sum (L40D thru L40H)**	**$120.50**	**$61.16**	**$22.38**	**$9.96**	**$9.61**	**$17.40**
	Battery Distribution Fuse Bay						
41	AMP Capacity	Engineering	800	800	800	800	800
42	Material	Engineering	$8,200	$8,200	$8,200	$8,200	$8,200
43	Unit Investment Per AMP	(L42 / L41)	$10.25	$10.25	$10.25	$10.25	$10.25
44	Statewide Weighting	Service Costs	0.5574	0.1359	0.1243	0.0998	0.0826
45	**Statewide Unit Investment Per AMP Sum (L45D thru L45H)**	**$10.25**	**$5.71**	**$1.39**	**$1.27**	**$1.02**	**$0.85**
46	**Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines (5C+14C+21C+26C+31C+40C+45C)**	**$262.90**					

PHYSICAL COLLOCATION
Bell Atlantic - New York
FCC NO. 11

DC POWER - GREATER THAN 60 AMPS

LINE NO.	(B) ITEM	(C) SOURCE	(D) MAJOR CITIES	(E) HIGH RISE MAJOR CITIES	(F) URBAN	(G) SUBURBAN	(H) RURAL
	Microprocessor Plant (BUSS BAR)						
1	AMP	Engineering	5,000	6,000	2,600	2,600	600
2	Material	Engineering	$22,800	$48,000	$17,500	$11,500	$10,000
3	Unit Investment Per AMP	(L2 / L1)	$4.56	$8.00	$6.73	$4.42	$16.67
4	Statewide Weighting	Service Costs	0.5574	0.1359	0.1243	0.0998	0.0826
5	**Statewide Unit Investment Per AMP Sum (L5D thru L5H)**	$6.28	$2.54	$1.09	$0.84	$0.44	$1.38
	Rectifiers						
6	Quantity	Engineering	6	6	6	6	7
7	AMPS per unit	Engineering	400	400	200	200	50
8	Tot. AMPS	(L6 * L7)	2,400	2,400	1,200	1,200	350
9	Utilization	(L6-1) / L6)	83.33%	83.33%	83.33%	83.33%	85.71%
10	Material	Engineering	$51,900	$51,900	$35,500	$35,500	$32,500
11	Total Investment	(L10 / L9)	$62,280	$62,280	$42,600	$42,600	$37,917
12	Unit Investment Per AMP	(L11 / L8)	$25.95	$25.95	$35.50	$35.50	$108.33
13	Statewide Weighting	Service Costs	0.5574	0.1359	0.1243	0.0998	0.0826
14	**Statewide Unit Investment Per AMP Sum (L14D thru L14H)**	$34.89	$14.46	$3.53	$4.41	$3.54	$8.94
	Batteries						
15	Strings	Engineering	3	4	3	3	2
16	AMPs per String	Engineering	688	688	310	310	310
17	Tot. AMPS	(L15 * L16)	2,064	2,752	930	930	620
18	Total Investment	Engineering	$98,500	$130,000	$40,500	$40,500	$31,000
19	Unit Investment Per AMP	(L18 / L17)	$47.72	$47.24	$43.55	$43.55	$50.00
20	Statewide Weighting	Service Costs	0.5574	0.1359	0.1243	0.0998	0.0826
21	**Statewide Unit Investment Per AMP Sum (L21D thru L21H)**	$46.91	$26.60	$6.42	$5.41	$4.35	$4.13
	Automatic Breaker						
22	AMP per Breaker	Engineering	1,600	3,200	1,200	800	400
23	Total Investment	Engineering	$50,000	$150,000	$40,000	$35,000	$20,000
24	Unit Investment Per AMP	(L23 / L22)	$31.25	$46.88	$33.33	$43.75	$50.00
25	Statewide Weighting	Service Costs	0.5574	0.1359	0.1243	0.0998	0.0826
26	**Statewide Unit Investment Per AMP Sum (L26D thru L26H)**	$36.43	$17.42	$6.37	$4.14	$4.37	$4.13
	Power Distribution Service Cabinet						
27	Amps	Engineering	800	3,200	800	400	400
28	Material	Engineering	$7,000	$16,000	$4,000	$3,700	$2,600
29	Unit Investment Per AMP	(L28 / L27)	$8.75	$5.00	$5.00	$9.25	$6.50
30	Statewide Weighting	Service Costs	0.5574	0.1359	0.1243	0.0998	0.0826
31	**Statewide Unit Investment Per AMP Sum (L31D thru L31H)**	$7.64	$4.88	$0.68	$0.62	$0.92	$0.54
	Emergency engine/turbine (auto start)						
32	AMP Capacity	Engineering	2,083	2,083	1,216	868	278
33	Utilization	Engineering	70%	70%	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	1,458	1,458	851	608	195
35	Emerg. Engine Invest.	Engineering	$125,000	$125,000	$38,200	$33,500	$21,000
36	Conduit/Emer Lights	Engineering	$35,000	$115,000	$30,000	$25,000	$20,000
37	Total Investment	(L35 + L36)	$160,000	$240,000	$68,200	$58,500	$41,000
38	Unit Investment Per AMP	(L37 / L34)	$109.73	$164.60	$80.12	$96.28	$210.69
39	Statewide Weighting	Service Costs	0.5574	0.1359	0.1243	0.0998	0.0826
40	**Statewide Unit Investment Per AMP Sum (L40D thru L40H)**	$120.50	$61.16	$22.38	$9.96	$9.61	$17.40
	Power Plant Distribution Bay						
41	AMP Capacity	Engineering	2,600	2,600	1,200	1,200	300
42	Material	Engineering	$20,000	$22,000	$15,000	$10,000	$5,000
43	Unit Investment Per AMP	(L42 / L41)	$7.69	$8.46	$12.50	$8.33	$16.67
44	Statewide Weighting	Service Costs	0.5574	0.1359	0.1243	0.0998	0.0826
45	**Statewide Unit Investment Per AMP Sum (L45D thru L45H)**	$9.20	$4.29	$1.15	$1.55	$0.83	$1.38
	Total Unit Investment - (Greater than 60 AMPs) -Sum Lines						
46	(5C+14C+21C+26C+31C+40C+45C)	$261.85					

