

Confidential Release

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Section 28

Document Description

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

LIBERTY

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.76 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,455.73	\$328.68	\$179.28	\$804.29	\$51.88	\$68.62	\$22.98
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$841.63	\$59.87	\$117.21	\$577.96	\$37.28	\$49.31	\$0.00
19	ENGINEERING & INSTALLATION	\$5,962.98	\$230.68	\$911.82	\$4,090.72	\$263.87	\$349.01	\$116.88
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$8,260.34	\$619.24	\$1,208.31	\$5,472.96	\$353.03	\$466.94	\$139.86
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,210.03	\$127.88	\$168.06	\$780.77	\$49.91	\$65.42	\$17.98
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$301.78	\$15.91	\$45.63	\$205.92	\$13.00	\$16.81	\$4.51
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$99.48	\$38.09	\$36.55	\$19.61	\$2.10	\$1.84	\$1.29
29	PROPERTY TAX (Ln 12 * Ln 22)	\$132.92	\$9.96	\$19.44	\$88.07	\$5.68	\$7.51	\$2.25
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,744.21						
32								
33	COST PER MONTH (Ln 31 / 12)	\$145.35						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$4.65						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$150.00						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop LIBERTY Facility Length 1.76 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,127.04	\$984.19	\$4,748.10	\$5,732.30	\$6,859.34
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,455.73	\$987.95	\$4,975.03	\$5,962.98	\$7,418.71
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$179.28	\$156.55	\$755.27	\$911.82	\$1,091.10
Aerial Cable Investments	2421.20	\$804.29	\$702.35	\$3,388.37	\$4,090.72	\$4,895.00
Underground Cable Investments	2422.20	\$51.88	\$45.30	\$218.57	\$263.87	\$315.75
Buried Cable Investments	2423.20	\$68.62	\$59.92	\$289.08	\$349.01	\$417.63
Conduit Investments	2441.10	<u>\$22.98</u>	<u>\$20.07</u>	<u>\$96.81</u>	<u>\$116.88</u>	<u>\$139.86</u>
TOTAL 24XX Account		\$1,127.04	\$984.19	\$4,748.10	\$5,732.30	\$6,859.34

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

LOUDONVILLE

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.35 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,101.39	\$328.68	\$68.86	\$308.93	\$19.95	\$366.13	\$8.84
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$604.32	\$59.87	\$45.02	\$222.00	\$14.33	\$263.10	\$0.00
19	ENGINEERING & INSTALLATION	\$4,025.82	\$230.68	\$338.21	\$1,517.31	\$97.97	\$1,798.25	\$43.39
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17, 18, 19)	\$5,731.53	\$619.24	\$452.09	\$2,048.24	\$132.25	\$2,427.48	\$52.23
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$848.50	\$127.88	\$62.88	\$292.20	\$18.70	\$340.12	\$6.71
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$203.98	\$15.91	\$17.07	\$77.07	\$4.87	\$87.37	\$1.68
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$69.96	\$38.09	\$13.67	\$7.34	\$0.79	\$9.58	\$0.48
29	PROPERTY TAX (Ln 12 * Ln 22)	\$92.23	\$9.96	\$7.27	\$32.96	\$2.13	\$39.06	\$0.84
30								
31	TOTAL ANNUAL COST (Sum Ln 26, Ln 29)	\$1,214.65						
32								
33	COST PER MONTH (Ln 31 / 12)	\$101.22						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$3.24						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$104.46						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop LOUDONVILLE Facility Length 1.35 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$772.70	\$688.69	\$3,106.44	\$3,795.14	\$4,567.84

FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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TOTAL all ACCOUNTS

\$1,101.39	\$692.45	\$3,333.37	\$4,025.82	\$5,127.20
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$68.86	\$61.37	\$276.84	\$338.21	\$407.07
Aerial Cable Investments	2421.20	\$308.93	\$275.34	\$1,241.97	\$1,517.31	\$1,826.25
Underground Cable Investments	2422.20	\$19.95	\$17.78	\$80.19	\$97.97	\$117.92
Buried Cable Investments	2423.20	\$366.13	\$326.32	\$1,471.92	\$1,798.25	\$2,164.38
Conduit Investments	2441.10	<u>\$8.84</u>	<u>\$7.87</u>	<u>\$35.52</u>	<u>\$43.39</u>	<u>\$52.23</u>
TOTAL 24XX Account		\$772.70	\$688.69	\$3,106.44	\$3,795.14	\$4,567.84

Unbundled Loop Element Cost Study

OHIO

INVESTMENT SUMMARY

Fiber Loop	LODI	Facility Length	2.31	Miles
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SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,433.85	\$1,259.39	\$5,725.83	\$6,985.22	\$8,419.07
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS	\$1,762.53	\$1,263.14	\$5,952.76	\$7,215.90	\$8,978.43
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BREAKOUT OF 2232.xx INVESTMENT

BREAKOUT OF 2232.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FGC ACCT	COST	COST	COST	TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

BREAKOUT OF 24xx.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
Pole Investments	2411.10	\$201.26	\$176.77	\$803.69	\$980.46	\$1,181.72
Aerial Cable Investments	2421.20	\$902.90	\$793.05	\$3,605.61	\$4,398.65	\$5,301.56
Underground Cable Investments	2422.20	\$58.29	\$51.20	\$232.76	\$283.95	\$342.24
Buried Cable Investments	2423.20	\$245.58	\$215.70	\$980.68	\$1,196.37	\$1,441.95
Conduit Investments	2441.10	<u>\$25.82</u>	<u>\$22.68</u>	<u>\$103.10</u>	<u>\$125.77</u>	<u>\$151.59</u>
TOTAL 24XX Account		\$1,433.85	\$1,259.39	\$5,725.83	\$6,985.22	\$8,419.07

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

LODI

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.31 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,762.53	\$328.68	\$201.26	\$902.90	\$58.29	\$245.58	\$25.82
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,058.64	\$59.87	\$131.59	\$648.82	\$41.88	\$176.47	\$0.00
19	ENGINEERING & INSTALLATION	\$7,215.90	\$230.68	\$980.46	\$4,398.65	\$283.95	\$1,196.37	\$125.77
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$10,037.07	\$619.24	\$1,313.31	\$5,950.38	\$384.13	\$1,618.42	\$151.59
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,459.98	\$127.88	\$182.66	\$848.88	\$54.31	\$226.76	\$19.49
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$366.67	\$15.91	\$49.59	\$223.89	\$14.14	\$58.25	\$4.89
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$109.21	\$38.09	\$39.72	\$21.32	\$2.29	\$6.39	\$1.40
29	PROPERTY TAX (Ln 12 * Ln 22)	\$161.51	\$9.96	\$21.13	\$95.75	\$6.18	\$26.04	\$2.44
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,097.37						
32								
33	COST PER MONTH (Ln 31 / 12)	\$174.78						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$5.60						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$180.38						
39								

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

LOGAN

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 3.58 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,411.77	\$328.68	\$207.95	\$932.91	\$60.26	\$855.28	\$26.69
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,524.11	\$59.87	\$135.96	\$670.38	\$43.30	\$614.60	\$0.00
19	ENGINEERING & INSTALLATION	\$9,975.11	\$230.68	\$972.75	\$4,364.05	\$281.89	\$4,000.88	\$124.86
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$13,910.99	\$619.24	\$1,316.66	\$5,967.34	\$385.45	\$5,470.75	\$151.55
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,002.81	\$127.88	\$183.13	\$851.30	\$54.50	\$766.52	\$19.48
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$506.14	\$15.91	\$49.72	\$224.53	\$14.19	\$196.91	\$4.89
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$124.59	\$38.09	\$39.82	\$21.38	\$2.30	\$21.60	\$1.40
29	PROPERTY TAX (Ln 12 * Ln 22)	\$223.84	\$9.96	\$21.19	\$96.02	\$6.20	\$88.03	\$2.44
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,857.39						
32								
33	COST PER MONTH (Ln 31 / 12)	\$238.12						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$7.62						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$245.74						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop LOGAN Facility Length 3.58 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,083.08	\$1,851.19	\$7,893.23	\$9,744.43	\$11,827.51
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,411.77	\$1,854.95	\$8,120.16	\$9,975.11	\$12,386.87
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$207.95	\$184.80	\$787.95	\$972.75	\$1,180.70
Aerial Cable Investments	2421.20	\$932.91	\$829.06	\$3,534.99	\$4,364.05	\$5,296.96
Underground Cable Investments	2422.20	\$60.26	\$53.55	\$228.34	\$281.89	\$342.15
Buried Cable Investments	2423.20	\$855.28	\$760.07	\$3,240.82	\$4,000.88	\$4,856.16
Conduit Investments	2441.10	<u>\$26.69</u>	<u>\$23.72</u>	<u>\$101.14</u>	<u>\$124.86</u>	<u>\$151.55</u>
TOTAL 24XX Account		\$2,083.08	\$1,851.19	\$7,893.23	\$9,744.43	\$11,827.51

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

LEESBURG

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.12 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	- 0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$948.66	\$328.68	\$41.44	\$185.90	\$11.98	\$375.35	\$5.31
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$498.89	\$59.87	\$27.09	\$133.59	\$8.61	\$269.73	\$0.00
19	ENGINEERING & INSTALLATION	\$3,296.34	\$230.68	\$204.90	\$919.23	\$59.24	\$1,856.04	\$26.24
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$4,743.89	\$619.24	\$273.43	\$1,238.72	\$79.83	\$2,501.13	\$31.55
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$708.41	\$127.88	\$38.03	\$176.72	\$11.29	\$350.44	\$4.06
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$166.82	\$15.91	\$10.33	\$46.61	\$2.94	\$90.02	\$1.02
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$61.44	\$38.09	\$8.27	\$4.44	\$0.48	\$9.88	\$0.29
29	PROPERTY TAX (Ln 12 * Ln 22)	\$76.33	\$9.96	\$4.40	\$19.93	\$1.28	\$40.25	\$0.51
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,013.01						
32								
33	COST PER MONTH (Ln 31 / 12)	\$84.42						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$2.70						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$87.12						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop LEESBURG Facility Length 1.12 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$619.98	\$555.82	\$2,509.84	\$3,065.66	\$3,685.64
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$948.66	\$559.57	\$2,736.77	\$3,296.34	\$4,245.00
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$41.44	\$37.15	\$167.75	\$204.90	\$246.34
Aerial Cable Investments	2421.20	\$185.90	\$166.66	\$752.57	\$919.23	\$1,105.13
Underground Cable Investments	2422.20	\$11.98	\$10.74	\$48.50	\$59.24	\$71.22
Buried Cable Investments	2423.20	\$375.35	\$336.51	\$1,519.54	\$1,856.04	\$2,231.40
Conduit Investments	2441.10	<u>\$5.31</u>	<u>\$4.76</u>	<u>\$21.48</u>	<u>\$26.24</u>	<u>\$31.55</u>
TOTAL 24XX Account		\$619.98	\$555.82	\$2,509.84	\$3,065.66	\$3,685.64

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

LETART FALLS

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.14 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,620.98	\$328.68	\$159.50	\$715.57	\$46.16	\$350.61	\$20.45
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$963.49	\$59.87	\$104.28	\$514.21	\$33.17	\$251.95	\$0.00
19	ENGINEERING & INSTALLATION	\$6,491.88	\$230.68	\$772.79	\$3,466.97	\$223.66	\$1,698.72	\$99.07
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$9,076.35	\$619.24	\$1,036.58	\$4,696.75	\$302.99	\$2,301.28	\$119.51
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,322.73	\$127.88	\$144.17	\$670.04	\$42.84	\$322.44	\$15.36
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$329.61	\$15.91	\$39.14	\$176.72	\$11.15	\$82.83	\$3.86
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$98.27	\$38.09	\$31.35	\$16.83	\$1.81	\$9.09	\$1.11
29	PROPERTY TAX (Ln 12 * Ln 22)	\$146.05	\$9.96	\$16.68	\$75.58	\$4.88	\$37.03	\$1.92
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,896.66						
32								
33	COST PER MONTH (Ln 31 / 12)	\$158.05						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$5.06						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$163.11						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop LETART FALLS Facility Length 2.14 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,292.30	\$1,140.79	\$5,120.41	\$6,261.20	\$7,553.50
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,620.98	\$1,144.54	\$5,347.34	\$6,491.88	\$8,112.86
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$159.50	\$140.80	\$631.99	\$772.79	\$932.29
Aerial Cable Investments	2421.20	\$715.57	\$631.68	\$2,835.29	\$3,466.97	\$4,182.54
Underground Cable Investments	2422.20	\$46.16	\$40.75	\$182.91	\$223.66	\$269.82
Buried Cable Investments	2423.20	\$350.61	\$309.51	\$1,389.22	\$1,698.72	\$2,049.33
Conduit Investments	2441.10	<u>\$20.45</u>	<u>\$18.05</u>	<u>\$81.02</u>	<u>\$99.07</u>	<u>\$119.51</u>
TOTAL 24XX Account		\$1,292.30	\$1,140.79	\$5,120.41	\$6,261.20	\$7,553.50

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

LUCASVILLE

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 6.78 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$4,601.88	\$328.68	\$639.25	\$2,867.87	\$185.06	\$499.05	\$81.97
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$3,030.25	\$59.87	\$417.95	\$2,060.83	\$132.98	\$358.62	\$0.00
19	ENGINEERING & INSTALLATION	\$20,480.71	\$230.68	\$3,029.31	\$13,590.38	\$876.96	\$2,364.94	\$388.44
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$28,112.85	\$619.24	\$4,086.51	\$18,519.08	\$1,195.00	\$3,222.60	\$470.41
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$4,019.14	\$127.88	\$568.38	\$2,641.93	\$168.96	\$451.53	\$60.47
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$1,042.17	\$15.91	\$154.31	\$696.79	\$43.99	\$115.99	\$15.17
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$252.24	\$38.09	\$123.60	\$66.35	\$7.13	\$12.72	\$4.35
29	PROPERTY TAX (Ln 12 * Ln 22)	\$452.36	\$9.96	\$65.76	\$297.99	\$19.23	\$51.85	\$7.57
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$5,765.92						
32								
33	COST PER MONTH (Ln 31 / 12)	\$480.49						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$15.38						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$495.88						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop LUCASVILLE Facility Length 6.78 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$4,273.20	\$3,742.67	\$16,507.36	\$20,250.03	\$24,523.23

FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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TOTAL all ACCOUNTS

\$4,601.88	\$3,746.42	\$16,734.29	\$20,480.71	\$25,082.59
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$639.25	\$559.89	\$2,469.42	\$3,029.31	\$3,668.56
Aerial Cable Investments	2421.20	\$2,867.87	\$2,511.81	\$11,078.57	\$13,590.38	\$16,458.25
Underground Cable Investments	2422.20	\$185.06	\$162.08	\$714.88	\$876.96	\$1,062.02
Buried Cable Investments	2423.20	\$499.05	\$437.09	\$1,927.84	\$2,364.94	\$2,863.99
Conduit Investments	2441.10	<u>\$81.97</u>	<u>\$71.79</u>	<u>\$316.65</u>	<u>\$388.44</u>	<u>\$470.41</u>
TOTAL 24XX Account		\$4,273.20	\$3,742.67	\$16,507.36	\$20,250.03	\$24,523.23

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

LEWISBURG

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.28 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,808.79	\$328.68	\$247.30	\$1,109.45	\$71.59	\$20.06	\$31.71
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,084.66	\$59.87	\$161.69	\$797.25	\$51.44	\$14.41	\$0.00
19	ENGINEERING & INSTALLATION	\$7,586.94	\$230.68	\$1,229.10	\$5,514.09	\$355.79	\$99.69	\$157.59
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$10,480.38	\$619.24	\$1,638.08	\$7,420.79	\$478.81	\$134.16	\$189.30
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,525.19	\$127.88	\$227.83	\$1,058.65	\$67.70	\$18.80	\$24.33
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$385.54	\$15.91	\$61.86	\$279.21	\$17.62	\$4.83	\$6.11
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$119.36	\$38.09	\$49.55	\$26.59	\$2.85	\$0.53	\$1.75
29	PROPERTY TAX (Ln 12 * Ln 22)	\$168.64	\$9.96	\$26.36	\$119.41	\$7.70	\$2.16	\$3.05
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,198.73						
32								
33	COST PER MONTH (Ln 31 / 12)	\$183.23						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$5.87						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$189.09						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop LEWISBURG Facility Length 2.28 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,480.10	\$1,289.19	\$6,067.06	\$7,356.25	\$8,836.36
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,808.79	\$1,292.95	\$6,293.99	\$7,586.94	\$9,395.72
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$247.30	\$215.40	\$1,013.70	\$1,229.10	\$1,476.39
Aerial Cable Investments	2421.20	\$1,109.45	\$966.35	\$4,547.74	\$5,514.09	\$6,623.54
Underground Cable Investments	2422.20	\$71.59	\$62.35	\$293.43	\$355.79	\$427.37
Buried Cable Investments	2423.20	\$20.06	\$17.47	\$82.22	\$99.69	\$119.75
Conduit Investments	2441.10	<u>\$31.71</u>	<u>\$27.62</u>	<u>\$129.97</u>	<u>\$157.59</u>	<u>\$189.30</u>
TOTAL 24XX Account		\$1,480.10	\$1,289.19	\$6,067.06	\$7,356.25	\$8,836.36

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

LOWELL

VS + VIS

BNF:

DESCRIPTION: HICAP Fiber Loop Facility

Facility Length 5.28 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$3,769.82	\$328.68	\$582.86	\$2,614.88	\$168.68	\$0.00	\$74.72
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$2,441.20	\$59.87	\$381.08	\$1,879.03	\$121.22	\$0.00	\$0.00
19	ENGINEERING & INSTALLATION	\$16,816.05	\$230.68	\$2,809.23	\$12,603.02	\$813.01	\$0.00	\$360.11
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$23,027.07	\$619.24	\$3,773.16	\$17,096.93	\$1,102.91	\$0.00	\$434.83
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$3,303.55	\$127.88	\$524.80	\$2,439.04	\$155.94	\$0.00	\$55.89
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$856.30	\$15.91	\$142.48	\$643.28	\$40.60	\$0.00	\$14.03
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$224.07	\$38.09	\$114.12	\$61.26	\$6.58	\$0.00	\$4.02
29	PROPERTY TAX (Ln 12 * Ln 22)	\$370.53	\$9.96	\$60.71	\$275.11	\$17.75	\$0.00	\$7.00
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$4,754.45						
32								
33	COST PER MONTH (Ln 31 / 12)	\$396.20						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$12.68						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$408.89						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop LOWELL Facility Length 5.28 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$3,441.14	\$2,995.05	\$13,590.32	\$16,585.37	\$20,026.50
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$3,769.82	\$2,998.81	\$13,817.24	\$16,816.05	\$20,585.87
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$582.86	\$507.30	\$2,301.92	\$2,809.23	\$3,392.08
Aerial Cable Investments	2421.20	\$2,614.88	\$2,275.90	\$10,327.12	\$12,603.02	\$15,217.89
Underground Cable Investments	2422.20	\$168.68	\$146.82	\$666.19	\$813.01	\$981.70
Buried Cable Investments	2423.20	\$0.00	\$0.00	\$0.00	\$0.00	
Conduit Investments	2441.10	<u>\$74.72</u>	<u>\$65.03</u>	<u>\$295.08</u>	<u>\$360.11</u>	<u>\$434.83</u>
TOTAL 24XX Account		\$3,441.14	\$2,995.05	\$13,590.32	\$16,585.37	\$20,026.50

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

LOWER SALEM

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 5.74 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$4,069.56	\$328.68	\$633.71	\$2,843.00	\$183.08	\$0.00	\$81.09
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$2,648.72	\$59.87	\$414.33	\$2,042.97	\$131.56	\$0.00	\$0.00
19	ENGINEERING & INSTALLATION	\$18,229.40	\$230.68	\$3,049.00	\$13,678.71	\$880.85	\$0.00	\$390.16
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lne 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$24,947.69	\$619.24	\$4,097.03	\$18,564.68	\$1,195.49	\$0.00	\$471.26
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$3,575.76	\$127.88	\$569.84	\$2,648.43	\$169.03	\$0.00	\$60.58
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$928.34	\$15.91	\$154.71	\$698.51	\$44.01	\$0.00	\$15.20
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$240.01	\$38.09	\$123.92	\$66.51	\$7.13	\$0.00	\$4.36
29	PROPERTY TAX (Ln 12 * Ln 22)	\$401.43	\$9.96	\$65.93	\$298.72	\$19.24	\$0.00	\$7.58
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$5,145.54						
32								
33	COST PER MONTH (Ln 31 / 12)	\$428.79						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$13.73						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$442.52						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop LOWER SALEM Facility Length 5.74 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$3,740.88	\$3,255.92	\$14,742.80	\$17,998.72	\$21,739.61
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$4,069.56	\$3,259.68	\$14,969.72	\$18,229.40	\$22,298.97
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$633.71	\$551.56	\$2,497.44	\$3,049.00	\$3,682.71
Aerial Cable Investments	2421.20	\$2,843.00	\$2,474.44	\$11,204.27	\$13,678.71	\$16,521.71
Underground Cable Investments	2422.20	\$183.08	\$159.34	\$721.51	\$880.85	\$1,063.93
Buried Cable Investments	2423.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Conduit Investments	2441.10	<u>\$81.09</u>	<u>\$70.58</u>	<u>\$319.58</u>	<u>\$390.16</u>	<u>\$471.26</u>
TOTAL 24XX Account		\$3,740.88	\$3,255.92	\$14,742.80	\$17,998.72	\$21,739.61

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

LYNCHBURG

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 4.28 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,849.56	\$328.68	\$271.36	\$1,217.41	\$78.62	\$918.65	\$34.82
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,828.75	\$59.87	\$177.42	\$874.83	\$56.50	\$660.14	\$0.00
19	ENGINEERING & INSTALLATION	\$12,009.20	\$230.68	\$1,267.91	\$5,688.23	\$367.35	\$4,292.30	\$162.71
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$16,687.51	\$619.24	\$1,716.70	\$7,780.47	\$502.47	\$5,871.09	\$197.54
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,395.66	\$127.88	\$238.77	\$1,109.96	\$71.04	\$822.61	\$25.39
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$609.67	\$15.91	\$64.83	\$292.75	\$18.50	\$211.32	\$6.37
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$145.89	\$38.09	\$51.92	\$27.88	\$3.00	\$23.18	\$1.83
29	PROPERTY TAX (Ln 12 * Ln 22)	\$268.52	\$9.96	\$27.62	\$125.20	\$8.09	\$94.47	\$3.18
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$3,419.74						
32								
33	COST PER MONTH (Ln 31 / 12)	\$284.98						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$9.12						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$294.10						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop LYNCHBURG Facility Length 4.28 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,520.87	\$2,235.38	\$9,543.14	\$11,778.52	\$14,299.39
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,849.56	\$2,239.14	\$9,770.06	\$12,009.20	\$14,858.75
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$271.36	\$240.63	\$1,027.28	\$1,267.91	\$1,539.28
Aerial Cable Investments	2421.20	\$1,217.41	\$1,079.54	\$4,608.70	\$5,688.23	\$6,905.65
Underground Cable Investments	2422.20	\$78.62	\$69.72	\$297.63	\$367.35	\$445.97
Buried Cable Investments	2423.20	\$918.65	\$814.61	\$3,477.69	\$4,292.30	\$5,210.96
Conduit Investments	2441.10	<u>\$34.82</u>	<u>\$30.88</u>	<u>\$131.83</u>	<u>\$162.71</u>	<u>\$197.54</u>
TOTAL 24XX Account		\$2,520.87	\$2,235.38	\$9,543.14	\$11,778.52	\$14,299.39

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MARION WILSON

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.78 Miles

INVESTMENT / COST FACTORS			Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	<u>INVESTMENT LOADINGS</u>							
3								
4	MATERIAL LOADINGS		0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR							
6								
7	<u>ANNUAL EXPENSE FACTORS</u>							
8								
9	CAPITAL RECOVERY		0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX		0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE		0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX		0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202						

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,007.85	\$328.68	\$207.47	\$930.77	\$60.11	\$454.19	\$26.63
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,233.94	\$59.87	\$135.65	\$668.85	\$43.20	\$326.37	\$0.00
19	ENGINEERING & INSTALLATION	\$8,265.78	\$230.68	\$992.78	\$4,453.89	\$287.66	\$2,173.35	\$127.42
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$11,507.56	\$619.24	\$1,335.89	\$6,053.50	\$390.97	\$2,953.91	\$154.04
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,666.24	\$127.88	\$185.80	\$863.59	\$55.28	\$413.88	\$19.80
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$419.81	\$15.91	\$50.45	\$227.77	\$14.39	\$106.32	\$4.97
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$115.60	\$38.09	\$40.41	\$21.69	\$2.33	\$11.66	\$1.42
29	PROPERTY TAX (Ln 12 * Ln 22)	\$185.17	\$9.96	\$21.50	\$97.41	\$6.29	\$47.53	\$2.48
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,386.81						
32								
33	COST PER MONTH (Ln 31 / 12)	\$198.90						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$6.37						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$205.27						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop MARION WILSON Facility Length 2.78 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,679.17	\$1,482.24	\$6,552.85	\$8,035.09	\$9,714.26

FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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TOTAL all ACCOUNTS

\$2,007.85	\$1,486.00	\$6,779.78	\$8,265.78	\$10,273.82
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$207.47	\$183.14	\$809.64	\$992.78	\$1,200.25
Aerial Cable Investments	2421.20	\$930.77	\$821.61	\$3,632.28	\$4,453.89	\$5,384.66
Underground Cable Investments	2422.20	\$60.11	\$53.06	\$234.60	\$287.66	\$347.77
Buried Cable Investments	2423.20	\$454.19	\$400.92	\$1,772.43	\$2,173.35	\$2,627.54
Conduit Investments	2441.10	<u>\$26.63</u>	<u>\$23.50</u>	<u>\$103.91</u>	<u>\$127.42</u>	<u>\$154.04</u>
TOTAL 24XX Account		\$1,679.17	\$1,482.24	\$6,552.85	\$8,035.09	\$9,714.26