PHYSICAL COLLOCATION
Bell Atlantic - New York
FCC NO. 11

FACTORS

Line No.	(A) Factor Item	(B) Source	(C) FCC DATA
	ANNUAL COST FACTOR		
	- Digital Switch - Power (2212.00)		
1	DEPRECIATION	SERVICE COSTS	0.0636
2	COST OF MONEY	SERVICE COSTS	0.0553
3	INCOME TAX	SERVICE COSTS	0.0224
4	OTHER TAX	SERVICE COSTS	0.0021
5	MAINTENANCE	SERVICE COSTS	0.0841
6	ADMINISTRATION	SERVICE COSTS	0.0364
7	**TOTAL- Digital Switch ACF**	SUM (LINES 1 THRU LINE 6)	**0.2639**
	- Land		
8	DEPRECIATION	SERVICE COSTS	0.0000
9	COST OF MONEY	SERVICE COSTS	0.1145
10	INCOME TAX	SERVICE COSTS	0.0463
11	OTHER TAX	SERVICE COSTS	0.0317
12	MAINTENANCE	SERVICE COSTS	0.0269
13	ADMINISTRATION	SERVICE COSTS	0.0364
14	**TOTAL- Land ACF**	SUM (LINES 8 THRU LINE 13)	**0.2558**
	- Building		
15	DEPRECIATION	SERVICE COSTS	0.0224
16	COST OF MONEY	SERVICE COSTS	0.0852
17	INCOME TAX	SERVICE COSTS	0.0344
18	OTHER TAX	SERVICE COSTS	0.0317
19	MAINTENANCE	SERVICE COSTS	0.0269
20	ADMINISTRATION	SERVICE COSTS	0.0364
21	**TOTAL- Building ACF**	SUM (LINES 15 THRU LINE 20)	**0.2370**
	OTHER FACTORS:		
22	LAND INVESTMENT FACTOR	SERVICE COSTS	**0.0000**
23	BUILDING INVESTMENT FACTOR	SERVICE COSTS	**0.2140**
24	EF&I FACTOR - FRC 377C (DC POWER)	SERVICE COSTS	**2.7852**
25	DC POWER - OVERHEAD LOADING FACTOR	COMMISSION PRESCRIBED	**1.3200**

REDACTED DATA - TAB 3:

Entire tab: Vendor prices and all other data that supports the material investment development.