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MARION MAIN

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.17 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,639.40	\$328.68	\$161.95	\$726.54	\$46.92	\$354.53	\$20.78
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$976.32	\$59.87	\$105.88	\$522.08	\$33.72	\$254.76	\$0.00
19	ENGINEERING & INSTALLATION	\$6,576.87	\$230.68	\$784.10	\$3,517.72	\$227.20	\$1,716.53	\$100.63
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$9,192.58	\$619.24	\$1,051.93	\$4,766.34	\$307.84	\$2,325.82	\$121.42
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,339.16	\$127.88	\$146.31	\$679.96	\$43.52	\$325.88	\$15.61
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$333.93	\$15.91	\$39.72	\$179.34	\$11.33	\$83.71	\$3.92
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$99.12	\$38.09	\$31.82	\$17.08	\$1.84	\$9.18	\$1.12
29	PROPERTY TAX (Ln 12 * Ln 22)	\$147.92	\$9.96	\$16.93	\$76.70	\$4.95	\$37.42	\$1.95
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,920.14						
32								
33	COST PER MONTH (Ln 31 / 12)	\$160.01						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$5.12						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$165.13						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop MARION MAIN Facility Length 2.17 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,310.72	\$1,157.00	\$5,189.18	\$6,346.18	\$7,656.90

FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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TOTAL all ACCOUNTS

\$1,639.40	\$1,160.76	\$5,416.11	\$6,576.87	\$8,216.26
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$161.95	\$142.95	\$641.15	\$784.10	\$946.05
Aerial Cable Investments	2421.20	\$726.54	\$641.33	\$2,876.39	\$3,517.72	\$4,244.25
Underground Cable Investments	2422.20	\$46.92	\$41.42	\$185.78	\$227.20	\$274.12
Buried Cable Investments	2423.20	\$354.53	\$312.95	\$1,403.58	\$1,716.53	\$2,071.06
Conduit Investments	2441.10	<u>\$20.78</u>	<u>\$18.35</u>	<u>\$82.29</u>	<u>\$100.63</u>	<u>\$121.42</u>
TOTAL 24XX Account		\$1,310.72	\$1,157.00	\$5,189.18	\$6,346.18	\$7,656.90

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MCARTHUR

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 0.53 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$621.45	\$328.68	\$19.14	\$85.88	\$5.56	\$179.73	\$2.46
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$267.24	\$59.87	\$12.52	\$61.71	\$3.99	\$129.15	\$0.00
19	ENGINEERING & INSTALLATION	\$1,842.86	\$230.68	\$105.41	\$472.90	\$30.61	\$989.70	\$13.56
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$2,731.56	\$619.24	\$137.07	\$620.49	\$40.16	\$1,298.58	\$16.02
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$425.15	\$127.88	\$19.06	\$88.52	\$5.68	\$181.95	\$2.06
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$93.17	\$15.91	\$5.18	\$23.35	\$1.48	\$46.74	\$0.52
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$49.97	\$38.09	\$4.15	\$2.22	\$0.24	\$5.13	\$0.15
29	PROPERTY TAX (Ln 12 * Ln 22)	\$43.95	\$9.96	\$2.21	\$9.98	\$0.65	\$20.90	\$0.26
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$612.24						
32								
33	COST PER MONTH (Ln 31 / 12)	\$51.02						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$1.63						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$52.65						
39								

INVESTMENT SUMMARY

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$292.77	\$262.56	\$1,349.62	\$1,612.18	\$1,904.95
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$621.45	\$266.32	\$1,576.54	\$1,842.86	\$2,464.31
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BREAKOUT OF 2232.xx INVESTMENT

BREAKOUT OF 2232.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

BREAKOUT OF 24xx.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
Pole Investments	2411.10	\$19.14	\$17.17	\$88.24	\$105.41	\$124.55
Aerial Cable Investments	2421.20	\$85.88	\$77.02	\$395.88	\$472.90	\$558.78
Underground Cable Investments	2422.20	\$5.56	\$4.99	\$25.63	\$30.61	\$36.17
Buried Cable Investments	2423.20	\$179.73	\$161.19	\$828.52	\$989.70	\$1,169.43
Conduit Investments	2441.10	<u>\$2.46</u>	<u>\$2.21</u>	<u>\$11.35</u>	<u>\$13.56</u>	<u>\$16.02</u>
TOTAL 24XX Account		\$292.77	\$262.56	\$1,349.62	\$1,612.18	\$1,904.95

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MECHANICSBURG

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.05 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,434.42	\$328.68	\$54.25	\$243.38	\$15.67	\$785.50	\$6.94
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$845.95	\$59.87	\$35.47	\$174.89	\$11.26	\$564.45	\$0.00
19	ENGINEERING & INSTALLATION	\$5,397.85	\$230.68	\$253.51	\$1,137.33	\$73.22	\$3,670.68	\$32.43
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$7,678.22	\$619.24	\$343.23	\$1,555.60	\$100.15	\$5,020.64	\$39.37
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,120.21	\$127.88	\$47.74	\$221.92	\$14.16	\$703.45	\$5.06
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$273.07	\$15.91	\$12.96	\$58.53	\$3.69	\$180.71	\$1.27
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$74.83	\$38.09	\$10.38	\$5.57	\$0.60	\$19.82	\$0.36
29	PROPERTY TAX (Ln 12 * Ln 22)	\$123.55	\$9.96	\$5.52	\$25.03	\$1.61	\$80.79	\$0.63
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,591.66						
32								
33	COST PER MONTH (Ln 31 / 12)	\$132.64						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$4.25						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$136.88						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop MECHANICSBURG Facility Length 2.05 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,105.74	\$995.74	\$4,171.43	\$5,167.17	\$6,272.91
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,434.42	\$999.50	\$4,398.35	\$5,397.85	\$6,832.27
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$54.25	\$48.85	\$204.66	\$253.51	\$307.76
Aerial Cable Investments	2421.20	\$243.38	\$219.17	\$918.16	\$1,137.33	\$1,380.71
Underground Cable Investments	2422.20	\$15.67	\$14.11	\$59.11	\$73.22	\$88.89
Buried Cable Investments	2423.20	\$785.50	\$707.36	\$2,963.32	\$3,670.68	\$4,456.18
Conduit Investments	2441.10	<u>\$6.94</u>	<u>\$6.25</u>	<u>\$26.18</u>	<u>\$32.43</u>	<u>\$39.37</u>
TOTAL 24XX Account		\$1,105.74	\$995.74	\$4,171.43	\$5,167.17	\$6,272.91

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MCCOMB

VS + VIS

BNF:

DESCRIPTION: HICAP Fiber Loop Facility

Facility Length 1.95 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,433.56	\$328.68	\$91.09	\$408.66	\$26.36	\$567.10	\$11.67
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$839.54	\$59.87	\$59.56	\$293.66	\$18.94	\$407.51	\$0.00
19	ENGINEERING & INSTALLATION	\$5,496.83	\$230.68	\$434.16	\$1,947.79	\$125.62	\$2,702.93	\$55.64
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$7,769.93	\$619.24	\$584.81	\$2,650.11	\$170.91	\$3,677.54	\$67.31
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,135.37	\$127.88	\$81.34	\$378.06	\$24.16	\$515.27	\$8.65
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$278.54	\$15.91	\$22.08	\$99.71	\$6.29	\$132.37	\$2.17
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$81.43	\$38.09	\$17.69	\$9.49	\$1.02	\$14.52	\$0.62
29	PROPERTY TAX (Ln 12 * Ln 22)	\$125.03	\$9.96	\$9.41	\$42.64	\$2.75	\$59.18	\$1.08
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,620.37						
32								
33	COST PER MONTH (Ln 31 / 12)	\$135.03						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$4.32						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$139.35						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop MCOMB Facility Length 1.95 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,104.88	\$986.51	\$4,279.63	\$5,266.14	\$6,371.02
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,433.56	\$990.27	\$4,506.56	\$5,496.83	\$6,930.38
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$91.09	\$81.33	\$352.83	\$434.16	\$525.26
Aerial Cable Investments	2421.20	\$408.66	\$364.88	\$1,582.91	\$1,947.79	\$2,356.45
Underground Cable Investments	2422.20	\$26.36	\$23.53	\$102.09	\$125.62	\$151.97
Buried Cable Investments	2423.20	\$567.10	\$506.34	\$2,196.59	\$2,702.93	\$3,270.02
Conduit Investments	2441.10	<u>\$11.67</u>	<u>\$10.42</u>	<u>\$45.22</u>	<u>\$55.64</u>	<u>\$67.31</u>
TOTAL 24XX Account		\$1,104.88	\$986.51	\$4,279.63	\$5,266.14	\$6,371.02

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MECHANICSTOWN

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.69 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,888.11	\$328.68	\$151.94	\$681.65	\$44.00	\$662.35	\$19.49
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,156.62	\$59.87	\$99.34	\$489.83	\$31.62	\$475.96	\$0.00
19	ENGINEERING & INSTALLATION	\$7,597.23	\$230.68	\$717.74	\$3,220.01	\$207.85	\$3,128.87	\$92.06
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$10,641.96	\$619.24	\$969.02	\$4,391.49	\$283.47	\$4,267.19	\$111.55
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,541.45	\$127.88	\$134.78	\$626.49	\$40.08	\$597.89	\$14.34
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$385.36	\$15.91	\$36.59	\$165.23	\$10.43	\$153.59	\$3.60
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$102.70	\$38.09	\$29.31	\$15.73	\$1.69	\$16.85	\$1.03
29	PROPERTY TAX (Ln 12 * Ln 22)	\$171.24	\$9.96	\$15.59	\$70.66	\$4.56	\$68.66	\$1.80
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,200.75						
32								
33	COST PER MONTH (Ln 31 / 12)	\$183.40						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$5.87						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$189.27						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop MECHANICSTOWN Facility Length 2.69 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,559.43	\$1,386.75	\$5,979.80	\$7,366.54	\$8,925.97
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,888.11	\$1,390.50	\$6,206.72	\$7,597.23	\$9,485.34
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$151.94	\$135.11	\$582.63	\$717.74	\$869.68
Aerial Cable Investments	2421.20	\$681.65	\$606.17	\$2,613.85	\$3,220.01	\$3,901.66
Underground Cable Investments	2422.20	\$44.00	\$39.13	\$168.72	\$207.85	\$251.85
Buried Cable Investments	2423.20	\$662.35	\$589.01	\$2,539.87	\$3,128.87	\$3,791.23
Conduit Investments	2441.10	<u>\$19.49</u>	<u>\$17.33</u>	<u>\$74.73</u>	<u>\$92.06</u>	<u>\$111.55</u>
TOTAL 24XX Account		\$1,559.43	\$1,386.75	\$5,979.80	\$7,366.54	\$8,925.97

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MEDINA

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 3.58 Miles

INVESTMENT / COST FACTORS			Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	<u>INVESTMENT LOADINGS</u>							
3								
4	MATERIAL LOADINGS		0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR							
6								
7	<u>ANNUAL EXPENSE FACTORS</u>							
8								
9	CAPITAL RECOVERY		0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX		0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE		0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX		0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG		0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00	
14									
15	<u>INVESTMENT</u>								
16									
17	EQUIPMENT INVESTMENT		\$2,557.27	\$328.68	\$316.75	\$1,421.01	\$91.69	\$358.53	\$40.61
18	MATERIAL LOADINGS (Ln 4 * Ln 17)		\$1,611.62	\$59.87	\$207.09	\$1,021.13	\$65.89	\$257.64	\$0.00
19	ENGINEERING & INSTALLATION		\$10,907.97	\$230.68	\$1,517.54	\$6,808.15	\$439.29	\$1,717.73	\$194.58
20	SOFTWARE		\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)		\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)		\$15,076.87	\$619.24	\$2,041.38	\$9,250.29	\$596.87	\$2,333.89	\$235.19
23									
24	<u>ANNUAL OPERATING EXPENSES</u>								
25									
26	CAPITAL RECOVERY (Ln 9 * Ln 22)		\$2,173.08	\$127.88	\$283.93	\$1,319.64	\$84.39	\$327.01	\$30.23
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)		\$554.61	\$15.91	\$77.09	\$348.05	\$21.97	\$84.00	\$7.59
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)		\$147.92	\$38.09	\$61.74	\$33.14	\$3.56	\$9.22	\$2.18
29	PROPERTY TAX (Ln 12 * Ln 22)		\$242.60	\$9.96	\$32.85	\$148.85	\$9.60	\$37.55	\$3.78
30									
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)		\$3,118.22						
32									
33	COST PER MONTH (Ln 31 / 12)		\$259.85						
34									
35									
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)		\$8.32						
37									
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)		\$268.17						
39									

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop MEDINA Facility Length 3.58 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,228.59	\$1,956.39	\$8,720.90	\$10,677.29	\$12,905.88
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,557.27	\$1,960.14	\$8,947.83	\$10,907.97	\$13,465.24
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$316.75	\$278.06	\$1,239.49	\$1,517.54	\$1,834.29
Aerial Cable Investments	2421.20	\$1,421.01	\$1,247.45	\$5,560.70	\$6,808.15	\$8,229.16
Underground Cable Investments	2422.20	\$91.69	\$80.49	\$358.80	\$439.29	\$530.98
Buried Cable Investments	2423.20	\$358.53	\$314.74	\$1,402.99	\$1,717.73	\$2,076.25
Conduit Investments	2441.10	<u>\$40.61</u>	<u>\$35.65</u>	<u>\$158.93</u>	<u>\$194.58</u>	<u>\$235.19</u>
TOTAL 24XX Account		\$2,228.59	\$1,956.39	\$8,720.90	\$10,677.29	\$12,905.88

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MILAN

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.03 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,579.48	\$328.68	\$169.97	\$762.53	\$49.14	\$247.40	\$21.77
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$932.04	\$59.87	\$111.13	\$547.95	\$35.31	\$177.78	\$0.00
19	ENGINEERING & INSTALLATION	\$6,350.39	\$230.68	\$831.59	\$3,730.77	\$240.43	\$1,210.43	\$106.49
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$8,861.91	\$619.24	\$1,112.69	\$5,041.24	\$324.88	\$1,635.60	\$128.26
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,293.41	\$127.88	\$154.76	\$719.18	\$45.93	\$229.17	\$16.49
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$322.58	\$15.91	\$42.02	\$189.68	\$11.96	\$58.87	\$4.14
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$99.38	\$38.09	\$33.65	\$18.06	\$1.94	\$6.46	\$1.19
29	PROPERTY TAX (Ln 12 * Ln 22)	\$142.60	\$9.96	\$17.90	\$81.12	\$5.23	\$26.32	\$2.06
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,857.97						
32								
33	COST PER MONTH (Ln 31 / 12)	\$154.83						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$4.96						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$159.79						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop MILAN Facility Length 2.03 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,250.80	\$1,100.09	\$5,019.61	\$6,119.71	\$7,370.50
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,579.48	\$1,103.85	\$5,246.54	\$6,350.39	\$7,929.87
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$169.97	\$149.49	\$682.10	\$831.59	\$1,001.56
Aerial Cable Investments	2421.20	\$762.53	\$670.65	\$3,060.11	\$3,730.77	\$4,493.29
Underground Cable Investments	2422.20	\$49.14	\$43.22	\$197.21	\$240.43	\$289.57
Buried Cable Investments	2423.20	\$247.40	\$217.59	\$992.84	\$1,210.43	\$1,457.82
Conduit Investments	2441.10	<u>\$21.77</u>	<u>\$19.14</u>	<u>\$87.35</u>	<u>\$106.49</u>	<u>\$128.26</u>
TOTAL 24XX Account		\$1,250.80	\$1,100.09	\$5,019.61	\$6,119.71	\$7,370.50

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MILLERSPORT

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.94 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	- 0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,082.39	\$328.68	\$202.87	\$910.14	\$58.86	\$555.78	\$26.07
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,288.20	\$59.87	\$132.64	\$654.02	\$42.29	\$399.38	\$0.00
19	ENGINEERING & INSTALLATION	\$8,566.62	\$230.68	\$964.31	\$4,326.16	\$279.76	\$2,641.79	\$123.92
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$11,937.22	\$619.24	\$1,299.82	\$5,890.31	\$380.91	\$3,596.95	\$149.99
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,726.09	\$127.88	\$180.79	\$840.31	\$53.86	\$503.98	\$19.28
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$434.95	\$15.91	\$49.08	\$221.63	\$14.02	\$129.47	\$4.84
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$116.37	\$38.09	\$39.31	\$21.10	\$2.27	\$14.20	\$1.39
29	PROPERTY TAX (Ln 12 * Ln 22)	\$192.08	\$9.96	\$20.92	\$94.78	\$6.13	\$57.88	\$2.41
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,469.49						
32								
33	COST PER MONTH (Ln 31 / 12)	\$205.79						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$6.59						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$212.38						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop MILLERSPORT Facility Length 2.94 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,753.71	\$1,551.56	\$6,784.37	\$8,335.94	\$10,089.65
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,082.39	\$1,555.32	\$7,011.30	\$8,566.62	\$10,649.01
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$202.87	\$179.49	\$784.82	\$964.31	\$1,167.18
Aerial Cable Investments	2421.20	\$910.14	\$805.23	\$3,520.93	\$4,326.16	\$5,236.30
Underground Cable Investments	2422.20	\$58.86	\$52.07	\$227.69	\$279.76	\$338.62
Buried Cable Investments	2423.20	\$555.78	\$491.72	\$2,150.08	\$2,641.79	\$3,197.57
Conduit Investments	2441.10	<u>\$26.07</u>	<u>\$23.06</u>	<u>\$100.85</u>	<u>\$123.92</u>	<u>\$149.99</u>
TOTAL 24XX Account		\$1,753.71	\$1,551.56	\$6,784.37	\$8,335.94	\$10,089.65

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MALVERN

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.68 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,347.81	\$328.68	\$128.67	\$577.26	\$37.23	\$259.48	\$16.49
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$772.03	\$59.87	\$84.13	\$414.81	\$26.75	\$186.46	\$0.00
19	ENGINEERING & INSTALLATION	\$5,248.99	\$230.68	\$633.59	\$2,842.47	\$183.33	\$1,277.71	\$81.20
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$7,368.83	\$619.24	\$846.39	\$3,834.54	\$247.31	\$1,723.66	\$97.69
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,081.67	\$127.88	\$117.72	\$547.03	\$34.97	\$241.51	\$12.56
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$266.45	\$15.91	\$31.96	\$144.28	\$9.10	\$62.04	\$3.15
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$86.61	\$38.09	\$25.60	\$13.74	\$1.47	\$6.81	\$0.90
29	PROPERTY TAX (Ln 12 * Ln 22)	\$118.57	\$9.96	\$13.62	\$61.70	\$3.98	\$27.74	\$1.57
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,553.29						
32								
33	COST PER MONTH (Ln 31 / 12)	\$129.44						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$4.14						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$133.59						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop MALVERN Facility Length 1.68 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,019.13	\$898.90	\$4,119.41	\$5,018.31	\$6,037.44
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,347.81	\$902.66	\$4,346.33	\$5,248.99	\$6,596.80
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$128.67	\$113.49	\$520.10	\$633.59	\$762.26
Aerial Cable Investments	2421.20	\$577.26	\$509.16	\$2,333.32	\$2,842.47	\$3,419.73
Underground Cable Investments	2422.20	\$37.23	\$32.84	\$150.49	\$183.33	\$220.56
Buried Cable Investments	2423.20	\$259.48	\$228.87	\$1,048.84	\$1,277.71	\$1,537.19
Conduit Investments	2441.10	<u>\$16.49</u>	<u>\$14.55</u>	<u>\$66.66</u>	<u>\$81.20</u>	<u>\$97.69</u>
TOTAL 24XX Account		\$1,019.13	\$898.90	\$4,119.41	\$5,018.31	\$6,037.44

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MANCHESTER

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.76 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,049.57	\$328.68	\$246.26	\$1,104.80	\$71.29	\$266.97	\$31.58
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,257.85	\$59.87	\$161.01	\$793.90	\$51.23	\$191.84	\$0.00
19	ENGINEERING & INSTALLATION	\$8,559.71	\$230.68	\$1,191.89	\$5,347.19	\$345.02	\$1,292.10	\$152.82
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$11,867.14	\$619.24	\$1,599.16	\$7,245.90	\$467.54	\$1,750.90	\$184.40
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,719.13	\$127.88	\$222.42	\$1,033.70	\$66.10	\$245.32	\$23.70
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$435.11	\$15.91	\$60.39	\$272.63	\$17.21	\$63.02	\$5.95
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$123.82	\$38.09	\$48.37	\$25.96	\$2.79	\$6.91	\$1.71
29	PROPERTY TAX (Ln 12 * Ln 22)	\$190.95	\$9.96	\$25.73	\$116.59	\$7.52	\$28.17	\$2.97
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,469.02						
32								
33	COST PER MONTH (Ln 31 / 12)	\$205.75						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$6.59						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$212.34						
39								

Fiber Loop	MANCHESTER	Facility Length	2.76	Miles
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ITEM	FCC ACCT	MATERIAL CQST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,720.89	\$1,510.25	\$6,818.78	\$8,329.03	\$10,049.92
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

\$2,049.57	\$1,514.01	\$7,045.70	\$8,559.71	\$10,609.29
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BREAKOUT OF 2232.xx INVESTMENT	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT	FCC ACCT	MATERIAL	ENGINEER	INSTALL	E&I	TOTAL
		COST	COST	COST	TOTAL	
Pole Investments	2411.10	\$246.26	\$216.12	\$975.78	\$1,191.89	\$1,438.16
Aerial Cable Investments	2421.20	\$1,104.80	\$969.57	\$4,377.62	\$5,347.19	\$6,451.99
Underground Cable Investments	2422.20	\$71.29	\$62.56	\$282.46	\$345.02	\$416.31
Buried Cable Investments	2423.20	\$266.97	\$234.29	\$1,057.81	\$1,292.10	\$1,559.06
Conduit Investments	2441.10	\$31.58	\$27.71	\$125.11	\$152.82	\$184.40
TOTAL 24XX Account		\$1,720.89	\$1,510.25	\$6,818.78	\$8,329.03	\$10,049.92

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MINERAL CITY

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.92 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,091.77	\$328.68	\$217.50	\$975.77	\$62.84	\$479.16	\$27.83
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,292.73	\$59.87	\$142.20	\$701.18	\$45.15	\$344.32	\$0.00
19	ENGINEERING & INSTALLATION	\$8,649.30	\$230.68	\$1,038.54	\$4,659.21	\$300.03	\$2,287.93	\$132.90
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$12,033.79	\$619.24	\$1,398.25	\$6,336.15	\$408.02	\$3,111.41	\$160.73
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,740.57	\$127.88	\$194.48	\$903.91	\$57.69	\$435.95	\$20.66
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$439.31	\$15.91	\$52.80	\$238.40	\$15.02	\$111.99	\$5.18
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$119.28	\$38.09	\$42.29	\$22.70	\$2.43	\$12.29	\$1.49
29	PROPERTY TAX (Ln 12 * Ln 22)	\$193.64	\$9.96	\$22.50	\$101.96	\$6.57	\$50.07	\$2.59
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,492.80						
32								
33	COST PER MONTH (Ln 31 / 12)	\$207.73						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$6.65						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$214.38						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop MINERAL CITY Facility Length 2.92 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,763.09	\$1,556.41	\$6,862.21	\$8,418.62	\$10,181.70
FIBER PANEL C.O.L	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,091.77	\$1,560.17	\$7,089.13	\$8,649.30	\$10,741.07
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$217.50	\$192.00	\$846.54	\$1,038.54	\$1,256.04
Aerial Cable Investments	2421.20	\$975.77	\$861.38	\$3,797.83	\$4,659.21	\$5,634.97
Underground Cable Investments	2422.20	\$62.84	\$55.47	\$244.56	\$300.03	\$362.87
Buried Cable Investments	2423.20	\$479.16	\$422.99	\$1,864.95	\$2,287.93	\$2,767.09
Conduit Investments	2441.10	<u>\$27.83</u>	<u>\$24.57</u>	<u>\$108.33</u>	<u>\$132.90</u>	<u>\$160.73</u>
TOTAL 24XX Account		\$1,763.09	\$1,556.41	\$6,862.21	\$8,418.62	\$10,181.70

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MENDON

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.41 Miles

INVESTMENT / COST FACTORS			Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	<u>INVESTMENT LOADINGS</u>							
3								
4	MATERIAL LOADINGS		0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR							
6								
7	<u>ANNUAL EXPENSE FACTORS</u>							
8								
9	CAPITAL RECOVERY		0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX		0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE		0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX		0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202						

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,751.58	\$328.68	\$155.40	\$697.16	\$44.91	\$505.53	\$19.89
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,057.99	\$59.87	\$101.60	\$500.98	\$32.27	\$363.27	\$0.00
19	ENGINEERING & INSTALLATION	\$7,029.75	\$230.68	\$742.54	\$3,331.27	\$214.61	\$2,415.59	\$95.06
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$9,839.32	\$619.24	\$999.54	\$4,529.40	\$291.80	\$3,284.38	\$114.95
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,429.28	\$127.88	\$139.02	\$646.16	\$41.26	\$460.18	\$14.78
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$356.74	\$15.91	\$37.74	\$170.42	\$10.74	\$118.22	\$3.71
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$100.32	\$38.09	\$30.23	\$16.23	\$1.74	\$12.97	\$1.06
29	PROPERTY TAX (Ln 12 * Ln 22)	\$158.32	\$9.96	\$16.08	\$72.88	\$4.70	\$52.85	\$1.85
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,044.67						
32								
33	COST PER MONTH (Ln 31 / 12)	\$170.39						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$5.46						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$175.84						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop MENDON Facility Length 2.41 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,422.89	\$1,261.19	\$5,537.88	\$6,799.07	\$8,221.96
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,751.58	\$1,264.95	\$5,764.80	\$7,029.75	\$8,781.33
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$155.40	\$137.74	\$604.80	\$742.54	\$897.94
Aerial Cable Investments	2421.20	\$697.16	\$617.93	\$2,713.33	\$3,331.27	\$4,028.43
Underground Cable Investments	2422.20	\$44.91	\$39.81	\$174.80	\$214.61	\$259.53
Buried Cable Investments	2423.20	\$505.53	\$448.08	\$1,967.51	\$2,415.59	\$2,921.11
Conduit Investments	2441.10	<u>\$19.89</u>	<u>\$17.63</u>	<u>\$77.43</u>	<u>\$95.06</u>	<u>\$114.95</u>
TOTAL 24XX Account		\$1,422.89	\$1,261.19	\$5,537.88	\$6,799.07	\$8,221.96

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MINERVA

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.16 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,045.86	\$328.68	\$98.94	\$443.87	\$28.64	\$133.04	\$12.69
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$559.71	\$59.87	\$64.69	\$318.96	\$20.58	\$95.60	\$0.00
19	ENGINEERING & INSTALLATION	\$3,891.36	\$230.68	\$505.01	\$2,265.63	\$146.20	\$679.07	\$64.76
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$5,496.93	\$619.24	\$668.64	\$3,028.47	\$195.43	\$907.71	\$77.44
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$817.69	\$127.88	\$93.00	\$432.04	\$27.63	\$127.18	\$9.95
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$197.47	\$15.91	\$25.25	\$113.95	\$7.19	\$32.67	\$2.50
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$74.63	\$38.09	\$20.22	\$10.85	\$1.17	\$3.58	\$0.72
29	PROPERTY TAX (Ln 12 * Ln 22)	\$88.45	\$9.96	\$10.76	\$48.73	\$3.14	\$14.61	\$1.25
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,178.24						
32								
33	COST PER MONTH (Ln 31 / 12)	\$98.19						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$3.14						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$101.33						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop MINERVA Facility Length 1.16 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$717.18	\$630.38	\$3,030.29	\$3,660.67	\$4,377.86
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,045.86	\$634.14	\$3,257.22	\$3,891.36	\$4,937.22
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$98.94	\$86.96	\$418.05	\$505.01	\$603.95
Aerial Cable Investments	2421.20	\$443.87	\$390.15	\$1,875.48	\$2,265.63	\$2,709.51
Underground Cable Investments	2422.20	\$28.64	\$25.18	\$121.02	\$146.20	\$174.84
Buried Cable Investments	2423.20	\$133.04	\$116.94	\$562.13	\$679.07	\$812.11
Conduit Investments	2441.10	<u>\$12.69</u>	<u>\$11.15</u>	<u>\$53.61</u>	<u>\$64.76</u>	<u>\$77.44</u>
TOTAL 24XX Account		\$717.18	\$630.38	\$3,030.29	\$3,660.67	\$4,377.86

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MINSTER

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.05 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV. MKTG	0.03202					
<u>CALCULATION OF MONTHLY COST</u>		TOTAL	2232.23	2411.10	2421.20	2422.20	2441.00
14							
15	<u>INVESTMENT</u>						
16							
17	EQUIPMENT INVESTMENT	\$909.25	\$328.68	\$38.36	\$172.10	\$11.07	\$354.14
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$471.06	\$59.87	\$25.08	\$123.67	\$7.95	\$254.48
19	ENGINEERING & INSTALLATION	\$3,120.07	\$230.68	\$190.92	\$856.50	\$55.09	\$1,762.48
20	SOFTWARE	\$0.00					
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00					
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$4,500.37	\$619.24	\$254.36	\$1,152.27	\$74.11	\$2,371.10
23							
24	<u>ANNUAL OPERATING EXPENSES</u>						
25							
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$674.11	\$127.88	\$35.38	\$164.38	\$10.48	\$332.22
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$157.89	\$15.91	\$9.60	\$43.36	\$2.73	\$85.34
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$59.98	\$38.09	\$7.69	\$4.13	\$0.44	\$9.36
29	PROPERTY TAX (Ln 12 * Ln 22)	\$72.42	\$9.96	\$4.09	\$18.54	\$1.19	\$38.15
30							
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$964.39					
32							
33	COST PER MONTH (Ln 31 / 12)	\$80.37					
34							
35							
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$2.57					
37							
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$82.94					
39							

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop MINSTER Facility Length 1.05 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$580.57	\$520.58	\$2,368.80	\$2,889.39	\$3,469.95
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$909.25	\$524.34	\$2,595.73	\$3,120.07	\$4,029.32
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$38.36	\$34.40	\$156.52	\$190.92	\$229.28
Aerial Cable Investments	2421.20	\$172.10	\$154.32	\$702.19	\$856.50	\$1,028.60
Underground Cable Investments	2422.20	\$11.07	\$9.92	\$45.16	\$55.09	\$66.15
Buried Cable Investments	2423.20	\$354.14	\$317.55	\$1,444.93	\$1,762.48	\$2,116.62
Conduit Investments	2441.10	<u>\$4.90</u>	<u>\$4.40</u>	<u>\$20.00</u>	<u>\$24.40</u>	<u>\$29.30</u>
TOTAL 24XX Account		\$580.57	\$520.58	\$2,368.80	\$2,889.39	\$3,469.95

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MONROEVILLE

VS + VIS

BNF:

DESCRIPTION: HICAP Fiber Loop Facility

Facility Length 2.08 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV. MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,477.75	\$328.68	\$75.24	\$337.57	\$21.71	\$704.93	\$9.62
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$873.80	\$59.87	\$49.20	\$242.57	\$15.60	\$506.56	\$0.00
19	ENGINEERING & INSTALLATION	\$5,639.68	\$230.68	\$354.20	\$1,589.03	\$102.19	\$3,318.32	\$45.27
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$7,991.24	\$619.24	\$478.64	\$2,169.17	\$139.51	\$4,529.81	\$54.88
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,165.37	\$127.88	\$66.57	\$309.45	\$19.72	\$634.68	\$7.05
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$285.55	\$15.91	\$18.07	\$81.62	\$5.14	\$163.04	\$1.77
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$79.56	\$38.09	\$14.48	\$7.77	\$0.83	\$17.89	\$0.51
29	PROPERTY TAX (Ln 12 * Ln 22)	\$128.59	\$9.96	\$7.70	\$34.90	\$2.24	\$72.89	\$0.88
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,659.07						
32								
33	COST PER MONTH (Ln 31 / 12)	\$138.26						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$4.43						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$142.68						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop MONROEVILLE Facility Length 2.08 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,149.07	\$1,030.51	\$4,378.49	\$5,409.00	\$6,558.07
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,477.75	\$1,034.27	\$4,605.42	\$5,639.68	\$7,117.43
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$75.24	\$67.48	\$286.72	\$354.20	\$429.44
Aerial Cable Investments	2421.20	\$337.57	\$302.74	\$1,286.29	\$1,589.03	\$1,926.59
Underground Cable Investments	2422.20	\$21.71	\$19.47	\$82.72	\$102.19	\$123.90
Buried Cable Investments	2423.20	\$704.93	\$632.20	\$2,686.12	\$3,318.32	\$4,023.25
Conduit Investments	2441.10	<u>\$9.62</u>	<u>\$8.62</u>	<u>\$36.64</u>	<u>\$45.27</u>	<u>\$54.88</u>
TOTAL 24XX Account		\$1,149.07	\$1,030.51	\$4,378.49	\$5,409.00	\$6,558.07

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MARBLEHEAD

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.36 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	INVESTMENT LOADINGS						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	ANNUAL EXPENSE FACTORS						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT	\$1,198.83	\$328.68	\$137.97	\$618.97	\$39.94	\$55.59	\$17.69
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$663.51	\$59.87	\$90.21	\$444.78	\$28.70	\$39.94	\$0.00
19	ENGINEERING & INSTALLATION	\$4,739.36	\$230.68	\$714.88	\$3,207.16	\$206.95	\$288.03	\$91.67
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$6,601.70	\$619.24	\$943.05	\$4,270.91	\$275.59	\$383.56	\$109.36
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$975.10	\$127.88	\$131.17	\$609.29	\$38.96	\$53.74	\$14.06
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$239.70	\$15.91	\$35.61	\$160.70	\$10.14	\$13.81	\$3.53
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$86.08	\$38.09	\$28.52	\$15.30	\$1.64	\$1.51	\$1.01
29	PROPERTY TAX (Ln 12 * Ln 22)	\$106.23	\$9.96	\$15.17	\$68.72	\$4.43	\$6.17	\$1.76
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,407.10						
32								
33	COST PER MONTH (Ln 31 / 12)	\$117.26						
34								
35								
36	SALES/MKTG ADV (ABC) (Ln 13 * Ln 33)	\$3.75						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$121.01						
39								

INVESTMENT SUMMARY

1.36 Miles

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MORNING SUN

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 3.36 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,303.12	\$328.68	\$209.65	\$940.56	\$60.65	\$736.70	\$26.87
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,445.80	\$59.87	\$137.07	\$675.88	\$43.59	\$529.39	\$0.00
19	ENGINEERING & INSTALLATION	\$9,519.50	\$230.68	\$986.32	\$4,424.91	\$285.35	\$3,465.85	\$126.39
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$13,268.42	\$619.24	\$1,333.04	\$6,041.35	\$389.58	\$4,731.95	\$153.26
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,912.93	\$127.88	\$185.41	\$861.86	\$55.08	\$663.00	\$19.70
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$483.16	\$15.91	\$50.34	\$227.31	\$14.34	\$170.32	\$4.94
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$122.48	\$38.09	\$40.32	\$21.65	\$2.32	\$18.68	\$1.42
29	PROPERTY TAX (Ln 12 * Ln 22)	\$213.50	\$9.96	\$21.45	\$97.21	\$6.27	\$76.14	\$2.47
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,732.07						
32								
33	COST PER MONTH (Ln 31 / 12)	\$227.67						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$7.29						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$234.96						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop MORNING SUN Facility Length 3.36 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,974.44	\$1,751.55	\$7,537.27	\$9,288.82	\$11,263.25
FIBER PANEL C/DL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C/O	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,303.12	\$1,755.30	\$7,764.19	\$9,519.50	\$11,822.62
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$209.65	\$185.98	\$800.33	\$986.32	\$1,195.97
Aerial Cable Investments	2421.20	\$940.56	\$834.38	\$3,590.53	\$4,424.91	\$5,365.47
Underground Cable Investments	2422.20	\$60.65	\$53.81	\$231.54	\$285.35	\$346.00
Buried Cable Investments	2423.20	\$736.70	\$653.54	\$2,812.31	\$3,465.85	\$4,202.56
Conduit Investments	2441.10	<u>\$26.87</u>	<u>\$23.83</u>	<u>\$102.56</u>	<u>\$126.39</u>	<u>\$153.26</u>
TOTAL 24XX Account		\$1,974.44	\$1,751.55	\$7,537.27	\$9,288.82	\$11,263.25

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MORRAL

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.45 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,787.44	\$328.68	\$167.14	\$749.82	\$48.27	\$472.15	\$21.38
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,081.94	\$59.87	\$109.28	\$538.82	\$34.69	\$339.28	\$0.00
19	ENGINEERING & INSTALLATION	\$7,215.90	\$230.68	\$800.33	\$3,590.51	\$231.14	\$2,260.87	\$102.38
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$10,085.27	\$619.24	\$1,076.74	\$4,879.15	\$314.09	\$3,072.30	\$123.76
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,464.48	\$127.88	\$149.76	\$696.06	\$44.41	\$430.47	\$15.91
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$366.29	\$15.91	\$40.66	\$183.58	\$11.56	\$110.58	\$3.99
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$103.28	\$38.09	\$32.57	\$17.48	\$1.87	\$12.13	\$1.14
29	PROPERTY TAX (Ln 12 * Ln 22)	\$162.28	\$9.96	\$17.33	\$78.51	\$5.05	\$49.44	\$1.99
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,096.34						
32								
33	COST PER MONTH (Ln 31 / 12)	\$174.69						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$5.59						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$180.29						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop MORRAL Facility Length 2.45 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,458.75	\$1,291.02	\$5,694.20	\$6,985.22	\$8,443.97
FIBER PANEL COL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,787.44	\$1,294.77	\$5,921.13	\$7,215.90	\$9,003.34
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$167.14	\$147.92	\$652.41	\$800.33	\$967.46
Aerial Cable Investments	2421.20	\$749.82	\$663.60	\$2,926.90	\$3,590.51	\$4,340.33
Underground Cable Investments	2422.20	\$48.27	\$42.72	\$188.42	\$231.14	\$279.40
Buried Cable Investments	2423.20	\$472.15	\$417.86	\$1,843.01	\$2,260.87	\$2,733.02
Conduit Investments	2441.10	<u>\$21.38</u>	<u>\$18.92</u>	<u>\$83.46</u>	<u>\$102.38</u>	<u>\$123.76</u>
TOTAL 24XX Account		\$1,458.75	\$1,291.02	\$5,694.20	\$6,985.22	\$8,443.97

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MARIA STEIN

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 5.74 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	-0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$3,220.59	\$328.68	\$0.39	\$1.73	\$0.29	\$2,889.37	\$0.13
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$2,137.86	\$59.87	\$0.25	\$1.25	\$0.21	\$2,076.28	\$0.00
19	ENGINEERING & INSTALLATION	\$12,911.00	\$230.68	\$1.70	\$7.61	\$1.27	\$12,669.19	\$0.56
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$18,269.45	\$619.24	\$2.34	\$10.59	\$1.76	\$17,634.84	\$0.69
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,600.91	\$127.88	\$0.32	\$1.51	\$0.25	\$2,470.85	\$0.09
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$651.23	\$15.91	\$0.09	\$0.40	\$0.06	\$634.74	\$0.02
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$107.84	\$38.09	\$0.07	\$0.04	\$0.01	\$69.63	\$0.01
29	PROPERTY TAX (Ln 12 * Ln 22)	\$293.97	\$9.96	\$0.04	\$0.17	\$0.03	\$283.76	\$0.01
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$3,653.95						
32								
33	COST PER MONTH (Ln 31 / 12)	\$304.50						
34								
35								
36	SALES, MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$9.75						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$314.24						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop MARIA STEIN Facility Length 5.74 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,891.91	\$2,634.26	\$10,046.06	\$12,680.32	\$15,572.22
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$3,220.59	\$2,636.01	\$10,272.99	\$12,911.00	\$16,131.59
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$0.39	\$0.35	\$1.34	\$1.70	\$2.08
Aerial Cable Investments	2421.20	\$1.73	\$1.58	\$6.03	\$7.61	\$9.34
Underground Cable Investments	2422.20	\$0.29	\$0.26	\$1.00	\$1.27	\$1.56
Buried Cable Investments	2423.20	\$2,889.37	\$2,631.94	\$10,037.24	\$12,669.19	\$15,558.55
Conduit Investments	2441.10	<u>\$0.13</u>	<u>\$0.12</u>	<u>\$0.44</u>	<u>\$0.56</u>	<u>\$0.69</u>
TOTAL 24XX Account		\$2,891.91	\$2,634.26	\$10,046.06	\$12,680.32	\$15,572.22

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MOUNT BLANCHARD

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 0.71 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.03151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$730.83	\$328.68	\$33.07	\$148.35	\$9.56	\$206.94	\$4.23
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$343.67	\$59.87	\$21.62	\$106.60	\$6.87	\$148.71	\$0.00
19	ENGINEERING & INSTALLATION	\$2,351.16	\$230.68	\$174.36	\$782.22	\$50.40	\$1,091.18	\$22.33
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$3,425.67	\$619.24	\$229.64	\$1,037.17	\$66.83	\$1,446.83	\$26.56
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$523.28	\$127.88	\$31.86	\$147.96	\$9.45	\$202.72	\$3.41
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$118.98	\$15.91	\$8.65	\$39.02	\$2.46	\$52.08	\$0.86
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$55.09	\$38.09	\$6.93	\$3.72	\$0.40	\$5.71	\$0.25
29	PROPERTY TAX (Ln 12 * Ln 22)	\$55.12	\$9.96	\$3.69	\$16.69	\$1.08	\$23.28	\$0.43
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$752.47						
32								
33	COST PER MONTH (Ln 31 / 12)	\$62.71						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$2.01						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$64.71						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop MOUNT BLANCHARD Facility Length 0.71 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$402.15	\$359.09	\$1,761.39	\$2,120.48	\$2,522.63
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$730.83	\$362.85	\$1,988.31	\$2,351.16	\$3,081.99
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	\$328.68	\$3.76	\$226.92	\$230.68	\$559.36
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$33.07	\$29.53	\$144.83	\$174.36	\$207.42
Aerial Cable Investments	2421.20	\$148.35	\$132.46	\$649.75	\$782.22	\$930.56
Underground Cable Investments	2422.20	\$9.56	\$8.54	\$41.87	\$50.40	\$59.96
Buried Cable Investments	2423.20	\$206.94	\$184.78	\$906.39	\$1,091.18	\$1,298.12
Conduit Investments	2441.10	\$4.23	\$3.78	\$18.54	\$22.33	\$26.56
TOTAL 24XX Account		\$402.15	\$359.09	\$1,761.39	\$2,120.48	\$2,522.63

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MOUNT ORAB

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.8 Miles

INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65331	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13509	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03783	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV. MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,356.35	\$328.68	\$89.57	\$403.20	\$26.03	\$497.03	\$11.53
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$784.24	\$59.87	\$58.75	\$289.74	\$18.70	\$357.16	\$0.00
19	ENGINEERING & INSTALLATION	\$5,166.30	\$230.68	\$431.84	\$1,936.48	\$125.01	\$2,387.12	\$55.37
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$7,306.89	\$619.24	\$580.18	\$2,629.42	\$169.74	\$3,241.32	\$66.90
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,070.45	\$127.88	\$80.71	\$375.11	\$24.00	\$454.15	\$8.60
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$261.83	\$15.91	\$21.61	\$98.93	\$6.25	\$116.67	\$2.16
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$79.49	\$38.09	\$17.55	\$9.42	\$1.01	\$12.80	\$0.62
29	PROPERTY TAX (Ln 12 * Ln 22)	\$117.58	\$9.96	\$9.34	\$42.31	\$2.73	\$52.16	\$1.08
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,529.34						
32								
33	COST PER MONTH (Ln 31 / 12)	\$127.45						
34								
35								
36	SALES, MKTG ADV (ABC) (Ln 13 * Ln 33)	\$4.08						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$131.53						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop MOUNT ORAB Facility Length 1.80 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,027.67	\$916.34	\$4,019.27	\$4,935.61	\$5,963.28

FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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TOTAL all ACCOUNTS

\$1,356.35	\$921.10	\$4,248.19	\$5,166.30	\$6,522.65
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$0.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$0.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$89.37	\$82.14	\$351.50	\$431.64	\$521.52
Aerial Cable Investments	2421.20	\$403.20	\$353.53	\$1,576.95	\$1,936.48	\$2,339.68
Underground Cable Investments	2422.20	\$26.03	\$13.21	\$101.80	\$125.01	\$151.03
Buried Cable Investments	2423.20	\$497.03	\$443.19	\$1,943.93	\$2,387.12	\$2,884.15
Conduit Investments	2441.10	<u>\$11.53</u>	<u>\$10.28</u>	<u>\$45.09</u>	<u>\$55.37</u>	<u>\$66.90</u>
TOTAL 24XX Account		\$1,027.67	\$916.34	\$4,019.27	\$4,935.61	\$5,963.28

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MONTPELIER

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.22 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.11	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65331	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13309	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02559	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03325	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01109	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.11	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,699.29	\$328.68	\$187.08	\$842.88	\$54.45	\$261.27	\$24.12
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,015.28	\$59.87	\$122.84	\$605.69	\$39.13	\$187.74	\$0.00
19	ENGINEERING & INSTALLATION	\$6,908.88	\$230.68	\$915.43	\$4,106.91	\$265.33	\$1,273.00	\$117.52
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$9,623.44	\$619.24	\$1,225.35	\$5,555.49	\$358.91	\$1,722.01	\$141.64
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,401.19	\$127.88	\$170.54	\$792.54	\$50.74	\$241.27	\$18.21
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$351.00	\$15.91	\$46.30	\$209.03	\$13.21	\$61.98	\$4.57
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$105.33	\$38.09	\$37.39	\$19.90	\$2.14	\$6.80	\$1.31
29	PROPERTY TAX (Ln 12 * Ln 22)	\$154.85	\$9.96	\$19.73	\$89.39	\$5.78	\$27.71	\$2.28
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,012.38						
32								
33	COST PER MONTH (Ln 31 / 12)	\$167.70						
34								
35								
36	SALES, MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$5.37						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$173.07						
39								

Unbundled Loop Element Cost Study

OHIO

INVESTMENT SUMMARY

Fiber Loop	MONTPELIER	Facility Length	2.22	Miles
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SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,370.60	\$1,205.03	\$5,473.16	\$6,678.20	\$8,048.80
FIBER PANEL C.O.L.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.L.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,699.29	\$1,205.79	\$5,700.09	\$6,908.88	\$8,608.16
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BREAKOUT OF 2232.xx INVESTMENT

BREAKOUT OF 2232.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	\$328.68	\$3.76	\$226.92	\$230.68	\$559.36
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

BREAKOUT OF 24xx.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
Pole Investments	2411.10	\$187.88	\$165.18	\$750.25	\$915.43	\$1,103.31
Aerial Cable Investments	2421.20	\$842.88	\$741.06	\$3,365.85	\$4,106.91	\$4,949.80
Underground Cable Investments	2422.20	\$54.45	\$47.88	\$217.45	\$265.33	\$319.78
Buried Cable Investments	2423.20	\$261.27	\$229.70	\$1,043.30	\$1,273.00	\$1,534.27
Conduit Investments	2441.10	\$24.12	\$21.21	\$96.32	\$117.52	\$141.64
TOTAL 24XX Account		\$1,370.60	\$1,205.03	\$5,473.16	\$6,678.20	\$8,048.80

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MONTROSE

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.57 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02539	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00356	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01639	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,969.57	\$328.68	\$258.12	\$1,158.00	\$74.77	\$116.88	\$33.12
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,198.48	\$59.87	\$168.76	\$832.13	\$53.73	\$83.99	\$0.00
19	ENGINEERING & INSTALLATION	\$8,262.75	\$230.68	\$1,263.48	\$5,668.35	\$366.00	\$572.12	\$162.11
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$11,430.81	\$619.24	\$1,690.36	\$7,658.48	\$494.50	\$772.99	\$195.23
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,658.86	\$127.88	\$235.11	\$1,092.56	\$69.92	\$108.31	\$25.10
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$420.22	\$15.91	\$63.83	\$288.16	\$18.20	\$27.82	\$6.30
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$124.46	\$38.09	\$51.13	\$27.44	\$2.95	\$3.05	\$1.81
29	PROPERTY TAX (Ln 12 * Ln 22)	\$183.93	\$9.96	\$27.20	\$123.23	\$7.96	\$12.44	\$3.14
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,387.48						
32								
33	COST PER MONTH (Ln 31 / 12)	\$198.96						
34								
35								
36	SALES, MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$6.37						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$205.33						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop MONTROSE Facility Length 2.57 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,640.89	\$1,433.70	\$6,598.37	\$8,032.07	\$9,672.96
FIBER PANEL DDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,969.57	\$1,437.46	\$6,825.29	\$8,262.75	\$10,232.32
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$258.12	\$225.53	\$1,037.95	\$1,263.48	\$1,521.60
Aerial Cable Investments	2421.20	\$1,158.00	\$1,011.79	\$4,656.57	\$5,668.35	\$6,826.35
Underground Cable Investments	2422.20	\$74.77	\$65.33	\$300.67	\$366.00	\$440.77
Buried Cable Investments	2423.20	\$116.88	\$102.12	\$470.00	\$572.12	\$689.00
Conduit Investments	2441.10	<u>\$33.12</u>	<u>\$28.94</u>	<u>\$133.18</u>	<u>\$162.11</u>	<u>\$195.23</u>
TOTAL 24XX Account		\$1,640.89	\$1,433.70	\$6,598.37	\$8,032.07	\$9,672.96

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MARTINSVILLE

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.66 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.85381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,355.35	\$328.68	\$141.35	\$636.36	\$41.08	\$189.18	\$18.20
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$775.37	\$59.87	\$92.74	\$457.29	\$29.52	\$135.95	\$0.00
19	ENGINEERING & INSTALLATION	\$5,323.04	\$230.68	\$703.57	\$3,156.42	\$203.75	\$938.37	\$90.25
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$7,453.75	\$619.24	\$938.16	\$4,250.07	\$274.35	\$1,263.50	\$108.44
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,094.44	\$127.88	\$130.48	\$806.31	\$38.79	\$177.03	\$13.94
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$270.32	\$15.91	\$35.43	\$159.91	\$10.10	\$45.48	\$3.50
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$89.32	\$38.09	\$28.38	\$15.23	\$1.64	\$4.99	\$1.00
29	PROPERTY TAX (Ln 12 * Ln 22)	\$119.94	\$9.96	\$15.10	\$68.39	\$4.41	\$20.33	\$1.74
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,574.02						
32								
33	COST PER MONTH (Ln 31 / 12)	\$131.17						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$4.20						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$135.37						
39								