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PHYSICAL COLLOCATION
Bell Atlantic - New York
FCC NO. 11

FACTORS

Line No.	(A) Factor Item	(B) Source	(C) FCC DATA
	ANNUAL COST FACTOR		
	- Digital Switch - Power (2212.00)		
1	DEPRECIATION	SERVICE COSTS	0.0636
2	COST OF MONEY	SERVICE COSTS	0.0553
3	INCOME TAX	SERVICE COSTS	0.0224
4	OTHER TAX	SERVICE COSTS	0.0021
5	MAINTENANCE	SERVICE COSTS	0.0841
6	ADMINISTRATION	SERVICE COSTS	0.0364
7	**TOTAL- Digital Switch ACF**	SUM (LINES 1 THRU LINE 6)	**0.2639**
	- Land		
8	DEPRECIATION	SERVICE COSTS	0.0000
9	COST OF MONEY	SERVICE COSTS	0.1145
10	INCOME TAX	SERVICE COSTS	0.0463
11	OTHER TAX	SERVICE COSTS	0.0317
12	MAINTENANCE	SERVICE COSTS	0.0269
13	ADMINISTRATION	SERVICE COSTS	0.0364
14	**TOTAL- Land ACF**	SUM (LINES 8 THRU LINE 13)	**0.2558**
	- Building		
15	DEPRECIATION	SERVICE COSTS	0.0224
16	COST OF MONEY	SERVICE COSTS	0.0852
17	INCOME TAX	SERVICE COSTS	0.0344
18	OTHER TAX	SERVICE COSTS	0.0317
19	MAINTENANCE	SERVICE COSTS	0.0269
20	ADMINISTRATION	SERVICE COSTS	0.0364
21	**TOTAL- Building ACF**	SUM (LINES 15 THRU LINE 20)	**0.2370**

Bell Atlantic--New York, Inc.
Annual Cost Factors for BA North
FCC
2000-2000
Detailed Costs