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

Unbundled Loop Element Cost Study OHIO

INVESTMENT SUMMARY

Fiber Loop MARTINSVILLE Facility Length 1.66 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,026.67	\$902.35	\$4,190.00	\$5,092.35	\$6,119.02
FIBER PANEL CCL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,355.35	\$902.35	\$4,116.93	\$5,323.04	\$6,678.38
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$326.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$326.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$141.85	\$124.67	\$578.90	\$703.57	\$845.41
Aerial Cable Investments	2421.20	\$636.36	\$559.31	\$2,597.11	\$3,156.42	\$3,792.78
Underground Cable Investments	2422.20	\$41.08	\$36.10	\$167.35	\$203.75	\$244.83
Buried Cable Investments	2423.20	\$189.18	\$166.28	\$772.09	\$938.37	\$1,127.55
Conduit Investments	2441.10	<u>\$18.20</u>	<u>\$15.99</u>	<u>\$74.26</u>	<u>\$90.25</u>	<u>\$108.44</u>
TOTAL 24XX Account		\$1,026.67	\$902.35	\$4,190.00	\$5,092.35	\$6,119.02

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

MOWRYSTOWN

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 4.66 Miles

INVESTMENT / COST FACTORS		Cable Term	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt	Poles	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20
1						2441.00
2	<u>INVESTMENT LOADINGS</u>					
3						
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859
5	INVESTMENT FACTOR					0.00000
6						
7	<u>ANNUAL EXPENSE FACTORS</u>					
8						
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES ADV, MKTG	0.03202				

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,918.01	\$328.68	\$179.65	\$805.96	\$52.03	\$1,528.63	\$23.05
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,892.35	\$59.87	\$117.46	\$579.16	\$37.39	\$1,098.47	\$0.00
19	ENGINEERING & INSTALLATION	\$12,051.89	\$230.68	\$820.17	\$3,679.52	\$237.53	\$6,978.78	\$105.21
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$16,862.24	\$619.24	\$1,117.28	\$5,054.65	\$326.94	\$9,605.88	\$128.26
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,414.41	\$127.88	\$155.40	\$722.52	\$46.23	\$1,345.90	\$16.49
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$610.58	\$15.91	\$42.19	\$190.56	\$12.03	\$345.75	\$4.14
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$131.09	\$38.09	\$33.79	\$18.15	\$1.95	\$37.93	\$1.19
29	PROPERTY TAX (Ln 12 * Ln 22)	\$271.33	\$9.96	\$17.98	\$81.50	\$5.26	\$154.57	\$2.06
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$3,427.42						
32								
33	COST PER MONTH (Ln 31 / 12)	\$285.62						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$9.14						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$294.76						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop MOWRYSTOWN Facility Length 4.66 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,589.32	\$2,319.83	\$9,501.38	\$11,821.21	\$14,410.53

FIBER PANEL C/DL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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FIBER PANEL C/O	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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TOTAL all ACCOUNTS

\$2,918.01	\$2,323.59	\$9,728.30	\$12,051.89	\$14,969.89
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$179.65	\$160.95	\$659.22	\$820.17	\$999.82
Aerial Cable Investments	2421.20	<u>\$805.96</u>	<u>\$722.08</u>	<u>\$2,957.44</u>	<u>\$3,679.52</u>	<u>\$4,485.48</u>
Underground Cable Investments	2422.20	\$52.03	\$46.61	\$190.92	\$237.53	\$289.56
Buried Cable Investments	2423.20	<u>\$1,528.63</u>	<u>\$1,369.54</u>	<u>\$5,609.24</u>	<u>\$6,978.78</u>	<u>\$8,507.41</u>
Conduit Investments	2441.10	<u>\$23.05</u>	<u>\$20.65</u>	<u>\$84.56</u>	<u>\$105.21</u>	<u>\$128.26</u>
TOTAL 24XX Account		\$2,589.32	\$2,319.83	\$9,501.38	\$11,821.21	\$14,410.53

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

NEW BURLINGTON

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 6.1 Miles

INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1 INVESTMENT LOADINGS							
2							
3							
4 MATERIAL LOADINGS		0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5 INVESTMENT FACTOR							
6							
7 ANNUAL EXPENSE FACTORS							
8							
9 CAPITAL RECOVERY		0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10 COMPOSITE INCOME TAX		0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11 MAINTENANCE & SUPPORT	WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12 PROPERTY TAX		0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13 SALES, ADV, MKTG	0.03202						

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14 INVESTMENT								
15								
16								
17 EQUIPMENT INVESTMENT		\$3,427.08	\$328.68	\$19.07	\$85.54	\$5.54	\$2,985.81	\$2.45
18 MATERIAL LOADINGS	(Ln 4 * Ln 17)	\$2,283.37	\$59.87	\$12.47	\$61.47	\$3.98	\$2,145.58	\$0.00
19 ENGINEERING & INSTALLATION		\$13,838.00	\$230.68	\$83.73	\$375.66	\$24.32	\$13,112.83	\$10.77
20 SOFTWARE		\$0.00						
21 INVESTMENT FACTOR	(Ln 5 * Lns 17-19)	\$0.00						
22 TOTAL INVESTMENT	(Sum Ln 17..Ln 21)	\$19,548.45	\$619.24	\$115.27	\$522.66	\$33.84	\$18,244.22	\$13.23
23								
24 ANNUAL OPERATING EXPENSES								
25								
26 CAPITAL RECOVERY	(Ln 9 * Ln 22)	\$2,781.20	\$127.88	\$16.03	\$74.56	\$4.78	\$2,556.23	\$1.70
27 COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	\$698.28	\$15.91	\$4.35	\$19.67	\$1.25	\$656.67	\$0.43
28 MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	\$115.81	\$38.09	\$3.49	\$1.87	\$0.20	\$72.04	\$0.12
29 PROPERTY TAX	(Ln 12 * Ln 22)	\$314.55	\$9.96	\$1.85	\$8.41	\$0.54	\$293.57	\$0.21
30								
31 TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)	\$3,909.83						
32								
33 COST PER MONTH	(Ln 31 / 12)	\$325.82						
34								
35								
36 SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	\$10.43						
37								
38 TOTAL COST PER MONTH	(Ln 36 + Ln 33)	\$336.25						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop NEW BURLINGTON Facility Length 6.10 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$3,098.40	\$2,818.55	\$10,788.77	\$13,607.32	\$16,705.72
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$3,427.08	\$2,822.31	\$11,015.69	\$13,838.00	\$17,265.08
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$19.07	\$17.34	\$66.39	\$83.73	\$102.80
Aerial Cable Investments	2421.20	\$85.54	\$77.81	\$297.84	\$375.66	\$461.19
Underground Cable Investments	2422.20	\$5.54	\$5.04	\$19.28	\$24.32	\$29.86
Buried Cable Investments	2423.20	\$2,985.81	\$2,716.12	\$10,396.71	\$13,112.83	\$16,098.63
Conduit Investments	2441.10	<u>\$2.45</u>	<u>\$2.23</u>	<u>\$8.54</u>	<u>\$10.77</u>	<u>\$13.23</u>
TOTAL 24XX Account		\$3,098.40	\$2,818.55	\$10,788.77	\$13,607.32	\$16,705.72

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

NORTH BALTIMORE

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 0.97 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$906.05	\$328.68	\$66.02	\$296.20	\$19.11	\$187.57	\$8.46
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$464.41	\$59.87	\$43.17	\$212.84	\$13.73	\$134.79	\$0.00
19	ENGINEERING & INSTALLATION	\$3,196.87	\$230.68	\$339.19	\$1,521.69	\$98.17	\$963.65	\$43.48
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$4,567.33	\$619.24	\$448.38	\$2,030.73	\$131.02	\$1,286.02	\$51.95
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$685.34	\$127.88	\$62.36	\$289.70	\$18.52	\$180.19	\$6.68
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$162.04	\$15.91	\$16.93	\$76.41	\$4.82	\$46.29	\$1.68
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$65.26	\$38.09	\$13.56	\$7.28	\$0.78	\$5.08	\$0.48
29	PROPERTY TAX (Ln 12 * Ln 22)	\$73.49	\$9.96	\$7.21	\$32.68	\$2.11	\$20.69	\$0.84
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$986.13						
32								
33	COST PER MONTH (Ln 31 / 12)	\$82.18						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$2.63						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$84.81						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop NORTH BALTIMORE Facility Length 0.97 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$577.37	\$511.01	\$2,455.18	\$2,966.19	\$3,543.56
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$906.05	\$514.77	\$2,682.11	\$3,196.87	\$4,102.92
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$66.02	\$58.43	\$280.75	\$339.19	\$405.21
Aerial Cable Investments	2421.20	\$296.20	\$262.15	\$1,259.54	\$1,521.69	\$1,817.89
Underground Cable Investments	2422.20	\$19.11	\$16.91	\$81.26	\$98.17	\$117.28
Buried Cable Investments	2423.20	\$187.57	\$166.02	\$797.64	\$963.65	\$1,151.23
Conduit Investments	2441.10	<u>\$8.46</u>	<u>\$7.49</u>	<u>\$35.99</u>	<u>\$43.48</u>	<u>\$51.95</u>
TOTAL 24XX Account		\$577.37	\$511.01	\$2,455.18	\$2,966.19	\$3,543.56

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

NEW BOSTON

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.02 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$990.68	\$328.68	\$110.51	\$495.77	\$32.02	\$9.51	\$14.18
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$518.23	\$59.87	\$72.25	\$356.26	\$23.01	\$6.83	\$0.00
19	ENGINEERING & INSTALLATION	\$3,719.51	\$230.68	\$582.39	\$2,612.79	\$168.77	\$50.12	\$74.75
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$5,228.42	\$619.24	\$765.15	\$3,464.82	\$223.80	\$66.47	\$88.94
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$780.98	\$127.88	\$106.42	\$494.29	\$31.64	\$9.31	\$11.43
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$188.67	\$15.91	\$28.89	\$130.37	\$8.24	\$2.39	\$2.87
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$76.06	\$38.09	\$23.14	\$12.41	\$1.33	\$0.26	\$0.82
29	PROPERTY TAX (Ln 12 * Ln 22)	\$84.13	\$9.96	\$12.31	\$55.75	\$3.60	\$1.07	\$1.43
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,129.85						
32								
33	COST PER MONTH (Ln 31 / 12)	\$94.15						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$3.01						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$97.17						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop NEW BOSTON Facility Length 1.02 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$662.00	\$576.64	\$2,912.18	\$3,488.82	\$4,150.82
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$990.68	\$580.40	\$3,139.11	\$3,719.51	\$4,710.19
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$110.51	\$96.26	\$486.13	\$582.39	\$692.90
Aerial Cable Investments	2421.20	\$495.77	\$431.85	\$2,180.94	\$2,612.79	\$3,108.56
Underground Cable Investments	2422.20	\$32.02	\$27.89	\$140.87	\$168.77	\$200.79
Buried Cable Investments	2423.20	\$9.51	\$8.28	\$41.84	\$50.12	\$59.63
Conduit Investments	2441.10	<u>\$14.18</u>	<u>\$12.36</u>	<u>\$62.40</u>	<u>\$74.75</u>	<u>\$88.94</u>
TOTAL 24XX Account		\$662.00	\$576.64	\$2,912.18	\$3,488.82	\$4,150.82

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

NORTH EATON

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 3.7 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	-0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,617.72	\$328.68	\$316.65	\$1,420.60	\$91.76	\$419.38	\$40.64
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,655.04	\$59.87	\$207.03	\$1,020.83	\$65.94	\$301.36	\$0.00
19	ENGINEERING & INSTALLATION	\$11,161.90	\$230.68	\$1,512.17	\$6,784.03	\$438.19	\$2,002.74	\$194.09
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$15,434.65	\$619.24	\$2,035.85	\$9,225.47	\$595.88	\$2,723.48	\$234.73
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,223.16	\$127.88	\$283.16	\$1,316.10	\$84.25	\$381.59	\$30.17
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$567.44	\$15.91	\$76.88	\$347.12	\$21.93	\$98.03	\$7.57
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$149.19	\$38.09	\$61.58	\$33.05	\$3.55	\$10.75	\$2.17
29	PROPERTY TAX (Ln 12 * Ln 22)	\$248.36	\$9.96	\$32.76	\$148.45	\$9.59	\$43.82	\$3.78
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$3,188.15						
32								
33	COST PER MONTH (Ln 31 / 12)	\$265.68						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$8.51						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$274.18						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop NORTH EATON Facility Length 3.70 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,289.03	\$2,011.75	\$8,919.46	\$10,931.21	\$13,220.25
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,617.72	\$2,015.51	\$9,146.39	\$11,161.90	\$13,779.61
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$316.65	\$278.30	\$1,233.87	\$1,512.17	\$1,828.82
Aerial Cable Investments	2421.20	\$1,420.60	\$1,248.52	\$5,535.52	\$6,784.03	\$8,204.63
Underground Cable Investments	2422.20	\$91.76	\$80.64	\$357.54	\$438.19	\$529.94
Buried Cable Investments	2423.20	\$419.38	\$368.58	\$1,634.16	\$2,002.74	\$2,422.12
Conduit Investments	2441.10	<u>\$40.64</u>	<u>\$35.72</u>	<u>\$158.37</u>	<u>\$194.09</u>	<u>\$234.73</u>
TOTAL 24XX Account		\$2,289.03	\$2,011.75	\$8,919.46	\$10,931.21	\$13,220.25

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

NEVADA

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.78 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,337.68	\$328.68	\$83.48	\$374.53	\$24.15	\$516.14	\$10.70
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$771.84	\$59.87	\$54.58	\$269.13	\$17.35	\$370.90	\$0.00
19	ENGINEERING & INSTALLATION	\$5,068.55	\$230.68	\$400.27	\$1,795.75	\$115.80	\$2,474.75	\$51.29
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$7,178.07	\$619.24	\$538.34	\$2,439.41	\$157.30	\$3,361.79	\$61.99
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,052.00	\$127.88	\$74.88	\$348.01	\$22.24	\$471.03	\$7.97
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$256.82	\$15.91	\$20.33	\$91.78	\$5.79	\$121.00	\$2.00
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$77.89	\$38.09	\$16.28	\$8.74	\$0.94	\$13.27	\$0.57
29	PROPERTY TAX (Ln 12 * Ln 22)	\$115.50	\$9.96	\$8.66	\$39.25	\$2.53	\$54.09	\$1.00
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,502.21						
32								
33	COST PER MONTH (Ln 31 / 12)	\$125.18						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$4.01						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$129.19						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop NEVADA Facility Length 1.78 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,009.00	\$900.83	\$3,937.03	\$4,837.86	\$5,846.86
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,337.68	\$904.59	\$4,163.96	\$5,068.55	\$6,406.23
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$83.48	\$74.53	\$325.74	\$400.27	\$483.76
Aerial Cable Investments	2421.20	\$374.53	\$334.38	\$1,461.37	\$1,795.75	\$2,170.28
Underground Cable Investments	2422.20	\$24.15	\$21.56	\$94.24	\$115.80	\$139.95
Buried Cable Investments	2423.20	\$516.14	\$460.81	\$2,013.94	\$2,474.75	\$2,990.89
Conduit Investments	2441.10	<u>\$10.70</u>	<u>\$9.55</u>	<u>\$41.74</u>	<u>\$51.29</u>	<u>\$61.99</u>
TOTAL 24XX Account		\$1,009.00	\$900.83	\$3,937.03	\$4,837.86	\$5,846.86

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

NEY

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 4.94 Miles

INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$3,268.47	\$328.68	\$335.83	\$1,506.62	\$97.06	\$957.29	\$42.99
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$2,119.74	\$59.87	\$219.57	\$1,082.65	\$69.75	\$687.90	\$0.00
19	ENGINEERING & INSTALLATION	\$13,965.78	\$230.68	\$1,569.03	\$7,039.13	\$453.48	\$4,472.59	\$200.86
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$19,353.99	\$619.24	\$2,124.42	\$9,628.39	\$620.29	\$6,117.79	\$243.86
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,773.17	\$127.88	\$295.48	\$1,373.58	\$87.70	\$857.18	\$31.35
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$709.31	\$15.91	\$80.22	\$362.28	\$22.83	\$220.20	\$7.87
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$166.95	\$38.09	\$64.26	\$34.50	\$3.70	\$24.16	\$2.26
29	PROPERTY TAX (Ln 12 * Ln 22)	\$311.42	\$9.96	\$34.18	\$154.93	\$9.98	\$98.44	\$3.92
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$3,960.85						
32								
33	COST PER MONTH (Ln 31 / 12)	\$330.07						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$10.57						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$340.64						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop NEY Facility Length 4.94 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX,XX	\$2,939.79	\$2,602.00	\$11,133.09	\$13,735.09	\$16,674.88
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$3,268.47	\$2,605.76	\$11,360.02	\$13,965.78	\$17,234.25
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$335.83	\$297.24	\$1,271.79	\$1,569.03	\$1,904.86
Aerial Cable Investments	2421.20	\$1,506.62	\$1,333.50	\$5,705.62	\$7,039.13	\$8,545.75
Underground Cable Investments	2422.20	\$97.06	\$85.91	\$367.57	\$453.48	\$550.54
Buried Cable Investments	2423.20	\$957.29	\$847.30	\$3,625.30	\$4,472.59	\$5,429.88
Conduit Investments	2441.10	<u>\$42.99</u>	<u>\$38.05</u>	<u>\$162.81</u>	<u>\$200.86</u>	<u>\$243.86</u>
TOTAL 24XX Account		\$2,939.79	\$2,602.00	\$11,133.09	\$13,735.09	\$16,674.88

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

NORTH FAIRFIELD

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.87 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,333.89	\$328.68	\$46.91	\$210.45	\$13.62	\$728.20	\$6.03
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$774.84	\$59.87	\$30.67	\$151.23	\$9.79	\$523.28	\$0.00
19	ENGINEERING & INSTALLATION	\$4,949.59	\$230.68	\$220.22	\$987.95	\$63.93	\$3,418.50	\$28.32
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$7,058.32	\$619.24	\$297.80	\$1,349.63	\$87.33	\$4,669.98	\$34.35
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,032.92	\$127.88	\$41.42	\$192.54	\$12.35	\$654.32	\$4.42
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$250.35	\$15.91	\$11.25	\$50.78	\$3.21	\$168.09	\$1.11
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$71.21	\$38.09	\$9.01	\$4.84	\$0.52	\$18.44	\$0.32
29	PROPERTY TAX (Ln 12 * Ln 22)	\$113.58	\$9.96	\$4.79	\$21.72	\$1.41	\$75.14	\$0.55
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,468.05						
32								
33	COST PER MONTH (Ln 31 / 12)	\$122.34						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$3.92						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$126.25						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop NORTH FAIRFIELD Facility Length 1.87 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,005.21	\$905.75	\$3,813.16	\$4,718.91	\$5,724.12

FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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TOTAL all ACCOUNTS

\$1,333.89	\$909.51	\$4,040.08	\$4,949.59	\$6,283.48
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$46.91	\$42.27	\$177.95	\$220.22	\$267.13
Aerial Cable Investments	2421.20	\$210.45	\$189.63	\$798.33	\$987.95	\$1,198.40
Underground Cable Investments	2422.20	\$13.62	\$12.27	\$51.66	\$63.93	\$77.54
Buried Cable Investments	2423.20	\$728.20	\$656.15	\$2,762.35	\$3,418.50	\$4,146.70
Conduit Investments	2441.10	<u>\$6.03</u>	<u>\$5.43</u>	<u>\$22.88</u>	<u>\$28.32</u>	<u>\$34.35</u>
TOTAL 24XX Account		\$1,005.21	\$905.75	\$3,813.16	\$4,718.91	\$5,724.12

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO NORTH GEORGETOWN VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility Facility Length 4.62 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,837.39	\$328.68	\$134.64	\$604.03	\$39.12	\$1,713.59	\$17.33
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,841.44	\$59.87	\$88.03	\$434.05	\$28.11	\$1,231.37	\$0.00
19	ENGINEERING & INSTALLATION	\$11,592.48	\$230.68	\$609.77	\$2,735.63	\$177.18	\$7,760.73	\$78.48
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$16,271.32	\$619.24	\$832.44	\$3,773.72	\$244.42	\$10,705.70	\$95.81
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,328.89	\$127.88	\$115.78	\$538.36	\$34.56	\$1,500.00	\$12.32
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$586.76	\$15.91	\$31.43	\$141.99	\$9.00	\$385.34	\$3.09
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$121.40	\$38.09	\$25.18	\$13.52	\$1.46	\$42.27	\$0.89
29	PROPERTY TAX (Ln 12 * Ln 22)	\$261.82	\$9.96	\$13.39	\$60.72	\$3.93	\$172.27	\$1.54
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$3,298.87						
32								
33	COST PER MONTH (Ln 31 / 12)	\$274.91						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$8.80						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$283.71						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop NORTH GEORGETOWN Facility Length 4.62 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,508.71	\$2,256.57	\$9,105.23	\$11,361.80	\$13,870.51

FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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TOTAL all ACCOUNTS

\$2,837.39	\$2,260.33	\$9,332.15	\$11,592.48	\$14,429.87
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	\$328.68	\$3.76	\$226.92	\$230.68	\$559.36
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$134.64	\$121.11	\$488.67	\$609.77	\$744.41
Aerial Cable Investments	2421.20	\$604.03	\$543.32	\$2,192.30	\$2,735.63	\$3,339.66
Underground Cable Investments	2422.20	\$39.12	\$35.19	\$141.99	\$177.18	\$216.30
Buried Cable Investments	2423.20	\$1,713.59	\$1,541.36	\$6,219.37	\$7,760.73	\$9,474.32
Conduit Investments	2441.10	\$17.33	\$15.59	\$62.89	\$78.48	\$95.81
TOTAL 24XX Account		\$2,508.71	\$2,256.57	\$9,105.23	\$11,361.80	\$13,870.51

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

NORWALK

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.02 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	- 0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,525.29	\$328.68	\$133.22	\$597.67	\$38.51	\$410.16	\$17.06
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$898.86	\$59.87	\$87.10	\$429.48	\$27.67	\$294.74	\$0.00
19	ENGINEERING & INSTALLATION	\$6,008.92	\$230.68	\$643.30	\$2,886.03	\$185.93	\$1,980.61	\$82.36
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$8,433.08	\$619.24	\$863.62	\$3,913.18	\$252.11	\$2,685.51	\$99.41
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,230.95	\$127.88	\$120.12	\$558.25	\$35.64	\$376.27	\$12.78
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$304.91	\$15.91	\$32.61	\$147.24	\$9.28	\$96.66	\$3.21
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$91.25	\$38.09	\$26.12	\$14.02	\$1.50	\$10.60	\$0.92
29	PROPERTY TAX (Ln 12 * Ln 22)	\$135.70	\$9.96	\$13.90	\$62.97	\$4.06	\$43.21	\$1.60
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,762.81						
32								
33	COST PER MONTH (Ln 31 / 12)	\$146.90						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$4.70						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$151.60						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop NORWALK Facility Length 2.02 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,196.61	\$1,059.99	\$4,718.24	\$5,778.24	\$6,974.85
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,525.29	\$1,063.75	\$4,945.17	\$6,008.92	\$7,534.21
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$133.22	\$118.01	\$525.29	\$643.30	\$776.52
Aerial Cable Investments	2421.20	\$597.67	\$529.43	\$2,356.60	\$2,886.03	\$3,483.70
Underground Cable Investments	2422.20	\$38.51	\$34.11	\$151.83	\$185.93	\$224.44
Buried Cable Investments	2423.20	\$410.16	\$363.33	\$1,617.28	\$1,980.61	\$2,390.77
Conduit Investments	2441.10	<u>\$17.06</u>	<u>\$15.11</u>	<u>\$67.25</u>	<u>\$82.36</u>	<u>\$99.41</u>
TOTAL 24XX Account		\$1,196.61	\$1,059.99	\$4,718.24	\$5,778.24	\$6,974.85

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

NORTH STAR

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.8 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,913.19	\$328.68	\$129.33	\$580.19	\$37.40	\$821.02	\$16.57
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,178.21	\$59.87	\$84.55	\$416.92	\$26.88	\$589.98	\$0.00
19	ENGINEERING & INSTALLATION	\$7,639.99	\$230.68	\$604.74	\$2,713.04	\$174.90	\$3,839.15	\$77.47
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$10,731.39	\$619.24	\$818.62	\$3,710.16	\$239.19	\$5,250.15	\$94.04
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,552.55	\$127.88	\$113.86	\$529.29	\$33.82	\$735.61	\$12.09
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$387.23	\$15.91	\$30.91	\$139.60	\$8.80	\$188.97	\$3.03
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$99.17	\$38.09	\$24.76	\$13.29	\$1.43	\$20.73	\$0.87
29	PROPERTY TAX (Ln 12 * Ln 22)	\$172.68	\$9.96	\$13.17	\$59.70	\$3.85	\$84.48	\$1.51
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,211.62						
32								
33	COST PER MONTH (Ln 31 / 12)	\$184.30						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$5.90						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$190.20						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop NORTH STAR Facility Length 2.80 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,584.51	\$1,415.07	\$5,994.24	\$7,409.31	\$8,993.82
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,913.19	\$1,418.82	\$6,221.17	\$7,639.99	\$9,553.18
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$129.33	\$115.50	\$489.24	\$604.74	\$734.06
Aerial Cable Investments	2421.20	\$580.19	\$518.15	\$2,194.89	\$2,713.04	\$3,293.23
Underground Cable Investments	2422.20	\$37.40	\$33.40	\$141.50	\$174.90	\$212.31
Buried Cable Investments	2423.20	\$821.02	\$733.22	\$3,105.93	\$3,839.15	\$4,660.17
Conduit Investments	2441.10	<u>\$16.57</u>	<u>\$14.80</u>	<u>\$62.68</u>	<u>\$77.47</u>	<u>\$94.04</u>
TOTAL 24XX Account		\$1,584.51	\$1,415.07	\$5,994.24	\$7,409.31	\$8,993.82

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

NEW BREMEN

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 0.88 Miles

INVESTMENT / COST FACTORS			Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	<u>INVESTMENT LOADINGS</u>							
3								
4	MATERIAL LOADINGS		0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR							
6								
7	<u>ANNUAL EXPENSE FACTORS</u>							
8								
9	CAPITAL RECOVERY		0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX		0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE		0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX		0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG		0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00	
14									
15	<u>INVESTMENT</u>								
16									
17	EQUIPMENT INVESTMENT		\$877.44	\$328.68	\$78.57	\$352.49	\$22.73	\$84.89	\$10.07
18	MATERIAL LOADINGS (Ln 4 * Ln 17)		\$441.88	\$59.87	\$51.37	\$253.30	\$16.33	\$61.00	\$0.00
19	ENGINEERING & INSTALLATION		\$3,242.39	\$230.68	\$431.22	\$1,934.58	\$124.75	\$465.91	\$55.25
20	SOFTWARE		\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)		\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)		\$4,561.71	\$619.24	\$561.16	\$2,540.38	\$163.81	\$611.80	\$65.32
23									
24	<u>ANNUAL OPERATING EXPENSES</u>								
25									
26	CAPITAL RECOVERY (Ln 9 * Ln 22)		\$685.62	\$127.88	\$78.05	\$362.41	\$23.16	\$85.72	\$8.40
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)		\$162.84	\$15.91	\$21.19	\$95.58	\$6.03	\$22.02	\$2.11
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)		\$68.16	\$38.09	\$16.97	\$9.10	\$0.98	\$2.42	\$0.60
29	PROPERTY TAX (Ln 12 * Ln 22)		\$73.40	\$9.96	\$9.03	\$40.88	\$2.64	\$9.84	\$1.05
30									
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)		\$990.02						
32									
33	COST PER MONTH (Ln 31 / 12)		\$82.50						
34									
35									
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)		\$2.64						
37									
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)		\$85.14						
39									

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop NEW BREMEN Facility Length 0.88 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$548.75	\$481.57	\$2,530.13	\$3,011.71	\$3,560.46

FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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TOTAL all ACCOUNTS

\$877.44	\$485.33	\$2,757.06	\$3,242.39	\$4,119.83
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$78.57	\$68.95	\$362.27	\$431.22	\$509.79
Aerial Cable Investments	2421.20	\$352.49	\$309.34	\$1,625.24	\$1,934.58	\$2,287.08
Underground Cable Investments	2422.20	\$22.73	\$19.95	\$104.80	\$124.75	\$147.48
Buried Cable Investments	2423.20	\$84.89	\$74.50	\$391.41	\$465.91	\$550.80
Conduit Investments	2441.10	<u>\$10.07</u>	<u>\$8.84</u>	<u>\$46.42</u>	<u>\$55.25</u>	<u>\$65.32</u>
TOTAL 24XX Account		\$548.75	\$481.57	\$2,530.13	\$3,011.71	\$3,560.46

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

NEW CONCORD

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.98 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,539.63	\$328.68	\$159.00	\$713.33	\$46.01	\$272.23	\$20.38
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$905.11	\$59.87	\$103.96	\$512.59	\$33.06	\$195.62	\$0.00
19	ENGINEERING & INSTALLATION	\$6,148.82	\$230.68	\$777.07	\$3,486.18	\$224.85	\$1,330.45	\$99.59
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$8,593.56	\$619.24	\$1,040.03	\$4,712.10	\$303.92	\$1,798.30	\$119.97
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,255.12	\$127.88	\$144.65	\$672.23	\$42.97	\$251.96	\$15.42
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$312.27	\$15.91	\$39.27	\$177.30	\$11.19	\$64.73	\$3.87
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$96.45	\$38.09	\$31.46	\$16.88	\$1.81	\$7.10	\$1.11
29	PROPERTY TAX (Ln 12 * Ln 22)	\$138.28	\$9.96	\$16.74	\$75.82	\$4.89	\$28.94	\$1.93
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,802.11						
32								
33	COST PER MONTH (Ln 31 / 12)	\$150.18						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$4.81						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$154.98						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop NEW CONCORD Facility Length 1.98 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,210.95	\$1,066.50	\$4,851.64	\$5,918.14	\$7,129.09
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,539.63	\$1,070.26	\$5,078.56	\$6,148.82	\$7,688.46
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$159.00	\$140.04	\$637.04	\$777.07	\$936.07
Aerial Cable Investments	2421.20	\$713.33	\$628.24	\$2,857.94	\$3,486.18	\$4,199.51
Underground Cable Investments	2422.20	\$46.01	\$40.52	\$184.33	\$224.85	\$270.86
Buried Cable Investments	2423.20	\$272.23	\$239.76	\$1,090.69	\$1,330.45	\$1,602.68
Conduit Investments	2441.10	<u>\$20.38</u>	<u>\$17.95</u>	<u>\$81.65</u>	<u>\$99.59</u>	<u>\$119.97</u>
TOTAL 24XX Account		\$1,210.95	\$1,066.50	\$4,851.64	\$5,918.14	\$7,129.09

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

NEW LEBANON

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.28 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,132.91	\$328.68	\$118.81	\$533.00	\$34.38	\$102.81	\$15.23
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$619.15	\$59.87	\$77.68	\$383.01	\$24.71	\$73.88	\$0.00
19	ENGINEERING & INSTALLATION	\$4,320.74	\$230.68	\$604.22	\$2,710.69	\$174.85	\$522.85	\$77.45
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$6,072.80	\$619.24	\$800.70	\$3,626.71	\$233.94	\$699.53	\$92.68
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$899.64	\$127.88	\$111.37	\$517.39	\$33.08	\$98.01	\$11.91
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$219.38	\$15.91	\$30.24	\$136.46	\$8.61	\$25.18	\$2.99
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$80.31	\$38.09	\$24.22	\$12.99	\$1.39	\$2.76	\$0.86
29	PROPERTY TAX (Ln 12 * Ln 22)	\$97.72	\$9.96	\$12.88	\$58.36	\$3.76	\$11.26	\$1.49
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,297.05						
32								
33	COST PER MONTH (Ln 31 / 12)	\$108.09						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$3.46						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$111.55						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop NEW LEBANON Facility Length 1.28 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$804.23	\$704.79	\$3,385.27	\$4,090.06	\$4,894.28
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,132.91	\$708.55	\$3,612.19	\$4,320.74	\$5,453.65
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$118.81	\$104.12	\$500.10	\$604.22	\$723.02
Aerial Cable Investments	2421.20	\$533.00	\$467.10	\$2,243.59	\$2,710.69	\$3,243.70
Underground Cable Investments	2422.20	\$34.38	\$30.13	\$144.72	\$174.85	\$209.23
Buried Cable Investments	2423.20	\$102.81	\$90.10	\$432.75	\$522.85	\$625.65
Conduit Investments	2441.10	<u>\$15.23</u>	<u>\$13.35</u>	<u>\$64.10</u>	<u>\$77.45</u>	<u>\$92.68</u>
TOTAL 24XX Account		\$804.23	\$704.79	\$3,385.27	\$4,090.06	\$4,894.28

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

NEW LONDON

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.92 Miles

INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,393.28	\$328.68	\$72.35	\$324.58	\$20.94	\$637.46	\$9.27
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$813.53	\$59.87	\$47.30	\$233.24	\$15.05	\$458.07	\$0.00
19	ENGINEERING & INSTALLATION	\$5,272.56	\$230.68	\$342.64	\$1,537.18	\$99.16	\$3,018.97	\$43.92
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$7,479.36	\$619.24	\$462.29	\$2,095.00	\$135.14	\$4,114.50	\$53.19
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,093.49	\$127.88	\$64.30	\$298.87	\$19.11	\$576.49	\$6.84
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$266.98	\$15.91	\$17.46	\$78.83	\$4.97	\$148.10	\$1.72
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$77.12	\$38.09	\$13.98	\$7.51	\$0.81	\$16.25	\$0.49
29	PROPERTY TAX (Ln 12 * Ln 22)	\$120.35	\$9.96	\$7.44	\$33.71	\$2.17	\$66.21	\$0.86
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,557.94						
32								
33	COST PER MONTH (Ln 31 / 12)	\$129.83						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$4.16						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$133.98						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop NEW LONDON Facility Length 1.92 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,064.59	\$954.14	\$4,087.73	\$5,041.87	\$6,106.47
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,393.28	\$957.90	\$4,314.66	\$5,272.56	\$6,665.83
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$72.35	\$64.84	\$277.80	\$342.64	\$414.99
Aerial Cable Investments	2421.20	\$324.58	\$290.90	\$1,246.28	\$1,537.18	\$1,861.76
Underground Cable Investments	2422.20	\$20.94	\$18.77	\$80.39	\$99.16	\$120.10
Buried Cable Investments	2423.20	\$637.46	\$571.32	\$2,447.65	\$3,018.97	\$3,656.43
Conduit Investments	2441.10	<u>\$9.27</u>	<u>\$8.31</u>	<u>\$35.61</u>	<u>\$43.92</u>	<u>\$53.19</u>
TOTAL 24XX Account		\$1,064.59	\$954.14	\$4,087.73	\$5,041.87	\$6,106.47

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

NEW MARSHFIELD

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.71 Miles

INVESTMENT / COST FACTORS			Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	<u>INVESTMENT LOADINGS</u>							
3								
4	MATERIAL LOADINGS		0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR							
6								
7	<u>ANNUAL EXPENSE FACTORS</u>							
8								
9	CAPITAL RECOVERY		0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX		0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE		0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX		0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG		0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00	
14									
15	<u>INVESTMENT</u>								
16									
17	EQUIPMENT INVESTMENT		\$1,829.74	\$328.68	\$100.92	\$452.77	\$29.27	\$905.13	\$12.96
18	MATERIAL LOADINGS (Ln 4 * Ln 17)		\$1,122.67	\$59.87	\$65.98	\$325.36	\$21.03	\$650.42	\$0.00
19	ENGINEERING & INSTALLATION		\$7,207.52	\$230.68	\$469.09	\$2,104.46	\$136.04	\$4,206.99	\$60.26
20	SOFTWARE		\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)		\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)		\$10,159.92	\$619.24	\$635.99	\$2,882.59	\$186.34	\$5,762.53	\$73.22
23									
24	<u>ANNUAL OPERATING EXPENSES</u>								
25									
26	CAPITAL RECOVERY (Ln 9 * Ln 22)		\$1,470.73	\$127.88	\$88.46	\$411.23	\$26.35	\$807.40	\$9.41
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)		\$365.02	\$15.91	\$24.02	\$108.46	\$6.86	\$207.41	\$2.36
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)		\$92.19	\$38.09	\$19.24	\$10.33	\$1.11	\$22.75	\$0.68
29	PROPERTY TAX (Ln 12 * Ln 22)		\$163.48	\$9.96	\$10.23	\$46.38	\$3.00	\$92.72	\$1.18
30									
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)		\$2,091.43						
32									
33	COST PER MONTH (Ln 31 / 12)		\$174.29						
34									
35									
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)		\$5.58						
37									
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)		\$179.87						
39									

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop NEW MARSHFIELD Facility Length 2.71 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,501.05	\$1,345.57	\$5,631.27	\$6,976.84	\$8,477.89
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,829.74	\$1,349.33	\$5,858.19	\$7,207.52	\$9,037.26
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$100.92	\$90.47	\$378.62	\$469.09	\$570.01
Aerial Cable Investments	2421.20	\$452.77	\$405.87	\$1,698.59	\$2,104.46	\$2,557.23
Underground Cable Investments	2422.20	\$29.27	\$26.24	\$109.80	\$136.04	\$165.31
Buried Cable Investments	2423.20	\$905.13	\$811.37	\$3,395.62	\$4,206.99	\$5,112.12
Conduit Investments	2441.10	<u>\$12.96</u>	<u>\$11.62</u>	<u>\$48.64</u>	<u>\$60.26</u>	<u>\$73.22</u>
TOTAL 24XX Account		\$1,501.05	\$1,345.57	\$5,631.27	\$6,976.84	\$8,477.89

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO NEW PHILADELPHIA-GTD5 VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 3.43 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungrnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,459.34	\$328.68	\$300.04	\$1,346.06	\$86.92	\$359.14	\$38.50
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,543.85	\$59.87	\$196.17	\$967.27	\$62.46	\$258.08	\$0.00
19	ENGINEERING & INSTALLATION	\$10,445.51	\$230.68	\$1,438.45	\$6,453.31	\$416.70	\$1,721.80	\$184.57
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$14,448.70	\$619.24	\$1,934.66	\$8,766.64	\$566.08	\$2,339.02	\$223.07
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,084.05	\$127.88	\$269.08	\$1,250.65	\$80.04	\$327.72	\$28.67
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$531.04	\$15.91	\$73.06	\$329.85	\$20.84	\$84.19	\$7.20
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$142.69	\$38.09	\$58.52	\$31.41	\$3.38	\$9.24	\$2.06
29	PROPERTY TAX (Ln 12 * Ln 22)	\$232.49	\$9.96	\$31.13	\$141.06	\$9.11	\$37.64	\$3.59
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,990.27						
32								
33	COST PER MONTH (Ln 31 / 12)	\$249.19						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$7.98						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$257.17						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop NEW PHILADELPHIA-GTD5 Facility Length 3.43 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,130.66	\$1,871.15	\$8,343.68	\$10,214.83	\$12,345.49
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,459.34	\$1,874.91	\$8,570.60	\$10,445.51	\$12,904.85
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$300.04	\$263.50	\$1,174.95	\$1,438.45	\$1,738.49
Aerial Cable Investments	2421.20	\$1,346.06	\$1,182.12	\$5,271.19	\$6,453.31	\$7,799.37
Underground Cable Investments	2422.20	\$86.92	\$76.33	\$340.37	\$416.70	\$503.62
Buried Cable Investments	2423.20	\$359.14	\$315.40	\$1,406.40	\$1,721.80	\$2,080.94
Conduit Investments	2441.10	<u>\$38.50</u>	<u>\$33.81</u>	<u>\$150.76</u>	<u>\$184.57</u>	<u>\$223.07</u>
TOTAL 24XX Account		\$2,130.66	\$1,871.15	\$8,343.68	\$10,214.83	\$12,345.49

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO NEW PHILADELPHIA-5ESS VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 4.19 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungrnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,931.44	\$328.68	\$366.52	\$1,644.31	\$106.18	\$438.72	\$47.03
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,872.66	\$59.87	\$239.64	\$1,181.59	\$76.30	\$315.26	\$0.00
19	ENGINEERING & INSTALLATION	\$12,632.21	\$230.68	\$1,746.38	\$7,834.77	\$505.91	\$2,090.39	\$224.09
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$17,436.30	\$619.24	\$2,352.53	\$10,660.68	\$688.38	\$2,844.36	\$271.11
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,506.64	\$127.88	\$327.21	\$1,520.85	\$97.33	\$398.53	\$34.85
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$642.33	\$15.91	\$88.84	\$401.12	\$25.34	\$102.38	\$8.75
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$165.28	\$38.09	\$71.16	\$38.20	\$4.10	\$11.23	\$2.51
29	PROPERTY TAX (Ln 12 * Ln 22)	\$280.57	\$9.96	\$37.85	\$171.54	\$11.08	\$45.77	\$4.36
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$3,594.82						
32								
33	COST PER MONTH (Ln 31 / 12)	\$299.57						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$9.59						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$309.16						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop NEW PHILADELPHIA-SESS Facility Length 4.19 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,602.75	\$2,285.75	\$10,115.77	\$12,401.53	\$15,004.28
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,931.44	\$2,289.51	\$10,342.70	\$12,632.21	\$15,563.65
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$366.52	\$321.88	\$1,424.50	\$1,746.38	\$2,112.90
Aerial Cable Investments	2421.20	\$1,644.31	\$1,444.04	\$6,390.73	\$7,834.77	\$9,479.08
Underground Cable Investments	2422.20	\$106.18	\$93.24	\$412.66	\$505.91	\$612.08
Buried Cable Investments	2423.20	\$438.72	\$385.28	\$1,705.10	\$2,090.39	\$2,529.10
Conduit Investments	2441.10	<u>\$47.03</u>	<u>\$41.30</u>	<u>\$182.78</u>	<u>\$224.09</u>	<u>\$271.11</u>
TOTAL 24XX Account		\$2,602.75	\$2,285.75	\$10,115.77	\$12,401.53	\$15,004.28

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

NEW WASHINGTON

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 0.73 Miles

INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$729.41	\$328.68	\$24.50	\$109.91	\$7.09	\$256.09	\$3.14
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$343.99	\$59.87	\$16.02	\$78.98	\$5.09	\$184.02	\$0.00
19	ENGINEERING & INSTALLATION	\$2,315.74	\$230.68	\$127.48	\$571.89	\$36.88	\$1,332.47	\$16.34
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$3,389.14	\$619.24	\$167.99	\$760.78	\$49.07	\$1,772.58	\$19.48
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$517.58	\$127.88	\$23.37	\$108.53	\$6.94	\$248.36	\$2.50
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$117.12	\$15.91	\$6.34	\$28.63	\$1.81	\$63.80	\$0.63
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$53.36	\$38.09	\$5.08	\$2.73	\$0.29	\$7.00	\$0.18
29	PROPERTY TAX (Ln 12 * Ln 22)	\$54.53	\$9.96	\$2.70	\$12.24	\$0.79	\$28.52	\$0.31
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$742.60						
32								
33	COST PER MONTH (Ln 31 / 12)	\$61.88						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$1.98						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$63.86						
39								

Unbundled Loop Element Cost Study

OHIO

INVESTMENT SUMMARY

Fiber Loop NEW WASHINGTON Facility Length 0.73 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$400.72	\$359.77	\$1,725.29	\$2,085.06	\$2,485.78
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$729.41	\$363.53	\$1,952.21	\$2,315.74	\$3,045.15
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$24.50	\$22.00	\$105.48	\$127.48	\$151.97
Aerial Cable Investments	2421.20	\$109.91	\$98.68	\$473.21	\$571.89	\$681.80
Underground Cable Investments	2422.20	\$7.09	\$6.36	\$30.52	\$36.88	\$43.97
Buried Cable Investments	2423.20	\$256.09	\$229.92	\$1,102.56	\$1,332.47	\$1,588.56
Conduit Investments	2441.10	<u>\$3.14</u>	<u>\$2.82</u>	<u>\$13.52</u>	<u>\$16.34</u>	<u>\$19.48</u>
TOTAL 24XX Account		\$400.72	\$359.77	\$1,725.29	\$2,085.06	\$2,485.78

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

NEW VIENNA

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 3.5 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,364.83	\$328.68	\$203.05	\$910.95	\$58.73	\$837.40	\$26.01
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,491.19	\$59.87	\$132.76	\$654.60	\$42.20	\$601.75	\$0.00
19	ENGINEERING & INSTALLATION	\$9,762.30	\$230.68	\$950.53	\$4,264.34	\$274.93	\$3,920.05	\$121.78
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$13,618.32	\$619.24	\$1,286.34	\$5,829.90	\$375.86	\$5,359.20	\$147.79
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,961.51	\$127.88	\$178.91	\$831.69	\$53.14	\$750.89	\$19.00
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$495.34	\$15.91	\$48.57	\$219.35	\$13.84	\$192.90	\$4.77
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$122.65	\$38.09	\$38.91	\$20.89	\$2.24	\$21.16	\$1.37
29	PROPERTY TAX (Ln 12 * Ln 22)	\$219.13	\$9.96	\$20.70	\$93.81	\$6.05	\$86.23	\$2.38
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,798.64						
32								
33	COST PER MONTH (Ln 31 / 12)	\$233.22						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$7.47						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$240.69						
39								

**Unbundled Loop Element Cost Study
OHIO**

INVESTMENT SUMMARY

Fiber Loop NEW VIENNA Facility Length 3.50 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,036.15	\$1,809.54	\$7,722.07	\$9,531.61	\$11,567.77
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,364.83	\$1,813.30	\$7,949.00	\$9,762.30	\$12,127.13
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$203.05	\$180.45	\$770.07	\$950.53	\$1,153.58
Aerial Cable Investments	2421.20	\$910.95	\$809.57	\$3,454.77	\$4,264.34	\$5,175.29
Underground Cable Investments	2422.20	\$58.73	\$52.19	\$222.73	\$274.93	\$333.66
Buried Cable Investments	2423.20	\$837.40	\$744.21	\$3,175.84	\$3,920.05	\$4,757.45
Conduit Investments	2441.10	<u>\$26.01</u>	<u>\$23.12</u>	<u>\$98.66</u>	<u>\$121.78</u>	<u>\$147.79</u>
TOTAL 24XX Account		\$2,036.15	\$1,809.54	\$7,722.07	\$9,531.61	\$11,567.77

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

OBERLIN

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.51 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungrnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESAL	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,229.34	\$328.68	\$104.18	\$467.37	\$30.15	\$285.61	\$13.35
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$690.74	\$59.87	\$68.11	\$335.85	\$21.67	\$205.24	\$0.00
19	ENGINEERING & INSTALLATION	\$4,674.48	\$230.68	\$514.00	\$2,305.98	\$148.76	\$1,409.16	\$65.89
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$6,594.56	\$619.24	\$686.29	\$3,109.20	\$200.58	\$1,900.01	\$79.25
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$971.65	\$127.88	\$95.45	\$443.56	\$28.36	\$266.21	\$10.19
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$237.14	\$15.91	\$25.92	\$116.99	\$7.38	\$68.39	\$2.56
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$79.42	\$38.09	\$20.76	\$11.14	\$1.20	\$7.50	\$0.73
29	PROPERTY TAX (Ln 12 * Ln 22)	\$106.11	\$9.96	\$11.04	\$50.03	\$3.23	\$30.57	\$1.28
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,394.32						
32								
33	COST PER MONTH (Ln 31 / 12)	\$116.19						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$3.72						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$119.91						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop OBERLIN Facility Length 1.51 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$900.66	\$796.85	\$3,646.95	\$4,443.80	\$5,344.46
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,229.34	\$800.60	\$3,873.88	\$4,674.48	\$5,903.82
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$104.18	\$92.17	\$421.84	\$514.00	\$618.18
Aerial Cable Investments	2421.20	\$467.37	\$413.50	\$1,892.48	\$2,305.98	\$2,773.35
Underground Cable Investments	2422.20	\$30.15	\$26.68	\$122.09	\$148.76	\$178.91
Buried Cable Investments	2423.20	\$285.61	\$252.69	\$1,156.48	\$1,409.16	\$1,694.77
Conduit Investments	2441.10	<u>\$13.35</u>	<u>\$11.82</u>	<u>\$54.08</u>	<u>\$65.89</u>	<u>\$79.25</u>
TOTAL 24XX Account		\$900.66	\$796.85	\$3,646.95	\$4,443.80	\$5,344.46

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

OHIO CITY

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.73 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,887.66	\$328.68	\$136.60	\$612.82	\$39.48	\$752.60	\$17.49
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,158.73	\$59.87	\$89.31	\$440.37	\$28.37	\$540.82	\$0.00
19	ENGINEERING & INSTALLATION	\$7,551.81	\$230.68	\$641.47	\$2,877.85	\$185.39	\$3,534.30	\$82.12
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$10,598.20	\$619.24	\$867.38	\$3,931.03	\$253.24	\$4,827.72	\$99.60
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,534.35	\$127.88	\$120.64	\$560.80	\$35.80	\$676.42	\$12.80
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$382.87	\$15.91	\$32.75	\$147.91	\$9.32	\$173.77	\$3.21
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$99.90	\$38.09	\$26.24	\$14.08	\$1.51	\$19.06	\$0.92
29	PROPERTY TAX (Ln 12 * Ln 22)	\$170.54	\$9.96	\$13.96	\$63.25	\$4.07	\$77.68	\$1.60
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,187.66						
32								
33	COST PER MONTH (Ln 31 / 12)	\$182.31						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$5.84						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$188.14						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop OHIO CITY Facility Length 2.73 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,558.98	\$1,390.04	\$5,931.09	\$7,321.13	\$8,880.11
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,887.66	\$1,393.80	\$6,158.01	\$7,551.81	\$9,439.47
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$136.60	\$121.79	\$519.68	\$641.47	\$778.07
Aerial Cable Investments	2421.20	\$612.82	\$546.41	\$2,331.44	\$2,877.85	\$3,490.66
Underground Cable Investments	2422.20	\$39.48	\$35.20	\$150.19	\$185.39	\$224.87
Buried Cable Investments	2423.20	\$752.60	\$671.05	\$2,863.25	\$3,534.30	\$4,286.90
Conduit Investments	2441.10	<u>\$17.49</u>	<u>\$15.59</u>	<u>\$66.53</u>	<u>\$82.12</u>	<u>\$99.60</u>
TOTAL 24XX Account		\$1,558.98	\$1,390.04	\$5,931.09	\$7,321.13	\$8,880.11

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

OAK HILL

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.13 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,579.44	\$328.68	\$132.25	\$593.31	\$38.22	\$470.04	\$16.93
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$937.93	\$59.87	\$86.47	\$426.35	\$27.47	\$337.77	\$0.00
19	ENGINEERING & INSTALLATION	\$6,234.39	\$230.68	\$634.80	\$2,847.92	\$183.48	\$2,256.23	\$81.27
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$8,751.76	\$619.24	\$853.52	\$3,867.58	\$249.17	\$3,064.05	\$98.20
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,275.51	\$127.88	\$118.71	\$551.75	\$35.23	\$429.31	\$12.62
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$316.29	\$15.91	\$32.23	\$145.52	\$9.17	\$110.29	\$3.17
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$92.25	\$38.09	\$25.82	\$13.86	\$1.49	\$12.10	\$0.91
29	PROPERTY TAX (Ln 12 * Ln 22)	\$140.82	\$9.96	\$13.73	\$62.23	\$4.01	\$49.30	\$1.58
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,824.87						
32								
33	COST PER MONTH (Ln 31 / 12)	\$152.07						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$4.87						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$156.94						
39								

INVESTMENT SUMMARY

SYSTEM INVESTMENT

FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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\$1,579.44	\$1,113.46	\$5,120.93	\$6,234.39	\$7,813.83
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	MATERIAL	ENGINEER	INSTALL	E&I	
FCC ACCT	COST	COST	COST	TOTAL	TOTAL
2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
	\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