FRC	Components		1 Depr Factor	2 Return Factor	3 Inc Tx Factor	4 Prop Tax Factor	5 Oth Tax Factor	Capital Factor (SUM E..I)	6 Network Factor	RTU Factor	7 Mktg Factor	8 Oth Sup Factor	Dir Exp Factor (K+M+N)	Shr Exp Factor (L)	GRL Direct	GRL Shared	Total ACF Dir w GRL (J+O+Q)	Total ACF Shr w GRL (P+R)
1	Pole (2411)		0.0576	0.0544	0.0220	0.0199	0.0021	**0.1560**	0.0117	0.0000	0.0081	0.0277	**0.0475**	0.0000	0.0034	0.0000	**0.2069**	**0.0000**
2	Aerial Metallic (2421.11)		0.0676	0.0605	0.0245	0.0199	0.0021	**0.1745**	0.1199	0.0000	0.0081	0.0277	**0.1557**	0.0000	0.0055	0.0000	**0.3357**	**0.0000**
4	Conduit (2441)		0.0185	0.0788	0.0319	0.0199	0.0021	**0.1512**	0.0271	0.0000	0.0081	0.0277	**0.0629**	0.0000	0.0036	0.0000	**0.2176**	**0.0000**
5	Underground Metallic (2422.11)		0.0585	0.0604	0.0244	0.0199	0.0021	**0.1653**	0.0557	0.0000	0.0081	0.0277	**0.0915**	0.0000	0.0043	0.0000	**0.2611**	**0.0000**
45	Buried Metallic (2423.11)		0.0441	0.0685	0.0277	0.0199	0.0021	**0.1622**	0.0486	0.0000	0.0081	0.0277	**0.0844**	0.0000	0.0041	0.0000	**0.2508**	**0.0000**
60	Building (2121)		**0.0220**	**0.0838**	**0.0339**	**0.0291**	**0.0021**	**0.1709**	**0.0264**	**0.0000**	**0.0081**	**0.0277**	**0.0622**	**0.0000**	**0.0039**	**0.0000**	**0.2370**	**0.0000**
62	IntraBldg Metallic (2426.11)		0.0501	0.0693	0.0280	0.0199	0.0021	**0.1694**	0.0569	0.0000	0.0081	0.0277	**0.0927**	0.0000	0.0044	0.0000	**0.2665**	**0.0000**
70	Land (2111)		**0.0000**	**0.1126**	**0.0456**	**0.0291**	**0.0021**	**0.1894**	**0.0264**	**0.0000**	**0.0081**	**0.0277**	**0.0622**	**0.0000**	**0.0042**	**0.0000**	**0.2558**	**0.0000**
82	Aerial Fiber (2421.12)		0.0501	0.0651	0.0263	0.0199	0.0021	**0.1635**	0.0211	0.0000	0.0081	0.0277	**0.0568**	0.0000	0.0037	0.0000	**0.2241**	**0.0000**
85	Underground Fiber(2422.12)		0.0481	0.0663	0.0268	0.0199	0.0021	**0.1631**	0.0172	0.0000	0.0081	0.0277	**0.0530**	0.0000	0.0036	0.0000	**0.2197**	**0.0000**
257	Cxt Digital SPG (2232.12)		0.1051	0.0511	0.0207	0.0000	0.0021	**0.1791**	0.0388	0.0045	0.0081	0.0277	**0.0746**	0.0045	0.0043	0.0001	**0.2579**	**0.0046**
758	OrigTerm SPG (2362.7)		0.2103	0.0533	0.0216	0.0199	0.0021	**0.3071**	0.0488	0.0000	0.0081	0.0277	**0.0846**	0.0000	0.0066	0.0000	**0.3983**	**0.0000**
845	Buried Fiber (2423.12)		0.0441	0.0685	0.0277	0.0199	0.0021	**0.1622**	0.0169	0.0000	0.0081	0.0277	**0.0527**	0.0000	0.0036	0.0000	**0.2186**	**0.0000**
732/742	IntraBldg Fiber (2426.12)		0.0401	0.0708	0.0286	0.0199	0.0021	**0.1614**	0.0188	0.0000	0.0081	0.0277	**0.0546**	0.0000	0.0036	0.0000	**0.2196**	**0.0000**
858	OrigTerm NCTE (2362.8)		0.2103	0.0533	0.0216	0.0199	0.0021	**0.3071**	0.0356	0.0000	0.0081	0.0277	**0.0714**	0.0000	0.0063	0.0000	**0.3848**	**0.0000**
377	Digital Switch (2212.00)	0.2595	0.0626	0.0544	0.0220	0.0000	0.0021	**0.1411**	0.0826	0.0199	0.0081	0.0277	**0.1184**	0.0199	0.0044	0.0003	**0.2639**	**0.0202**
	GRL	0.0044	0.0010	0.0009	0.0004	0.0000	0.0000		0.0014		0.0001	0.0005						
377	With GRL	0.2639	**0.0636**	**0.0553**	**0.0224**	**0.0000**	**0.0021**		**0.0840**		**0.0082**	**0.0282**					**0.2639**	
	Allocation	1.0000	0.2412	0.2097	0.0848	0.0000	0.0081		0.3183		0.0311	0.1068						
357	Digital Circuit (2232.19)	0.2781	0.1051	0.0511	0.0207	0.0000	0.0021	**0.1791**	0.0633	0.0045	0.0081	0.0277	**0.0990**	0.0045	0.0047	0.0001	**0.2828**	**0.0046**
	GRL	0.0047	0.0018	0.0009	0.0003	0.0000	0.0000		0.0011		0.0001	0.0005						
357	With GRL	0.2828	**0.1069**	**0.0520**	**0.0210**	**0.0000**	**0.0021**		**0.0643**		**0.0082**	**0.0282**					**0.2828**	
	Allocation	1.0000	0.3781	0.1839	0.0744	0.0000	0.0075		0.2274		0.0291	0.0996						

Collocation GRLs (6-9-2000)

Assumptions:

-Rounded to six digits and grossed-up
-Uses Access Uncollectibles instead of TSLRIC Uncollectibles
Use as a Loading - not as an investment factor
Use for both Recurring and Non-recurring Costs