	MATERIAL	ENGINEER	INSTALL	E&I	
FCC ACCT	COST	COST	COST	TOTAL	TOTAL
2411.10	\$132.25	\$117.33	\$517.47	\$634.80	\$767.05
2421.20	\$593.31	\$526.40	\$2,321.52	\$2,847.92	\$3,441.23
2422.20	\$38.22	\$33.91	\$149.57	\$183.48	\$221.71
2423.20	\$470.04	\$417.03	\$1,839.20	\$2,256.23	\$2,726.28
2441.10	<u>\$16.93</u>	<u>\$15.02</u>	<u>\$66.25</u>	<u>\$81.27</u>	<u>\$98.20</u>
	\$1,250.76	\$1,109.70	\$4,894.00	\$6,003.71	\$7,254.46

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

OAK HARBOR

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 3.92 Miles

INVESTMENT / COST FACTORS			Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	<u>INVESTMENT LOADINGS</u>							
3								
4	MATERIAL LOADINGS		0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR							
6								
7	<u>ANNUAL EXPENSE FACTORS</u>							
8								
9	CAPITAL RECOVERY		0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX		0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE		0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX		0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG		0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT		\$2,598.70	\$328.68	\$219.61	\$985.26	\$63.50	\$973.53
18	MATERIAL LOADINGS (Ln 4 * Ln 17)		\$1,656.66	\$59.87	\$143.59	\$708.00	\$45.63	\$699.57
19	ENGINEERING & INSTALLATION		\$10,800.62	\$230.68	\$1,022.59	\$4,587.66	\$295.67	\$4,533.04
20	SOFTWARE		\$0.00					
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)		\$0.00					
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)		\$15,055.98	\$619.24	\$1,385.79	\$6,280.91	\$404.80	\$6,206.14
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)		\$2,163.90	\$127.88	\$192.75	\$896.03	\$57.23	\$869.55
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)		\$547.98	\$15.91	\$52.33	\$236.32	\$14.90	\$223.38
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)		\$130.90	\$38.09	\$41.92	\$22.50	\$2.41	\$24.50
29	PROPERTY TAX (Ln 12 * Ln 22)		\$242.27	\$9.96	\$22.30	\$101.07	\$6.51	\$99.86
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)		\$3,085.04					
32								
33	COST PER MONTH (Ln 31 / 12)		\$257.09					
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)		\$8.23					
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)		\$265.32					
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop OAK HARBOR Facility Length 3.92 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,270.02	\$2,019.03	\$8,550.90	\$10,569.93	\$12,839.96
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,598.70	\$2,022.79	\$8,777.83	\$10,800.62	\$13,399.32
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$219.61	\$195.33	\$827.26	\$1,022.59	\$1,242.21
Aerial Cable Investments	2421.20	\$985.26	\$876.32	\$3,711.34	\$4,587.66	\$5,572.91
Underground Cable Investments	2422.20	\$63.50	\$56.48	\$239.20	\$295.67	\$359.17
Buried Cable Investments	2423.20	\$973.53	\$865.89	\$3,667.16	\$4,533.04	\$5,506.57
Conduit Investments	2441.10	<u>\$28.13</u>	<u>\$25.02</u>	<u>\$105.95</u>	<u>\$130.97</u>	<u>\$159.09</u>
TOTAL 24XX Account		\$2,270.02	\$2,019.03	\$8,550.90	\$10,569.93	\$12,839.96

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

OSTRANDER

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 3.62 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	- 0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,268.31	\$328.68	\$86.12	\$386.35	\$25.06	\$1,431.00	\$11.10
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,440.12	\$59.87	\$56.31	\$277.63	\$18.01	\$1,028.31	\$0.00
19	ENGINEERING & INSTALLATION	\$9,039.53	\$230.68	\$391.11	\$1,754.63	\$113.80	\$6,498.91	\$50.40
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$12,747.96	\$619.24	\$533.53	\$2,418.61	\$156.86	\$8,958.22	\$61.50
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,832.37	\$127.88	\$74.21	\$345.04	\$22.18	\$1,255.15	\$7.91
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$457.26	\$15.91	\$20.15	\$91.00	\$5.77	\$322.44	\$1.98
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$99.76	\$38.09	\$16.14	\$8.67	\$0.94	\$35.37	\$0.57
29	PROPERTY TAX (Ln 12 * Ln 22)	\$205.13	\$9.96	\$8.59	\$38.92	\$2.52	\$144.15	\$0.99
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,594.52						
32								
33	COST PER MONTH (Ln 31 / 12)	\$216.21						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$6.92						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$223.13						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop OSTRANDER Facility Length 3.62 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,939.63	\$1,748.68	\$7,060.17	\$8,808.85	\$10,748.48
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,268.31	\$1,752.43	\$7,287.10	\$9,039.53	\$11,307.84
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$86.12	\$77.64	\$313.47	\$391.11	\$477.23
Aerial Cable Investments	2421.20	\$386.35	\$348.32	\$1,406.31	\$1,754.63	\$2,140.98
Underground Cable Investments	2422.20	\$25.06	\$22.59	\$91.21	\$113.80	\$138.85
Buried Cable Investments	2423.20	\$1,431.00	\$1,290.12	\$5,208.79	\$6,498.91	\$7,929.91
Conduit Investments	2441.10	<u>\$11.10</u>	<u>\$10.01</u>	<u>\$40.40</u>	<u>\$50.40</u>	<u>\$61.50</u>
TOTAL 24XX Account		\$1,939.63	\$1,748.68	\$7,060.17	\$8,808.85	\$10,748.48

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

OTWAY

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 7.89 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$5,254.52	\$328.68	\$784.35	\$3,518.82	\$227.10	\$294.99	\$100.59
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$3,476.46	\$59.87	\$512.82	\$2,528.60	\$163.19	\$211.98	\$0.00
19	ENGINEERING & INSTALLATION	\$23,663.04	\$230.68	\$3,731.16	\$16,739.11	\$1,080.31	\$1,403.26	\$478.51
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$32,394.02	\$619.24	\$5,028.33	\$22,786.53	\$1,470.61	\$1,910.22	\$579.10
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$4,627.98	\$127.88	\$699.37	\$3,250.72	\$207.92	\$267.64	\$74.44
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$1,204.72	\$15.91	\$189.88	\$857.36	\$54.13	\$68.76	\$18.68
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$293.48	\$38.09	\$152.09	\$81.64	\$8.77	\$7.54	\$5.36
29	PROPERTY TAX (Ln 12 * Ln 22)	\$521.25	\$9.96	\$80.91	\$366.66	\$23.66	\$30.74	\$9.32
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$6,647.44						
32								
33	COST PER MONTH (Ln 31 / 12)	\$553.95						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$17.73						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$571.69						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop OTWAY Facility Length 7.69 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$4,925.84	\$4,301.27	\$19,131.08	\$23,432.35	\$28,358.20
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$5,254.52	\$4,305.03	\$19,358.01	\$23,663.04	\$28,917.56
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$784.35	\$684.90	\$3,046.27	\$3,731.16	\$4,515.51
Aerial Cable Investments	2421.20	\$3,518.82	\$3,072.65	\$13,666.46	\$16,739.11	\$20,257.93
Underground Cable Investments	2422.20	\$227.10	\$198.30	\$882.01	\$1,080.31	\$1,307.41
Buried Cable Investments	2423.20	\$294.99	\$257.58	\$1,145.67	\$1,403.26	\$1,698.24
Conduit Investments	2441.10	<u>\$100.59</u>	<u>\$87.84</u>	<u>\$390.68</u>	<u>\$478.51</u>	<u>\$579.10</u>
TOTAL 24XX Account		\$4,925.84	\$4,301.27	\$19,131.08	\$23,432.35	\$28,358.20

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

OXFORD

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.78 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,447.26	\$328.68	\$165.35	\$741.79	\$47.91	\$142.32	\$21.22
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$837.72	\$59.87	\$108.11	\$533.05	\$34.42	\$102.27	\$0.00
19	ENGINEERING & INSTALLATION	\$5,783.33	\$230.68	\$820.78	\$3,682.26	\$237.80	\$706.47	\$105.33
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$8,068.31	\$619.24	\$1,094.23	\$4,957.10	\$320.13	\$951.06	\$126.55
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,182.04	\$127.88	\$152.19	\$707.18	\$45.26	\$133.25	\$16.27
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$293.84	\$15.91	\$41.32	\$186.51	\$11.78	\$34.23	\$4.08
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$95.78	\$38.09	\$33.10	\$17.76	\$1.91	\$3.76	\$1.17
29	PROPERTY TAX (Ln 12 * Ln 22)	\$129.83	\$9.96	\$17.61	\$79.76	\$5.15	\$15.30	\$2.04
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,701.49						
32								
33	COST PER MONTH (Ln 31 / 12)	\$141.79						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$4.54						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$146.33						
39								

Unbundled Loop Element Cost Study

OHIO

INVESTMENT SUMMARY

Fiber Loop	OXFORD	Facility Length	1.78	Miles
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SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,118.58	\$980.24	\$4,572.41	\$5,552.65	\$6,671.23
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS	\$1,447.26	\$984.00	\$4,799.33	\$5,783.33	\$7,230.59
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BREAKOUT OF 2232.xx INVESTMENT

REAKOUT OF 2232.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

REAKOUT OF 24xx.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
Pole Investments	2411.10	\$165.35	\$144.90	\$675.88	\$820.78	\$986.13
Aerial Cable Investments	2421.20	\$741.79	\$650.05	\$3,032.21	\$3,682.26	\$4,424.05
Underground Cable Investments	2422.20	\$47.91	\$41.98	\$195.82	\$237.80	\$285.71
Buried Cable Investments	2423.20	\$142.32	\$124.72	\$581.75	\$706.47	\$848.79
Conduit Investments	2441.10	<u>\$21.22</u>	<u>\$18.59</u>	<u>\$86.74</u>	<u>\$105.33</u>	<u>\$126.55</u>
TOTAL 24XX Account		\$1,118.58	\$980.24	\$4,572.41	\$5,552.65	\$6,671.23

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PARIS

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 4.19 Miles

INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1 <u>INVESTMENT LOADINGS</u>							
2							
3							
4 MATERIAL LOADINGS		0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5 INVESTMENT FACTOR							
6							
7 <u>ANNUAL EXPENSE FACTORS</u>							
8							
9 CAPITAL RECOVERY		0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10 COMPOSITE INCOME TAX		0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11 MAINTENANCE & SUPPORT	WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12 PROPERTY TAX		0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13 SALES, ADV, MKTG	0.03202						

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15 <u>INVESTMENT</u>								
16								
17 EQUIPMENT INVESTMENT		\$2,893.63	\$328.68	\$338.28	\$1,517.64	\$97.81	\$567.89	\$43.33
18 MATERIAL LOADINGS	(Ln 4 * Ln 17)	\$1,849.98	\$59.87	\$221.17	\$1,090.57	\$70.29	\$408.08	\$0.00
19 ENGINEERING & INSTALLATION		\$12,388.56	\$230.68	\$1,603.47	\$7,193.63	\$463.64	\$2,691.79	\$205.36
20 SOFTWARE		\$0.00						
21 INVESTMENT FACTOR	(Ln 5 * Lns 17-19)	\$0.00						
22 TOTAL INVESTMENT	(Sum Ln 17..Ln 21)	\$17,132.18	\$619.24	\$2,162.92	\$9,801.83	\$631.74	\$3,667.76	\$248.69
23								
24 <u>ANNUAL OPERATING EXPENSES</u>								
25								
26 CAPITAL RECOVERY	(Ln 9 * Ln 22)	\$2,462.23	\$127.88	\$300.83	\$1,398.33	\$89.32	\$513.90	\$31.97
27 COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	\$629.68	\$15.91	\$81.68	\$368.80	\$23.25	\$132.02	\$8.02
28 MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	\$159.17	\$38.09	\$65.42	\$35.12	\$3.77	\$14.48	\$2.30
29 PROPERTY TAX	(Ln 12 * Ln 22)	\$275.67	\$9.96	\$34.80	\$157.72	\$10.17	\$59.02	\$4.00
30								
31 TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)	\$3,526.76						
32								
33 COST PER MONTH	(Ln 31 / 12)	\$293.90						
34								
35								
36 SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	\$9.41						
37								
38 TOTAL COST PER MONTH	(Ln 36 + Ln 33)	\$303.31						
39								

Fiber Loop	PARIS	Facility Length	4.19	Miles
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ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,564.95	\$2,258.60	\$9,899.28	\$12,157.88	\$14,722.83
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS	\$2,893.63	\$2,262.36	\$10,126.20	\$12,388.56	\$15,282.20
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REAKOUT OF 2232.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

REAKOUT OF 24xx.xx INVESTMENT	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$338.28	\$297.88	\$1,305.59	\$1,603.47	\$1,941.75
Aerial Cable Investments	2421.20	\$1,517.64	\$1,336.38	\$5,857.25	\$7,193.63	\$8,711.27
Underground Cable Investments	2422.20	\$97.81	\$86.13	\$377.51	\$463.64	\$561.45
Buried Cable Investments	2423.20	\$567.89	\$500.06	\$2,191.73	\$2,691.79	\$3,259.68
Conduit Investments	2441.10	<u>\$43.33</u>	<u>\$38.15</u>	<u>\$167.21</u>	<u>\$205.36</u>	<u>\$248.69</u>
TOTAL 24XX Account		\$2,564.95	\$2,258.60	\$9,899.28	\$12,157.88	\$14,722.83

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PAYNE

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.16 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,026.00	\$328.68	\$84.08	\$377.20	\$24.34	\$200.92	\$10.78
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$547.77	\$59.87	\$54.97	\$271.05	\$17.49	\$144.38	\$0.00
19	ENGINEERING & INSTALLATION	\$3,758.14	\$230.68	\$425.32	\$1,908.11	\$123.12	\$1,016.38	\$54.54
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$5,331.91	\$619.24	\$564.37	\$2,556.36	\$164.95	\$1,361.68	\$65.32
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$793.57	\$127.88	\$78.50	\$364.69	\$23.32	\$190.79	\$8.40
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$190.60	\$15.91	\$21.31	\$96.18	\$6.07	\$49.01	\$2.11
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$71.28	\$38.09	\$17.07	\$9.16	\$0.98	\$5.38	\$0.60
29	PROPERTY TAX (Ln 12 * Ln 22)	\$85.80	\$9.96	\$9.08	\$41.13	\$2.65	\$21.91	\$1.05
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,141.25						
32								
33	COST PER MONTH (Ln 31 / 12)	\$95.10						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$3.04						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$98.15						
39								

INVESTMENT SUMMARY

Miles

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PEEBLES

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 3.83 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,740.85	\$328.68	\$359.81	\$1,614.21	\$104.12	\$287.89	\$46.12
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,736.79	\$59.87	\$235.25	\$1,159.96	\$74.82	\$206.88	\$0.00
19	ENGINEERING & INSTALLATION	\$11,810.77	\$230.68	\$1,727.34	\$7,749.37	\$499.87	\$1,382.10	\$221.41
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$16,288.41	\$619.24	\$2,322.40	\$10,523.55	\$678.81	\$1,876.87	\$267.53
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,345.52	\$127.88	\$323.01	\$1,501.29	\$95.97	\$262.97	\$34.39
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$600.74	\$15.91	\$87.70	\$395.96	\$24.99	\$67.56	\$8.63
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$159.97	\$38.09	\$70.24	\$37.70	\$4.05	\$7.41	\$2.47
29	PROPERTY TAX (Ln 12 * Ln 22)	\$262.10	\$9.96	\$37.37	\$169.33	\$10.92	\$30.20	\$4.30
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$3,368.32						
32								
33	COST PER MONTH (Ln 31 / 12)	\$280.69						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$8.99						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$289.68						
39								

INVESTMENT SUMMARY

Fiber Loop	PEEBLES	Facility Length	3.83	Miles
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ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,412.16	\$2,112.97	\$9,467.12	\$11,580.09	\$13,992.25

FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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TOTAL all ACCOUNTS

\$2,740.85	\$2,116.73	\$9,694.05	\$11,810.77	\$14,551.62
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BREAKOUT OF 2232.xx INVESTMENT

REAKOUT OF 2232.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FGC ACCT	COST	COST	COST	TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

BREAKOUT OF 24xx.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
Pole Investments	2411.10	\$359.81	\$315.18	\$1,412.16	\$1,727.34	\$2,087.15
Aerial Cable Investments	2421.20	\$1,614.21	\$1,413.99	\$6,335.38	\$7,749.37	\$9,363.59
Underground Cable Investments	2422.20	\$104.12	\$91.21	\$408.66	\$499.87	\$603.99
Buried Cable Investments	2423.20	\$287.89	\$252.19	\$1,129.91	\$1,382.10	\$1,669.99
Conduit Investments	2441.10	<u>\$46.12</u>	<u>\$40.40</u>	<u>\$181.01</u>	<u>\$221.41</u>	<u>\$267.53</u>
TOTAL 24XX Account		\$2,412.16	\$2,112.97	\$9,467.12	\$11,580.09	\$13,992.25

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PORT CLINTON MAIN

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.65 Miles

INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,965.48	\$328.68	\$224.81	\$1,008.58	\$65.15	\$309.41	\$28.86
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,200.77	\$59.87	\$146.99	\$724.76	\$46.81	\$222.34	\$0.00
19	ENGINEERING & INSTALLATION	\$8,140.42	\$230.68	\$1,086.40	\$4,873.90	\$314.81	\$1,495.19	\$139.44
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$11,306.67	\$619.24	\$1,458.20	\$6,607.23	\$426.77	\$2,026.93	\$168.30
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,639.25	\$127.88	\$202.82	\$942.59	\$60.34	\$284.00	\$21.63
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$413.67	\$15.91	\$55.06	\$248.60	\$15.71	\$72.96	\$5.43
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$117.97	\$38.09	\$44.11	\$23.67	\$2.54	\$8.00	\$1.56
29	PROPERTY TAX (Ln 12 * Ln 22)	\$181.94	\$9.96	\$23.46	\$106.32	\$6.87	\$32.62	\$2.71
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,352.83						
32								
33	COST PER MONTH (Ln 31 / 12)	\$196.07						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$6.28						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$202.35						
39								

Unbundled Loop Element Cost Study

OHIO

INVESTMENT SUMMARY

Fiber Loop	PORT CLINTON MAIN	Facility Length	2.65	Miles
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SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,636.80	\$1,438.95	\$6,470.78	\$7,909.73	\$9,546.53
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,965.48	\$1,442.71	\$6,697.71	\$8,140.42	\$10,105.90
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BREAKOUT OF 2232.xx INVESTMENT

BREAKOUT OF 2232.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FGC ACCT	COST	COST	COST	TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

REAKOUT OF 24xx.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
Pole Investments	2411.10	\$224.81	\$197.64	\$888.76	\$1,086.40	\$1,311.21
Aerial Cable Investments	2421.20	\$1,008.58	\$886.67	\$3,987.23	\$4,873.90	\$5,882.48
Underground Cable Investments	2422.20	\$65.15	\$57.27	\$257.54	\$314.81	\$379.96
Buried Cable Investments	2423.20	\$309.41	\$272.01	\$1,223.18	\$1,495.19	\$1,804.59
Conduit Investments	2441.10	<u>\$28.86</u>	<u>\$25.37</u>	<u>\$114.07</u>	<u>\$139.44</u>	<u>\$168.30</u>
TOTAL 24XX Account		\$1,636.80	\$1,438.95	\$6,470.78	\$7,909.73	\$9,546.53

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PORT CLINTON WEST

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 3.55 Miles

INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,464.31	\$328.68	\$258.49	\$1,159.68	\$74.87	\$609.43	\$33.16
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,553.95	\$59.87	\$169.01	\$833.34	\$53.80	\$437.94	\$0.00
19	ENGINEERING & INSTALLATION	\$10,342.32	\$230.68	\$1,223.90	\$5,490.76	\$354.47	\$2,885.51	\$157.01
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$14,360.58	\$619.24	\$1,651.39	\$7,483.77	\$483.13	\$3,932.88	\$190.17
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,069.00	\$127.88	\$229.69	\$1,067.63	\$68.31	\$551.04	\$24.44
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$525.33	\$15.91	\$62.36	\$281.58	\$17.78	\$141.56	\$6.13
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$135.02	\$38.09	\$49.95	\$26.81	\$2.88	\$15.53	\$1.76
29	PROPERTY TAX (Ln 12 * Ln 22)	\$231.08	\$9.96	\$26.57	\$120.42	\$7.77	\$63.28	\$3.06
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,960.42						
32								
33	COST PER MONTH (Ln 31 / 12)	\$246.70						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$7.90						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$254.60						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop PORT CLINTON WEST Facility Length 3.55 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,135.63	\$1,886.55	\$8,225.09	\$10,111.64	\$12,247.27
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,464.31	\$1,890.31	\$8,452.01	\$10,342.32	\$12,806.63
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$258.49	\$228.34	\$995.55	\$1,223.90	\$1,482.39
Aerial Cable Investments	2421.20	\$1,159.68	\$1,024.42	\$4,466.34	\$5,490.76	\$6,650.43
Underground Cable Investments	2422.20	\$74.87	\$66.13	\$288.33	\$354.47	\$429.33
Buried Cable Investments	2423.20	\$609.43	\$538.35	\$2,347.15	\$2,885.51	\$3,494.94
Conduit Investments	2441.10	<u>\$33.16</u>	<u>\$29.29</u>	<u>\$127.71</u>	<u>\$157.01</u>	<u>\$190.17</u>
TOTAL 24XX Account		\$2,135.63	\$1,886.55	\$8,225.09	\$10,111.64	\$12,247.27

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PHILLIPSBURG

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 4.88 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$3,272.41	\$328.68	\$361.28	\$1,620.80	\$104.74	\$810.52	\$46.39
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$2,118.48	\$59.87	\$236.21	\$1,164.69	\$75.26	\$582.44	\$0.00
19	ENGINEERING & INSTALLATION	\$14,055.33	\$230.68	\$1,696.67	\$7,611.75	\$491.89	\$3,806.47	\$217.88
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$19,446.22	\$619.24	\$2,294.15	\$10,397.24	\$671.89	\$5,199.43	\$264.27
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,787.70	\$127.88	\$319.09	\$1,483.27	\$95.00	\$728.50	\$33.97
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$714.15	\$15.91	\$86.63	\$391.20	\$24.73	\$187.15	\$8.53
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$171.71	\$38.09	\$69.39	\$37.25	\$4.01	\$20.53	\$2.44
29	PROPERTY TAX (Ln 12 * Ln 22)	\$312.91	\$9.96	\$36.92	\$167.30	\$10.81	\$83.66	\$4.25
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$3,986.47						
32								
33	COST PER MONTH (Ln 31 / 12)	\$332.21						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$10.64						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$342.84						
39								

Unbundled Loop Element Cost Study OHIO

INVESTMENT SUMMARY

Fiber Loop	PHILLIPSBURG	Facility Length	4.88	Miles
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SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,943.73	\$2,599.12	\$11,225.52	\$13,824.65	\$16,768.38
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$3,272.41	\$2,602.88	\$11,452.45	\$14,055.33	\$17,327.74
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BREAKOUT OF 2232.xx INVESTMENT

BREAKOUT OF 2232.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

BREAKOUT OF 24xx.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
Pole Investments	2411.10	\$361.28	\$318.98	\$1,377.68	\$1,696.67	\$2,057.94
Aerial Cable Investments	2421.20	\$1,620.80	\$1,431.06	\$6,180.69	\$7,611.75	\$9,232.54
Underground Cable Investments	2422.20	\$104.74	\$92.48	\$399.41	\$491.89	\$596.63
Buried Cable Investments	2423.20	\$810.52	\$715.64	\$3,090.83	\$3,806.47	\$4,616.99
Conduit Investments	2441.10	\$46.39	\$40.96	\$176.91	\$217.88	\$264.27
TOTAL 24XX Account		\$2,943.73	\$2,599.12	\$11,225.52	\$13,824.65	\$16,768.38

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PIONEER

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.3 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,638.78	\$328.68	\$112.60	\$505.18	\$32.53	\$645.37	\$14.41
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$983.65	\$59.87	\$73.62	\$363.02	\$23.38	\$463.76	\$0.00
19	ENGINEERING & INSTALLATION	\$6,428.36	\$230.68	\$532.70	\$2,389.84	\$153.91	\$3,053.06	\$68.17
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$9,050.79	\$619.24	\$718.92	\$3,258.03	\$209.83	\$4,162.19	\$82.58
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,316.12	\$127.88	\$99.99	\$464.79	\$29.67	\$583.17	\$10.62
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$325.84	\$15.91	\$27.15	\$122.59	\$7.72	\$149.81	\$2.66
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$89.95	\$38.09	\$21.74	\$11.67	\$1.25	\$16.43	\$0.76
29	PROPERTY TAX (Ln 12 * Ln 22)	\$145.64	\$9.96	\$11.57	\$52.42	\$3.38	\$66.97	\$1.33
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,877.55						
32								
33	COST PER MONTH (Ln 31 / 12)	\$156.46						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$5.01						
37								
38	TOTAL COST PER MONTH (Ln 35 + Ln 33)	\$161.47						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop PIONEER Facility Length 2.30 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,310.10	\$1,168.65	\$5,029.02	\$6,197.67	\$7,507.77
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,638.78	\$1,172.41	\$5,255.95	\$6,428.36	\$8,067.14
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$112.60	\$100.45	\$432.25	\$532.70	\$645.30
Aerial Cable Investments	2421.20	\$505.18	\$450.63	\$1,939.20	\$2,389.84	\$2,895.01
Underground Cable Investments	2422.20	\$32.53	\$29.02	\$124.89	\$153.91	\$186.45
Buried Cable Investments	2423.20	\$645.37	\$575.69	\$2,477.36	\$3,053.06	\$3,698.43
Conduit Investments	2441.10	<u>\$14.41</u>	<u>\$12.86</u>	<u>\$55.32</u>	<u>\$68.17</u>	<u>\$82.58</u>
TOTAL 24XX Account		\$1,310.10	\$1,168.65	\$5,029.02	\$6,197.67	\$7,507.77