					Sub-Factor	Raw Factor	Grossed Up	
					A	B=sum A Components	C=B/(1-B)	
1998	STD	FCC	CT	UNCOLL	0.000925			
1998	STD	FCC	CT	REG ASSESS	0.001680			
1998	STD	FCC	CT	GRT	0	0.002605	**0.002612**	***CT***
1998	STD	FCC	DC	UNCOLL	0.001434			
1998	STD	FCC	DC	REG ASSESS	0.002773			
1998	STD	FCC	DC	GRT	0	0.004207	**0.004225**	***DC***
1998	STD	FCC	DE	UNCOLL	0.000906			
1998	STD	FCC	DE	REG ASSESS	0.001606			
1998	STD	FCC	DE	GRT	0	0.002512	**0.002518**	***DE***
1998	STD	FCC	MA	UNCOLL	0.000815			
1998	STD	FCC	MA	REG ASSESS	0.000724			
1998	STD	FCC	MA	GRT	0	0.001539	**0.001541**	***MA***
1998	STD	FCC	MD	UNCOLL	0.000414			
1998	STD	FCC	MD	REG ASSESS	0.001284			
1998	STD	FCC	MD	GRT	0	0.001698	**0.001701**	***MD***
1998	STD	FCC	ME	UNCOLL	0.000852			
1998	STD	FCC	ME	REG ASSESS	0.002589			
1998	STD	FCC	ME	GRT	0	0.003441	**0.003453**	***ME***
1998	STD	FCC	NH	UNCOLL	0.000759			
1998	STD	FCC	NH	REG ASSESS	0.001932			
1998	STD	FCC	NH	GRT	0	0.002691	**0.002698**	***NH***
1998	STD	FCC	NJ	UNCOLL	0.002242			
1998	STD	FCC	NJ	REG ASSESS	0.001749			
1998	STD	FCC	NJ	GRT	0	0.003991	**0.004007**	***NJ***
1998	STD	FCC	NY	UNCOLL	0.000925			
1998	STD	FCC	NY	REG ASSESS	0.001680			
1998	STD	FCC	NY	GRT	0	0.002605	**0.002612**	***NY***
1998	STD	FCC	PA	UNCOLL	0.001311			
1998	STD	FCC	PA	REG ASSESS	0.001655			
1998	STD	FCC	PA	GRT	0	0.002966	**0.002975**	***PA***
1998	STD	FCC	RI	UNCOLL	0.000427			
1998	STD	FCC	RI	REG ASSESS	0.001342			
1998	STD	FCC	RI	GRT	0	0.001769	**0.001772**	***RI***
1998	STD	FCC	VA	UNCOLL	0.000308			
1998	STD	FCC	VA	REG ASSESS	0.001054			
1998	STD	FCC	VA	GRT	0	0.001362	**0.001364**	***VA***
1998	STD	FCC	VT	UNCOLL	0.000465			
1998	STD	FCC	VT	REG ASSESS	0.004208			
1998	STD	FCC	VT	GRT	0	0.004673	**0.004695**	***VT***
1998	STD	FCC	WV	UNCOLL	0.000300			
1998	STD	FCC	WV	REG ASSESS	0.002391			
1998	STD	FCC	WV	GRT	0	0.002691	**0.002698**	***WV***

REDACTED DATA: TAB 4:

The runs from the V-Cost program that developed the annual carrying charge factors (ACF)

BUILDING FACTORS - VERIZON NORTH

LINE #	JURISDICTION	BUILDING FACTOR
1	MASSACHUSETTS	0.1835
2	MAINE	0.1167
3	NEW HAMPSHIRE	0.1357
4	NEW YORK	0.2140
5	RHODE ISLAND	0.1845
6	VERMONT	0.1256

SOURCE: VERIZON SERVICE COSTS FACTORS GROUP

2000 REGIONAL POWER EF&I FACTOR
BELL ATLANTIC
Power Equipment Placed in Calendar Year 1998
(Account 2212 - FRC 377C - Digital Switch)