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PIKETON

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 4.89 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$3,340.26	\$328.68	\$408.25	\$1,831.55	\$118.36	\$600.99	\$52.43
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$2,159.86	\$59.87	\$266.92	\$1,316.14	\$85.05	\$431.87	\$0.00
19	ENGINEERING & INSTALLATION	\$14,478.86	\$230.68	\$1,931.50	\$8,665.28	\$559.98	\$2,843.37	\$248.04
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$19,978.98	\$619.24	\$2,606.68	\$11,812.97	\$763.40	\$3,876.23	\$300.47
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,865.33	\$127.88	\$362.55	\$1,685.23	\$107.93	\$543.11	\$38.62
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$736.13	\$15.91	\$98.43	\$444.47	\$28.10	\$139.52	\$9.69
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$181.89	\$38.09	\$78.84	\$42.32	\$4.55	\$15.31	\$2.78
29	PROPERTY TAX (Ln 12 * Ln 22)	\$321.48	\$9.96	\$41.94	\$190.08	\$12.28	\$62.37	\$4.83
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$4,104.83						
32								
33	COST PER MONTH (Ln 31 / 12)	\$342.07						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$10.95						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$353.02						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop PIKETON Facility Length 4.89 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$3,011.58	\$2,648.98	\$11,599.20	\$14,248.18	\$17,259.76
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$3,340.26	\$2,652.74	\$11,826.12	\$14,478.86	\$17,819.12
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$408.25	\$359.10	\$1,572.40	\$1,931.50	\$2,339.75
Aerial Cable Investments	2421.20	\$1,831.55	\$1,611.02	\$7,054.26	\$8,665.28	\$10,496.83
Underground Cable Investments	2422.20	\$118.36	\$104.11	\$455.87	\$559.98	\$678.35
Buried Cable Investments	2423.20	\$600.99	\$528.63	\$2,314.74	\$2,843.37	\$3,444.36
Conduit Investments	2441.10	<u>\$52.43</u>	<u>\$46.11</u>	<u>\$201.92</u>	<u>\$248.04</u>	<u>\$300.47</u>
TOTAL 24XX Account		\$3,011.58	\$2,648.98	\$11,599.20	\$14,248.18	\$17,259.76

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PLYMOUTH

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.02 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$915.22	\$328.68	\$54.07	\$242.60	\$15.61	\$267.35	\$6.91
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$472.89	\$59.87	\$35.35	\$174.33	\$11.22	\$192.12	\$0.00
19	ENGINEERING & INSTALLATION	\$3,195.24	\$230.68	\$273.31	\$1,226.15	\$78.89	\$1,351.26	\$34.94
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$4,583.35	\$619.24	\$362.74	\$1,643.07	\$105.72	\$1,810.72	\$41.86
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$686.77	\$127.88	\$50.45	\$234.40	\$14.95	\$253.70	\$5.38
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$161.85	\$15.91	\$13.70	\$61.82	\$3.89	\$65.17	\$1.35
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$63.11	\$38.09	\$10.97	\$5.89	\$0.63	\$7.15	\$0.39
29	PROPERTY TAX (Ln 12 * Ln 22)	\$73.75	\$9.96	\$5.84	\$26.44	\$1.70	\$29.14	\$0.67
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$985.48						
32								
33	COST PER MONTH (Ln 31 / 12)	\$82.12						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$2.63						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$84.75						
39								

Unbundled Loop Element Cost Study

OHIO

INVESTMENT SUMMARY

Fiber Loop	PLYMOUTH	Facility Length	1.02	Miles
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SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&J TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$586.54	\$522.34	\$2,442.22	\$2,964.56	\$3,551.10
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS	\$915.22	\$526.10	\$2,669.14	\$3,195.24	\$4,110.46
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BREAKOUT OF 2232.xx INVESTMENT

BREAKOUT OF 2232.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	\$328.68	\$3.76	\$226.92	\$230.68	\$559.36
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

REAKOUT OF 24xx.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
Pole Investments	2411.10	\$54.07	\$48.16	\$225.15	\$273.31	\$327.38
Aerial Cable Investments	2421.20	\$242.60	\$216.04	\$1,010.11	\$1,226.15	\$1,468.74
Underground Cable Investments	2422.20	\$15.61	\$13.90	\$64.99	\$78.89	\$94.50
Buried Cable Investments	2423.20	\$267.35	\$238.08	\$1,113.18	\$1,351.26	\$1,618.61
Conduit Investments	2441.10	\$6.91	\$6.16	\$28.79	\$34.94	\$41.86
TOTAL 24XX Account		\$586.54	\$522.34	\$2,442.22	\$2,964.56	\$3,551.10

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PLUMWOOD

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 5.18 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$3,153.08	\$328.68	\$159.61	\$716.07	\$46.27	\$1,881.94	\$20.50
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$2,064.40	\$59.87	\$104.36	\$514.57	\$33.25	\$1,352.35	\$0.00
19	ENGINEERING & INSTALLATION	\$13,003.42	\$230.68	\$721.82	\$3,238.29	\$209.27	\$8,510.67	\$92.69
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$18,220.89	\$619.24	\$985.79	\$4,468.92	\$288.80	\$11,744.95	\$113.19
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,603.52	\$127.88	\$137.11	\$637.54	\$40.83	\$1,645.61	\$14.55
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$658.31	\$15.91	\$37.22	\$168.15	\$10.63	\$422.74	\$3.65
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$133.06	\$38.09	\$29.82	\$16.01	\$1.72	\$46.37	\$1.05
29	PROPERTY TAX (Ln 12 * Ln 22)	\$293.19	\$9.96	\$15.86	\$71.91	\$4.65	\$188.99	\$1.82
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$3,688.08						
32								
33	COST PER MONTH (Ln 31 / 12)	\$307.34						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$9.84						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$317.18						
39								

Fiber Loop	PLUMWOOD	Facility Length	5.18	Miles
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ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,824.40	\$2,538.72	\$10,234.01	\$12,772.73	\$15,597.13
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

\$3,153.08	\$2,542.48	\$10,460.93	\$13,003.42	\$16,156.49
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BREAKOUT OF 2232.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
Pole Investments	2411.10	\$159.61	\$143.47	\$578.35	\$721.82	\$881.43
Aerial Cable Investments	2421.20	\$716.07	\$643.65	\$2,594.64	\$3,238.29	\$3,954.36
Underground Cable Investments	2422.20	\$46.27	\$41.59	\$167.67	\$209.27	\$255.54
Buried Cable Investments	2423.20	\$1,881.94	\$1,691.59	\$6,819.08	\$8,510.67	\$10,392.61
Conduit Investments	2441.10	\$20.50	\$18.42	\$74.27	\$92.69	\$113.19
TOTAL 24XX Account		\$2,824.40	\$2,538.72	\$10,234.01	\$12,772.73	\$15,597.13

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

POMEROY

VS + VIS

BNF:

DESCRIPTION: HICAP Fiber Loop Facility

Facility Length 3.48 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,468.70	\$328.68	\$288.23	\$1,293.11	\$83.30	\$438.48	\$36.90
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,552.49	\$59.87	\$188.45	\$929.22	\$59.86	\$315.09	\$0.00
19	ENGINEERING & INSTALLATION	\$10,448.97	\$230.68	\$1,376.28	\$6,174.40	\$397.76	\$2,093.66	\$176.18
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$14,470.16	\$619.24	\$1,852.97	\$8,396.72	\$540.93	\$2,847.23	\$213.08
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,086.28	\$127.88	\$257.72	\$1,197.87	\$76.48	\$398.93	\$27.39
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$531.08	\$15.91	\$69.97	\$315.93	\$19.91	\$102.48	\$6.87
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$140.65	\$38.09	\$56.05	\$30.08	\$3.23	\$11.24	\$1.97
29	PROPERTY TAX (Ln 12 * Ln 22)	\$232.84	\$9.96	\$29.82	\$135.11	\$8.70	\$45.81	\$3.43
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,990.86						
32								
33	COST PER MONTH (Ln 31 / 12)	\$249.24						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$7.98						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$257.22						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop POMEROY Facility Length 3.48 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,140.02	\$1,882.85	\$8,335.43	\$10,218.29	\$12,358.30
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,468.70	\$1,886.61	\$8,562.36	\$10,448.97	\$12,917.67
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$288.23	\$253.60	\$1,122.68	\$1,376.28	\$1,664.51
Aerial Cable Investments	2421.20	\$1,293.11	\$1,137.71	\$5,036.69	\$6,174.40	\$7,467.50
Underground Cable Investments	2422.20	\$83.30	\$73.29	\$324.47	\$397.76	\$481.06
Buried Cable Investments	2423.20	\$438.48	\$385.78	\$1,707.88	\$2,093.66	\$2,532.14
Conduit Investments	2441.10	<u>\$36.90</u>	<u>\$32.46</u>	<u>\$143.72</u>	<u>\$176.18</u>	<u>\$213.08</u>
TOTAL 24XX Account		\$2,140.02	\$1,882.85	\$8,335.43	\$10,218.29	\$12,358.30

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PEMBERVILLE

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.15 Miles

INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	- 0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$972.56	\$328.68	\$47.96	\$215.14	\$13.92	\$360.69	\$6.16
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$515.02	\$59.87	\$31.35	\$154.60	\$10.00	\$259.19	\$0.00
19	ENGINEERING & INSTALLATION	\$3,417.48	\$230.68	\$237.35	\$1,064.83	\$68.89	\$1,785.22	\$30.51
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$4,905.06	\$619.24	\$316.66	\$1,434.57	\$92.81	\$2,405.11	\$36.68
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$731.40	\$127.88	\$44.04	\$204.66	\$13.12	\$336.98	\$4.71
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$173.01	\$15.91	\$11.96	\$53.98	\$3.42	\$86.57	\$1.18
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$63.19	\$38.09	\$9.58	\$5.14	\$0.55	\$9.50	\$0.34
29	PROPERTY TAX (Ln 12 * Ln 22)	\$78.93	\$9.96	\$5.10	\$23.08	\$1.49	\$38.70	\$0.59
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,046.54						
32								
33	COST PER MONTH (Ln 31 / 12)	\$87.21						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$2.79						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$90.00						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop PEMBERVILLE Facility Length 1.15 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$643.87	\$576.10	\$2,610.70	\$3,186.80	\$3,830.67
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$972.56	\$579.86	\$2,837.63	\$3,417.48	\$4,390.04
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$47.96	\$42.91	\$194.44	\$237.35	\$285.31
Aerial Cable Investments	2421.20	\$215.14	\$192.50	\$872.33	\$1,064.83	\$1,279.97
Underground Cable Investments	2422.20	\$13.92	\$12.45	\$56.43	\$68.89	\$82.81
Buried Cable Investments	2423.20	\$360.69	\$322.73	\$1,462.50	\$1,785.22	\$2,145.91
Conduit Investments	2441.10	<u>\$6.16</u>	<u>\$5.52</u>	<u>\$25.00</u>	<u>\$30.51</u>	<u>\$36.68</u>
TOTAL 24XX Account		\$643.87	\$576.10	\$2,610.70	\$3,186.80	\$3,830.67

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PLAIN CITY

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 4.45 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESale	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,877.31	\$328.68	\$228.19	\$1,023.71	\$65.99	\$1,201.51	\$29.23
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,855.51	\$59.87	\$149.19	\$735.63	\$47.42	\$863.40	\$0.00
19	ENGINEERING & INSTALLATION	\$12,007.57	\$230.68	\$1,054.42	\$4,730.45	\$304.92	\$5,552.03	\$135.06
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$16,740.39	\$619.24	\$1,431.80	\$6,489.80	\$418.32	\$7,616.94	\$164.29
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,400.35	\$127.88	\$199.14	\$925.83	\$59.14	\$1,067.23	\$21.12
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$609.02	\$15.91	\$54.07	\$244.18	\$15.40	\$274.16	\$5.30
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$138.73	\$38.09	\$43.31	\$23.25	\$2.49	\$30.08	\$1.52
29	PROPERTY TAX (Ln 12 * Ln 22)	\$269.37	\$9.96	\$23.04	\$104.43	\$6.73	\$122.56	\$2.64
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$3,417.47						
32								
33	COST PER MONTH (Ln 31 / 12)	\$284.79						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$9.12						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$293.91						
39								

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

POLK

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.72 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,792.11	\$328.68	\$69.20	\$310.45	\$20.09	\$1,054.79	\$8.90
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,100.61	\$59.87	\$45.24	\$223.09	\$14.43	\$757.97	\$0.00
19	ENGINEERING & INSTALLATION	\$6,963.02	\$230.68	\$318.35	\$1,428.20	\$92.41	\$4,852.44	\$40.93
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$9,855.73	\$619.24	\$432.79	\$1,961.74	\$126.93	\$6,665.20	\$49.83
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,426.17	\$127.88	\$60.20	\$279.86	\$17.95	\$933.88	\$6.41
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$352.25	\$15.91	\$16.34	\$73.81	\$4.67	\$239.90	\$1.61
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$85.74	\$38.09	\$13.09	\$7.03	\$0.76	\$26.32	\$0.46
29	PROPERTY TAX (Ln 12 * Ln 22)	\$158.59	\$9.96	\$6.96	\$31.57	\$2.04	\$107.25	\$0.80
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,022.75						
32								
33	COST PER MONTH (Ln 31 / 12)	\$168.56						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$5.40						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$173.96						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop POLK Facility Length 2.72 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,463.43	\$1,318.43	\$5,413.91	\$6,732.33	\$8,195.76

FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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TOTAL all ACCOUNTS

\$1,792.11	\$1,322.18	\$5,640.83	\$6,963.02	\$8,755.13
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$69.20	\$62.34	\$256.00	\$318.35	\$387.55
Aerial Cable Investments	2421.20	\$310.45	\$279.69	\$1,148.51	\$1,428.20	\$1,738.65
Underground Cable Investments	2422.20	\$20.09	\$18.10	\$74.31	\$92.41	\$112.50
Buried Cable Investments	2423.20	\$1,054.79	\$950.28	\$3,902.17	\$4,852.44	\$5,907.24
Conduit Investments	2441.10	<u>\$8.90</u>	<u>\$8.02</u>	<u>\$32.92</u>	<u>\$40.93</u>	<u>\$49.83</u>
TOTAL 24XX Account		\$1,463.43	\$1,318.43	\$5,413.91	\$6,732.33	\$8,195.76

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PROSPECT

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.81 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,377.53	\$328.68	\$101.91	\$457.22	\$29.51	\$447.14	\$13.07
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$797.58	\$59.87	\$66.63	\$328.56	\$21.21	\$321.31	\$0.00
19	ENGINEERING & INSTALLATION	\$5,291.52	\$230.68	\$491.75	\$2,206.15	\$142.39	\$2,157.48	\$63.07
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$7,466.63	\$619.24	\$660.30	\$2,991.92	\$193.11	\$2,925.92	\$76.14
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,093.60	\$127.88	\$91.84	\$426.83	\$27.30	\$409.96	\$9.79
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$268.30	\$15.91	\$24.93	\$112.57	\$7.11	\$105.31	\$2.46
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$82.19	\$38.09	\$19.97	\$10.72	\$1.15	\$11.55	\$0.70
29	PROPERTY TAX (Ln 12 * Ln 22)	\$120.15	\$9.96	\$10.62	\$48.14	\$3.11	\$47.08	\$1.23
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,564.22						
32								
33	COST PER MONTH (Ln 31 / 12)	\$130.35						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$4.17						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$134.53						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop PROSPECT Facility Length 1.81 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,048.85	\$932.78	\$4,128.06	\$5,060.84	\$6,109.69
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,377.53	\$936.53	\$4,354.99	\$5,291.52	\$6,669.05
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$101.91	\$90.64	\$401.12	\$491.75	\$593.67
Aerial Cable Investments	2421.20	\$457.22	\$406.62	\$1,799.53	\$2,206.15	\$2,663.37
Underground Cable Investments	2422.20	\$29.51	\$26.24	\$116.15	\$142.39	\$171.90
Buried Cable Investments	2423.20	\$447.14	\$397.65	\$1,759.83	\$2,157.46	\$2,604.62
Conduit Investments	2441.10	<u>\$13.07</u>	<u>\$11.62</u>	<u>\$51.45</u>	<u>\$63.07</u>	<u>\$76.14</u>
TOTAL 24XX Account		\$1,048.85	\$932.78	\$4,128.06	\$5,060.84	\$6,109.69

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PROCTORVILLE

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 3.17 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,380.79	\$328.68	\$339.56	\$1,523.37	\$98.14	\$47.57	\$43.47
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,481.27	\$59.87	\$222.01	\$1,094.68	\$70.52	\$34.18	\$0.00
19	ENGINEERING & INSTALLATION	\$10,308.80	\$230.68	\$1,667.62	\$7,481.42	\$481.98	\$233.61	\$213.49
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$14,170.86	\$619.24	\$2,229.18	\$10,099.46	\$650.65	\$315.37	\$256.96
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,047.93	\$127.88	\$310.05	\$1,440.79	\$91.99	\$44.19	\$33.03
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$523.68	\$15.91	\$84.18	\$380.00	\$23.95	\$11.35	\$8.29
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$149.20	\$38.09	\$67.42	\$36.18	\$3.88	\$1.25	\$2.38
29	PROPERTY TAX (Ln 12 * Ln 22)	\$228.02	\$9.96	\$35.87	\$162.51	\$10.47	\$5.07	\$4.13
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,948.83						
32								
33	COST PER MONTH (Ln 31 / 12)	\$245.74						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$7.87						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$253.60						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop PROCTORVILLE Facility Length 3.17 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,052.11	\$1,788.35	\$8,289.77	\$10,078.12	\$12,130.23

FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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TOTAL all ACCOUNTS

\$2,380.79	\$1,792.10	\$8,516.70	\$10,308.80	\$12,689.59
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$339.56	\$295.92	\$1,371.70	\$1,667.62	\$2,007.17
Aerial Cable Investments	2421.20	\$1,523.37	\$1,327.57	\$6,153.85	\$7,481.42	\$9,004.78
Underground Cable Investments	2422.20	\$98.14	\$85.53	\$396.46	\$481.98	\$580.13
Buried Cable Investments	2423.20	\$47.57	\$41.45	\$192.16	\$233.61	\$281.18
Conduit Investments	2441.10	<u>\$43.47</u>	<u>\$37.88</u>	<u>\$175.61</u>	<u>\$213.49</u>	<u>\$256.96</u>
TOTAL 24XX Account		\$2,052.11	\$1,788.35	\$8,289.77	\$10,078.12	\$12,130.23

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PLEASANTVILLE

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.93 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,463.99	\$328.68	\$121.29	\$544.16	\$35.15	\$419.15	\$15.57
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$856.66	\$59.87	\$79.30	\$391.03	\$25.26	\$301.20	\$0.00
19	ENGINEERING & INSTALLATION	\$5,714.57	\$230.68	\$585.88	\$2,628.43	\$169.76	\$2,024.62	\$75.19
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$8,035.22	\$619.24	\$786.48	\$3,563.62	\$230.16	\$2,744.97	\$90.76
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,174.47	\$127.88	\$109.39	\$508.38	\$32.54	\$384.60	\$11.67
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$289.89	\$15.91	\$29.70	\$134.08	\$8.47	\$98.80	\$2.93
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$87.69	\$38.09	\$23.79	\$12.77	\$1.37	\$10.84	\$0.84
29	PROPERTY TAX (Ln 12 * Ln 22)	\$129.29	\$9.96	\$12.66	\$57.34	\$3.70	\$44.17	\$1.46
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,681.35						
32								
33	COST PER MONTH (Ln 31 / 12)	\$140.11						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$4.49						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$144.60						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop PLEASANTVILLE Facility Length 1.93 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,135.31	\$1,006.96	\$4,476.92	\$5,483.89	\$6,619.20
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,463.99	\$1,010.72	\$4,703.85	\$5,714.57	\$7,178.56
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$121.29	\$107.58	\$478.30	\$585.88	\$707.17
Aerial Cable Investments	2421.20	\$544.16	\$482.64	\$2,145.79	\$2,628.43	\$3,172.59
Underground Cable Investments	2422.20	\$35.15	\$31.17	\$138.59	\$169.76	\$204.91
Buried Cable Investments	2423.20	\$419.15	\$371.76	\$1,652.85	\$2,024.62	\$2,443.77
Conduit Investments	2441.10	<u>\$15.57</u>	<u>\$13.81</u>	<u>\$61.39</u>	<u>\$75.19</u>	<u>\$90.76</u>
TOTAL 24XX Account		\$1,135.31	\$1,006.96	\$4,476.92	\$5,483.89	\$6,619.20

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PUT-IN-BAY

VS + VIS

BNF:

DESCRIPTION: HICAP Fiber Loop Facility

Facility Length 1.27 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,154.37	\$328.68	\$138.68	\$622.18	\$40.15	\$6.89	\$17.79
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$631.45	\$59.87	\$90.67	\$447.09	\$28.85	\$4.95	\$0.00
19	ENGINEERING & INSTALLATION	\$4,489.42	\$230.68	\$715.30	\$3,209.05	\$207.10	\$35.55	\$91.73
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$6,275.24	\$619.24	\$944.66	\$4,278.31	\$276.11	\$47.40	\$109.52
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$929.37	\$127.88	\$131.39	\$610.34	\$39.04	\$6.64	\$14.08
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$227.96	\$15.91	\$35.67	\$160.97	\$10.16	\$1.71	\$3.53
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$84.83	\$38.09	\$28.57	\$15.33	\$1.65	\$0.19	\$1.01
29	PROPERTY TAX (Ln 12 * Ln 22)	\$100.97	\$9.96	\$15.20	\$68.84	\$4.44	\$0.76	\$1.76
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,343.14						
32								
33	COST PER MONTH (Ln 31 / 12)	\$111.93						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$3.58						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$115.51						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop PUT-IN-BAY Facility Length 1.27 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$825.69	\$718.98	\$3,539.75	\$4,258.73	\$5,084.43
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$1,154.37	\$722.74	\$3,766.67	\$4,489.42	\$5,643.79
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$138.68	\$120.76	\$594.54	\$715.30	\$853.98
Aerial Cable Investments	2421.20	\$622.18	\$541.77	\$2,667.28	\$3,209.05	\$3,831.22
Underground Cable Investments	2422.20	\$40.15	\$34.96	\$172.14	\$207.10	\$247.26
Buried Cable Investments	2423.20	\$6.89	\$6.00	\$29.55	\$35.55	\$42.45
Conduit Investments	2441.10	<u>\$17.79</u>	<u>\$15.49</u>	<u>\$76.25</u>	<u>\$91.73</u>	<u>\$109.52</u>
TOTAL 24XX Account		\$825.69	\$718.98	\$3,539.75	\$4,258.73	\$5,084.43

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PORTLAND

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 5.46 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungrnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$3,079.40	\$328.68	\$0.37	\$1.65	\$0.00	\$2,748.70	\$0.00
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$2,036.50	\$59.87	\$0.24	\$1.19	\$0.00	\$1,975.20	\$0.00
19	ENGINEERING & INSTALLATION	\$12,305.98	\$230.68	\$1.61	\$7.24	\$0.00	\$12,066.44	\$0.00
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$17,421.88	\$619.24	\$2.22	\$10.08	\$0.00	\$16,790.34	\$0.00
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,482.16	\$127.88	\$0.31	\$1.44	\$0.00	\$2,352.53	\$0.00
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$620.72	\$15.91	\$0.08	\$0.38	\$0.00	\$604.34	\$0.00
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$104.49	\$38.09	\$0.07	\$0.04	\$0.00	\$66.30	\$0.00
29	PROPERTY TAX (Ln 12 * Ln 22)	\$280.34	\$9.96	\$0.04	\$0.16	\$0.00	\$270.17	\$0.00
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$3,487.70						
32								
33	COST PER MONTH (Ln 31 / 12)	\$290.64						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$9.30						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$299.95						
39								

INVESTMENT SUMMARY

Miles

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,750.72	\$2,505.64	\$9,569.66	\$12,075.30	\$14,826.02
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

\$15,385.38

BREAKOUT OF 2232.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	\$328.68	\$3.76	\$226.92	\$230.68	\$559.36
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
Pole Investments	2411.10	\$0.37	\$0.34	\$1.28	\$1.61	\$1.98
Aerial Cable Investments	2421.20	\$1.65	\$1.50	\$5.74	\$7.24	\$8.89
Underground Cable Investments		\$0.00	\$0.00	\$0.00	\$0.00	
Buried Cable Investments	2423.20	\$2,748.70	\$2,503.81	\$9,562.64	\$12,066.44	\$14,815.14
Conduit Investments	2441.10	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	
TOTAL 24XX Account		\$2,750.72	\$2,505.64	\$9,569.66	\$12,075.30	\$14,826.02

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PORTSMOUTH

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.27 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,152.35	\$328.68	\$137.16	\$615.33	\$39.73	\$13.85	\$17.60
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$630.23	\$59.87	\$89.68	\$442.17	\$28.55	\$9.95	\$0.00
19	ENGINEERING & INSTALLATION	\$4,485.64	\$230.68	\$708.54	\$3,178.72	\$205.26	\$71.53	\$90.92
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$6,268.21	\$619.24	\$935.37	\$4,236.22	\$273.54	\$95.33	\$108.52
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$928.30	\$127.88	\$130.10	\$604.34	\$38.68	\$13.36	\$13.95
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$227.62	\$15.91	\$35.32	\$159.39	\$10.07	\$3.43	\$3.50
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$84.57	\$38.09	\$28.29	\$15.18	\$1.63	\$0.38	\$1.00
29	PROPERTY TAX (Ln 12 * Ln 22)	\$100.86	\$9.96	\$15.05	\$68.17	\$4.40	\$1.53	\$1.75
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,341.35						
32								
33	COST PER MONTH (Ln 31 / 12)	\$111.78						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$3.58						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$115.36						
39								