LINE	ITEM A	SOURCE B	VALUE C
1	Hardwire Equipment - Installed Investment	1998 DCPR Data	$ 70,589,773.79
2	Plug-In Unit - Installed Investment	1998 DCPR Data	$ 8,003,168.83
3	Total Installed Investment	L1 + L2	$ 78,592,942.62
4	Hardwire Equipment - Material Investment	1998 DCPR Data	$ 20,419,693.85
5	Plug-In Unit - Material Investment	1998 DCPR Data	$ 7,798,643.06
6	Total Material Investment	L4 + L5	$ 28,218,336.91
7	Power EF&I Factor	L3 / L6	**2.7852**

1998 Power - HW

HARDWIRE DATABASE
YEAR PLACED 1998
H/P: H=HARDWIRE; P=PLUG-IN
DATA FROM THE PICS/DCPR DATABASE

LINE	STATE	H/P	FRC	ACCOUNT	DESCRIPTION	MATERIAL COST	IN-PLACE COST
1	DC	H	377C	2212	Digital Switch	$ 513,700.15	$ 1,492,050.96
2	DE	H	377C	2212	Digital Switch	$ 281,635.88	$ 1,107,555.85
3	MA	H	377C	2212	Digital Switch	$ 1,341,909.20	$ 4,629,103.65
4	MD	H	377C	2212	Digital Switch	$ 1,739,975.73	$ 6,405,099.69
5	ME	H	377C	2212	Digital Switch	$ 155,698.01	$ 540,789.37
6	NH	H	377C	2212	Digital Switch	$ 508,977.09	$ 1,233,819.75
7	NJ	H	377C	2212	Digital Switch	$ 2,352,492.87	$ 7,589,378.43
8	NY	H	377C	2212	Digital Switch	$ 5,989,527.69	$ 20,255,671.95
9	PA	H	377C	2212	Digital Switch	$ 4,928,204.99	$ 14,973,082.73
10	RI	H	377C	2212	Digital Switch	$ 94,348.20	$ 986,891.69
11	VA	H	377C	2212	Digital Switch	$ 1,553,373.72	$ 8,100,320.34
12	VT	H	377C	2212	Digital Switch	$ 127,299.16	$ 387,812.30
13	WV	H	377C	2212	Digital Switch	$ 832,551.16	$ 2,888,197.08
14					**TOTAL**	**$ 20,419,693.85**	**$ 70,589,773.79**

1998 Power - PI

PLUG-IN DATABASE
YEAR PLACED 1998
H/P: H=HARDWIRE; P=PLUG-IN
DATA FROM THE PICS/DCPR DATABASE

LINE	STATE	H/P	FRC	ACCOUNT	DESCRIPTION	MATERIAL COST	IN-PLACE COST
1	DC	P	377C	2212	Digital Switch	$ 270,041.67	$ 270,041.67
2	DE	P	377C	2212	Digital Switch	$ 35,242.46	$ 35,242.46
3	MA	P	377C	2212	Digital Switch	$ 650,170.25	$ 679,758.68
4	MD	P	377C	2212	Digital Switch	$ 481,049.55	$ 504,979.52
5	ME	P	377C	2212	Digital Switch	$ 132,836.35	$ 139,942.09
6	NH	P	377C	2212	Digital Switch	$ 226,784.37	$ 226,922.74
7	NJ	P	377C	2212	Digital Switch	$ 599,850.12	$ 599 850.12
8	NY	P	377C	2212	Digital Switch	$ 2,570,979.72	$ 2,70[illegible]14.86
9	PA	P	377C	2212	Digital Switch	$ 1,599,421.99	$ 1,599,955.18
10	RI	P	377C	2212	Digital Switch	$ 37,124.05	$ 39,455.69
11	VA	P	377C	2212	Digital Switch	$ 941,218.59	$ 941,218.59
12	VT	P	377C	2212	Digital Switch	$ 112,704.78	$ 117,768.07
13	WV	P	377C	2212	Digital Switch	$ 141,219.16	$ 141,219.16
14					TOTAL	$ 7,798,643.06	$ 8,003,168.83

REDACTED DATA - TAB 6:

The detailed DCPR printouts that contain the hardware and plug-in material and in-place prices used to develop the installation (EF&I) factor.

COMMON OVERHEAD LOADING FACTOR FOR VERIZON - NEW YORK

1.32

Reference in main cost study spreadsheet: Work Paper 4.0, Line 25

No jurisdictional weightings necessary since there is only one state in the study