Fiber Loop	PORTSMOUTH	Facility Length	1.27	Miles
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ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$823.67	\$717.56	\$3,537.40	\$4,254.96	\$5,078.62
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

\$1,152.35	\$721.31	\$3,764.32	\$4,485.64	\$5,637.99
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BREAKOUT OF 2232.xx INVESTMENT	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$137.16	\$119.49	\$589.05	\$708.54	\$845.70
Aerial Cable Investments	2421.20	\$615.33	\$536.06	\$2,642.66	\$3,178.72	\$3,794.05
Underground Cable Investments	2422.20	\$39.73	\$34.61	\$170.64	\$205.26	\$244.99
Buried Cable Investments	2423.20	\$13.85	\$12.06	\$59.47	\$71.53	\$85.38
Conduit Investments	2441.10	<u>\$17.60</u>	<u>\$15.33</u>	<u>\$75.58</u>	<u>\$90.92</u>	<u>\$108.52</u>
TOTAL 24XX Account		\$823.67	\$717.56	\$3,537.40	\$4,254.96	\$5,078.62

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PORT WILLIAM

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 4.09 Miles

INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,470.06	\$328.68	\$60.18	\$269.97	\$17.42	\$1,786.10	\$7.71
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,589.22	\$59.87	\$39.34	\$194.00	\$12.52	\$1,283.48	\$0.00
19	ENGINEERING & INSTALLATION	\$9,837.59	\$230.68	\$269.97	\$1,211.16	\$78.14	\$8,013.03	\$34.61
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$13,896.87	\$619.24	\$369.49	\$1,675.13	\$108.07	\$11,082.61	\$42.33
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,991.78	\$127.88	\$51.39	\$238.97	\$15.28	\$1,552.81	\$5.44
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$497.14	\$15.91	\$13.95	\$63.03	\$3.98	\$398.90	\$1.37
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$100.06	\$38.09	\$11.18	\$6.00	\$0.64	\$43.76	\$0.39
29	PROPERTY TAX (Ln 12 * Ln 22)	\$223.61	\$9.96	\$5.95	\$26.95	\$1.74	\$178.33	\$0.68
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,812.59						
32								
33	COST PER MONTH (Ln 31 / 12)	\$234.38						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$7.50						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$241.89						
39								

Unbundled Loop Element Cost Study OHIO

INVESTMENT SUMMARY

Fiber Loop

PORT WILLIAM

Facility Length

4.09

Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,141.38	\$1,938.13	\$7,668.77	\$9,606.91	\$11,748.29
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS	\$2,470.06	\$1,941.89	\$7,895.70	\$9,837.59	\$12,307.66
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BREAKOUT OF 2232.xx INVESTMENT

REAKOUT OF 2232.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

REAKOUT OF 24xx.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
Pole Investments	2411.10	\$60.18	\$54.46	\$215.50	\$269.97	\$330.15
Aerial Cable Investments	2421.20	\$269.97	\$244.34	\$966.82	\$1,211.16	\$1,481.13
Underground Cable Investments	2422.20	\$17.42	\$15.76	\$62.38	\$78.14	\$95.56
Buried Cable Investments	2423.20	\$1,786.10	\$1,616.58	\$6,396.45	\$8,013.03	\$9,799.13
Conduit Investments	2441.10	<u>\$7.71</u>	<u>\$6.98</u>	<u>\$27.63</u>	<u>\$34.61</u>	<u>\$42.33</u>
TOTAL 24XX Account		\$2,141.38	\$1,938.13	\$7,668.77	\$9,606.91	\$11,748.29

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

PERRYSVILLE

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.81 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	- 0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,841.00	\$328.68	\$71.88	\$322.46	\$20.75	\$1,088.04	\$9.19
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,135.36	\$59.87	\$46.99	\$231.72	\$14.91	\$781.86	\$0.00
19	ENGINEERING & INSTALLATION	\$7,178.56	\$230.68	\$330.22	\$1,481.44	\$95.34	\$4,998.64	\$42.23
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$10,154.92	\$619.24	\$449.09	\$2,035.62	\$131.01	\$6,868.54	\$51.42
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,468.24	\$127.88	\$62.46	\$290.40	\$18.52	\$962.36	\$6.61
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$363.17	\$15.91	\$16.96	\$76.59	\$4.82	\$247.22	\$1.66
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$87.34	\$38.09	\$13.58	\$7.29	\$0.78	\$27.12	\$0.48
29	PROPERTY TAX (Ln 12 * Ln 22)	\$163.40	\$9.96	\$7.23	\$32.76	\$2.11	\$110.52	\$0.83
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,082.15						
32								
33	COST PER MONTH (Ln 31 / 12)	\$173.51						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$5.56						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$179.07						
39								

INVESTMENT SUMMARY

SYSTEM INVESTMENT

TOTAL all ACCOUNTS

	MATERIAL	ENGINEER	INSTALL	E&I	
FCC ACCT	COST	COST	COST	TOTAL	TOTAL
2411.10	\$71.88	\$64.75	\$265.46	\$330.22	\$402.09
2421.20	\$322.46	\$290.49	\$1,190.95	\$1,481.44	\$1,803.91
2422.20	\$20.75	\$18.70	\$76.65	\$95.34	\$116.10
2423.20	\$1,088.04	\$980.17	\$4,018.47	\$4,998.64	\$6,086.68
2441.10	\$9.19	\$8.28	\$33.95	\$42.23	\$51.42
	\$1,512.32	\$1,362.39	\$5,585.48	\$6,947.88	\$8,460.20

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

RACINE

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.83 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungrnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,054.73	\$328.68	\$223.66	\$1,003.42	\$64.84	\$405.40	\$28.72
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,265.07	\$59.87	\$146.23	\$721.05	\$46.59	\$291.32	\$0.00
19	ENGINEERING & INSTALLATION	\$8,512.00	\$230.68	\$1,073.10	\$4,814.25	\$311.10	\$1,945.07	\$137.80
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$11,831.80	\$619.24	\$1,443.00	\$6,538.71	\$422.53	\$2,641.80	\$166.52
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,712.69	\$127.88	\$200.70	\$932.81	\$59.74	\$370.15	\$21.40
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$432.44	\$15.91	\$54.49	\$246.02	\$15.55	\$95.09	\$5.37
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$119.65	\$38.09	\$43.65	\$23.43	\$2.52	\$10.43	\$1.54
29	PROPERTY TAX (Ln 12 * Ln 22)	\$190.39	\$9.96	\$23.22	\$105.21	\$6.80	\$42.51	\$2.68
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,455.16						
32								
33	COST PER MONTH (Ln 31 / 12)	\$204.60						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$6.55						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$211.15						
39								

Fiber Loop	RACINE	Facility Length	2.83	Miles
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ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,726.05	\$1,520.93	\$6,760.38	\$8,281.32	\$10,007.36
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

\$2,054.73	\$1,524.69	\$6,987.31	\$8,512.00	\$10,566.73
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BREAKOUT OF 2232.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCG ACCT	COST	COST	COST	TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

REAKOUT OF 24xx.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
Pole Investments	2411.10	\$223.66	\$197.08	\$876.02	\$1,073.10	\$1,296.76
Aerial Cable Investments	2421.20	\$1,003.42	\$884.18	\$3,930.07	\$4,814.25	\$5,817.66
Underground Cable Investments	2422.20	\$64.84	\$57.14	\$253.96	\$311.10	\$375.94
Buried Cable Investments	2423.20	\$405.40	\$357.23	\$1,587.84	\$1,945.07	\$2,350.48
Conduit Investments	2441.10	\$28.72	\$25.31	\$112.49	\$137.80	\$166.52
TOTAL 24XX Account		\$1,726.05	\$1,520.93	\$6,760.38	\$8,281.32	\$10,007.36

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

RICHMOND

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 6.22 Miles

INVESTMENT / COST FACTORS			Cable Term	Poles	Aerial Cable	Ungrnd Cable	Buried Cable	Conduit
			Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	<u>INVESTMENT LOADINGS</u>							
3								
4	MATERIAL LOADINGS		0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR							
6								
7	<u>ANNUAL EXPENSE FACTORS</u>							
8								
9	CAPITAL RECOVERY		0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX		0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE		0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX		0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG		0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT		\$4,132.41	\$328.68	\$499.19	\$2,239.52	\$144.53	\$856.47
18	MATERIAL LOADINGS (Ln 4 * Ln 17)		\$2,714.87	\$59.87	\$326.38	\$1,609.31	\$103.86	\$615.45
19	ENGINEERING & INSTALLATION		\$18,088.27	\$230.68	\$2,343.59	\$10,514.02	\$678.52	\$4,020.92
20	SOFTWARE		\$0.00					
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)		\$0.00					
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)		\$24,935.55	\$619.24	\$3,169.16	\$14,362.86	\$926.90	\$5,492.84
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)		\$3,565.20	\$127.88	\$440.79	\$2,049.00	\$131.05	\$769.61
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)		\$919.58	\$15.91	\$119.67	\$540.41	\$34.12	\$197.71
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)		\$215.99	\$38.09	\$95.86	\$51.46	\$5.53	\$21.69
29	PROPERTY TAX (Ln 12 * Ln 22)		\$401.24	\$9.96	\$50.99	\$231.11	\$14.91	\$88.39
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)		\$5,102.01					
32								
33	COST PER MONTH (Ln 31 / 12)		\$425.17					
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)		\$13.61					
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)		\$438.78					
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop RICHMOND Facility Length 6.22 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$3,803.73	\$3,350.07	\$14,507.52	\$17,857.59	\$21,661.32
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$4,132.41	\$3,353.83	\$14,734.45	\$18,088.27	\$22,220.68
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$499.19	\$439.65	\$1,903.93	\$2,343.59	\$2,842.78
Aerial Cable Investments	2421.20	\$2,239.52	\$1,972.42	\$8,541.60	\$10,514.02	\$12,753.55
Underground Cable Investments	2422.20	\$144.53	\$127.29	\$551.23	\$678.52	\$823.05
Buried Cable Investments	2423.20	\$856.47	\$754.32	\$3,266.60	\$4,020.92	\$4,877.39
Conduit Investments	2441.10	<u>\$64.02</u>	<u>\$56.38</u>	<u>\$244.16</u>	<u>\$300.54</u>	<u>\$364.56</u>
TOTAL 24XX Account		\$3,803.73	\$3,350.07	\$14,507.52	\$17,857.59	\$21,661.32

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

RICHWOOD

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 0.96 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$862.15	\$328.68	\$37.04	\$166.19	\$10.72	\$314.77	\$4.75
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$437.41	\$59.87	\$24.22	\$119.42	\$7.70	\$226.19	\$0.00
19	ENGINEERING & INSTALLATION	\$2,916.86	\$230.68	\$186.52	\$836.80	\$53.97	\$1,584.98	\$23.91
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$4,216.41	\$619.24	\$247.79	\$1,122.41	\$72.39	\$2,125.94	\$28.65
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$634.26	\$127.88	\$34.46	\$160.12	\$10.24	\$297.87	\$3.68
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$147.61	\$15.91	\$9.36	\$42.23	\$2.66	\$76.52	\$0.92
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$58.69	\$38.09	\$7.49	\$4.02	\$0.43	\$8.39	\$0.27
29	PROPERTY TAX (Ln 12 * Ln 22)	\$67.85	\$9.96	\$3.99	\$18.06	\$1.16	\$34.21	\$0.46
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$908.40						
32								
33	COST PER MONTH (Ln 31 / 12)	\$75.70						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$2.42						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$78.12						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop RICHWOOD Facility Length 0.96 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$533.46	\$477.93	\$2,208.25	\$2,686.18	\$3,219.64
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$862.15	\$481.69	\$2,435.17	\$2,916.86	\$3,779.01
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$37.04	\$33.19	\$153.34	\$186.52	\$223.57
Aerial Cable Investments	2421.20	\$166.19	\$148.89	\$687.92	\$836.80	\$1,002.99
Underground Cable Investments	2422.20	\$10.72	\$9.60	\$44.37	\$53.97	\$64.69
Buried Cable Investments	2423.20	\$314.77	\$282.00	\$1,302.97	\$1,584.98	\$1,899.74
Conduit Investments	2441.10	<u>\$4.75</u>	<u>\$4.25</u>	<u>\$19.65</u>	<u>\$23.91</u>	<u>\$28.65</u>
TOTAL 24XX Account		\$533.46	\$477.93	\$2,208.25	\$2,686.18	\$3,219.64

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

REDHAW

VS + VIS

BNF:

DESCRIPTION: HICAP Fiber Loop Facility

Facility Length 3.9 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,343.16	\$328.68	\$37.07	\$166.30	\$10.65	\$1,795.74	\$4.72
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,501.67	\$59.87	\$24.24	\$119.50	\$7.65	\$1,290.41	\$0.00
19	ENGINEERING & INSTALLATION	\$9,238.71	\$230.68	\$165.75	\$743.62	\$47.63	\$8,029.91	\$21.10
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$13,083.54	\$619.24	\$227.06	\$1,029.42	\$65.94	\$11,116.06	\$25.82
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,876.46	\$127.88	\$31.58	\$146.86	\$9.32	\$1,557.49	\$3.32
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$466.58	\$15.91	\$8.57	\$38.73	\$2.43	\$400.11	\$0.83
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$93.17	\$38.09	\$6.87	\$3.69	\$0.39	\$43.89	\$0.24
29	PROPERTY TAX (Ln 12 * Ln 22)	\$210.53	\$9.96	\$3.65	\$16.56	\$1.06	\$178.87	\$0.42
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,646.74						
32								
33	COST PER MONTH (Ln 31 / 12)	\$220.56						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$7.06						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$227.62						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop REDHAW Facility Length 3.90 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,014.48	\$1,827.41	\$7,180.61	\$9,008.02	\$11,022.50

FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
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TOTAL all ACCOUNTS

\$2,343.16	\$1,831.17	\$7,407.54	\$9,238.71	\$11,581.87
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$37.07	\$33.63	\$132.13	\$165.75	\$202.82
Aerial Cable Investments	2421.20	\$166.30	\$150.86	\$592.77	\$743.62	\$909.92
Underground Cable Investments	2422.20	\$10.65	\$9.66	\$37.97	\$47.63	\$58.29
Buried Cable Investments	2423.20	\$1,795.74	\$1,628.99	\$6,400.92	\$8,029.91	\$9,825.65
Conduit Investments	2441.10	<u>\$4.72</u>	<u>\$4.28</u>	<u>\$16.82</u>	<u>\$21.10</u>	<u>\$25.82</u>
TOTAL 24XX Account		\$2,014.48	\$1,827.41	\$7,180.61	\$9,008.02	\$11,022.50

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

RADNOR

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 2.28 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	-0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,557.40	\$328.68	\$59.50	\$266.93	\$17.31	\$877.32	\$7.67
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$933.46	\$59.87	\$38.90	\$191.81	\$12.44	\$630.44	\$0.00
19	ENGINEERING & INSTALLATION	\$5,936.30	\$230.68	\$276.28	\$1,239.48	\$80.37	\$4,073.89	\$35.60
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Ln 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$8,427.17	\$619.24	\$374.68	\$1,698.22	\$110.11	\$5,581.66	\$43.26
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,225.45	\$127.88	\$52.11	\$242.27	\$15.57	\$782.06	\$5.56
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$300.31	\$15.91	\$14.15	\$63.90	\$4.05	\$200.90	\$1.40
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$78.60	\$38.09	\$11.33	\$6.08	\$0.66	\$22.04	\$0.40
29	PROPERTY TAX (Ln 12 * Ln 22)	\$135.60	\$9.96	\$6.03	\$27.33	\$1.77	\$89.81	\$0.70
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,739.96						
32								
33	COST PER MONTH (Ln 31 / 12)	\$145.00						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$4.64						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$149.64						
39								

Unbundled Loop Element Cost Study

OHIO

INVESTMENT SUMMARY

Fiber Loop	RADNOR	Facility Length	2.28	Miles
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SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,228.72	\$1,106.67	\$4,598.96	\$5,705.62	\$6,934.34
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS	\$1,557.40	\$1,110.42	\$4,825.88	\$5,936.30	\$7,493.71
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BREAKOUT OF 2232.xx INVESTMENT

REAKOUT OF 2232.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

REAKOUT OF 24xx.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
Pole Investments	2411.10	\$59.50	\$53.59	\$222.69	\$276.28	\$335.78
Aerial Cable Investments	2421.20	\$266.93	\$240.41	\$999.07	\$1,239.48	\$1,506.41
Underground Cable Investments	2422.20	\$17.31	\$15.59	\$64.78	\$80.37	\$97.67
Buried Cable Investments	2423.20	\$877.32	\$790.17	\$3,283.72	\$4,073.89	\$4,951.22
Conduit Investments	2441.10	<u>\$7.67</u>	<u>\$6.90</u>	<u>\$28.69</u>	<u>\$35.60</u>	<u>\$43.26</u>
TOTAL 24XX Account		\$1,228.72	\$1,106.67	\$4,598.96	\$5,705.62	\$6,934.34

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

RUSSELLVILLE

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 0.8 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00396	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$835.98	\$328.68	\$77.75	\$348.81	\$22.49	\$48.29	\$9.96
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$412.22	\$59.87	\$50.83	\$250.65	\$16.16	\$34.70	\$0.00
19	ENGINEERING & INSTALLATION	\$3,018.88	\$230.68	\$427.32	\$1,917.08	\$123.61	\$265.44	\$54.75
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$4,267.09	\$619.24	\$555.90	\$2,516.54	\$162.26	\$348.43	\$64.71
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$644.29	\$127.88	\$77.32	\$359.01	\$22.94	\$48.82	\$8.32
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$152.19	\$15.91	\$20.99	\$94.69	\$5.97	\$12.54	\$2.09
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$66.86	\$38.09	\$16.81	\$9.02	\$0.97	\$1.38	\$0.60
29	PROPERTY TAX (Ln 12 * Ln 22)	\$68.66	\$9.96	\$8.95	\$40.49	\$2.61	\$5.61	\$1.04
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$932.00						
32								
33	COST PER MONTH (Ln 31 / 12)	\$77.67						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$2.49						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$80.15						
39								

Fiber Loop	RUSSELLVILLE	Facility Length	0.80	Miles
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ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$507.30	\$443.81	\$2,344.39	\$2,788.20	\$3,295.50
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

\$835.98	\$447.57	\$2,571.31	\$3,018.88	\$3,854.86
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BREAKOUT OF 2232.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	\$328.68	\$3.76	\$226.92	\$230.68	\$559.36
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
Pole Investments	2411.10	\$77.75	\$68.02	\$359.30	\$427.32	\$505.07
Aerial Cable Investments	2421.20	\$348.81	\$305.15	\$1,611.93	\$1,917.08	\$2,265.89
Underground Cable Investments	2422.20	\$22.49	\$19.68	\$103.93	\$123.61	\$146.10
Buried Cable Investments	2423.20	\$48.29	\$42.25	\$223.18	\$265.44	\$313.73
Conduit Investments	2441.10	<u>\$9.96</u>	<u>\$8.71</u>	<u>\$46.04</u>	<u>\$54.75</u>	<u>\$64.71</u>
TOTAL 24XX Account		\$507.30	\$443.81	\$2,344.39	\$2,788.20	\$3,295.50

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

REPUBLIC

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.96 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,358.42	\$328.68	\$31.49	\$141.28	\$9.05	\$843.91	\$4.01
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$794.92	\$59.87	\$20.59	\$101.52	\$6.50	\$606.43	\$0.00
19	ENGINEERING & INSTALLATION	\$5,013.03	\$230.68	\$146.26	\$656.14	\$42.02	\$3,919.32	\$18.61
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17+19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$7,166.36	\$619.24	\$198.34	\$898.95	\$57.57	\$5,369.65	\$22.62
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,047.11	\$127.88	\$27.59	\$128.24	\$8.14	\$752.35	\$2.91
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$253.35	\$15.91	\$7.49	\$33.82	\$2.12	\$193.27	\$0.73
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$69.06	\$38.09	\$6.00	\$3.22	\$0.34	\$21.20	\$0.21
29	PROPERTY TAX (Ln 12 * Ln 22)	\$115.31	\$9.96	\$3.19	\$14.46	\$0.93	\$86.40	\$0.36
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,484.83						
32								
33	COST PER MONTH (Ln 31 / 12)	\$123.74						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$3.96						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$127.70						
39								

INVESTMENT SUMMARY

Miles

BREAKOUT OF 24xx.xx INVESTMENT	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$31.49	\$28.49	\$117.77	\$146.26	\$177.75
Aerial Cable Investments	2421.20	\$141.28	\$127.80	\$528.35	\$656.14	\$797.42
Underground Cable Investments	2422.20	\$9.05	\$8.18	\$33.84	\$42.02	\$51.07
Buried Cable Investments	2423.20	\$843.91	\$763.36	\$3,155.96	\$3,919.32	\$4,763.22
Conduit Investments	2441.10	\$4.01	\$3.63	\$14.99	\$18.61	\$22.62
TOTAL 24XX Account		\$1,029.74	\$931.45	\$3,850.89	\$4,782.35	\$5,812.08

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

RATHBONE

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 3.51 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,327.61	\$328.68	\$171.52	\$769.47	\$49.65	\$986.30	\$21.99
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,469.37	\$59.87	\$112.14	\$552.94	\$35.68	\$708.75	\$0.00
19	ENGINEERING & INSTALLATION	\$9,516.83	\$230.68	\$796.79	\$3,574.62	\$230.65	\$4,581.93	\$102.16
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$13,313.81	\$619.24	\$1,080.44	\$4,897.03	\$315.97	\$6,276.97	\$124.15
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,916.88	\$127.88	\$150.27	\$698.61	\$44.67	\$879.48	\$15.96
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$482.53	\$15.91	\$40.80	\$184.25	\$11.63	\$225.93	\$4.01
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$116.13	\$38.09	\$32.68	\$17.55	\$1.88	\$24.78	\$1.15
29	PROPERTY TAX (Ln 12 * Ln 22)	\$214.23	\$9.96	\$17.39	\$78.80	\$5.08	\$101.00	\$2.00
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,729.77						
32								
33	COST PER MONTH (Ln 31 / 12)	\$227.48						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$7.28						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$234.76						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop RATHBONE Facility Length 3.51 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,998.92	\$1,783.18	\$7,502.97	\$9,286.15	\$11,285.07
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,327.61	\$1,786.94	\$7,729.90	\$9,516.83	\$11,844.44
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$171.52	\$153.00	\$643.78	\$796.79	\$968.30
Aerial Cable Investments	2421.20	\$769.47	\$686.42	\$2,888.21	\$3,574.62	\$4,344.09
Underground Cable Investments	2422.20	\$49.65	\$44.29	\$186.36	\$230.65	\$280.30
Buried Cable Investments	2423.20	\$986.30	\$879.85	\$3,702.08	\$4,581.93	\$5,568.23
Conduit Investments	2441.10	<u>\$21.99</u>	<u>\$19.62</u>	<u>\$82.54</u>	<u>\$102.16</u>	<u>\$124.15</u>
TOTAL 24XX Account		\$1,998.92	\$1,783.18	\$7,502.97	\$9,286.15	\$11,285.07

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

RUTLAND

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 6.53 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$4,149.59	\$328.68	\$395.25	\$1,773.22	\$114.41	\$1,487.36	\$50.68
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$2,743.54	\$59.87	\$258.42	\$1,274.22	\$82.22	\$1,068.80	\$0.00
19	ENGINEERING & INSTALLATION	\$17,868.52	\$230.68	\$1,824.53	\$8,185.40	\$528.14	\$6,865.83	\$233.93
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$24,761.66	\$619.24	\$2,478.21	\$11,232.84	\$724.77	\$9,421.99	\$284.61
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$3,534.23	\$127.88	\$344.68	\$1,602.47	\$102.47	\$1,320.13	\$36.58
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$907.13	\$15.91	\$93.58	\$422.64	\$26.68	\$339.13	\$9.18
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$197.45	\$38.09	\$74.96	\$40.25	\$4.32	\$37.20	\$2.63
29	PROPERTY TAX (Ln 12 * Ln 22)	\$398.44	\$9.96	\$39.88	\$180.75	\$11.66	\$151.61	\$4.58
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$5,037.25						
32								
33	COST PER MONTH (Ln 31 / 12)	\$419.77						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$13.44						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$433.21						
39								

Unbundled Loop Element Cost Study
OHIO

INVESTMENT SUMMARY

Fiber Loop RUTLAND Facility Length 6.53 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$3,820.91	\$3,392.17	\$14,245.67	\$17,637.84	\$21,458.75
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$4,149.59	\$3,395.93	\$14,472.60	\$17,868.52	\$22,018.12
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$395.25	\$350.90	\$1,473.63	\$1,824.53	\$2,219.79
Aerial Cable Investments	2421.20	\$1,773.22	\$1,574.24	\$6,611.16	\$8,185.40	\$9,958.62
Underground Cable Investments	2422.20	\$114.41	\$101.57	\$426.57	\$528.14	\$642.55
Buried Cable Investments	2423.20	\$1,487.36	\$1,320.46	\$5,545.37	\$6,865.83	\$8,353.19
Conduit Investments	2441.10	<u>\$50.68</u>	<u>\$44.99</u>	<u>\$188.94</u>	<u>\$233.93</u>	<u>\$284.61</u>
TOTAL 24XX Account		\$3,820.91	\$3,392.17	\$14,245.67	\$17,637.84	\$21,458.75

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

RAWSON

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 5.82 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	-0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$3,479.43	\$328.68	\$162.51	\$729.08	\$47.18	\$2,191.09	\$20.90
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$2,298.44	\$59.87	\$106.25	\$523.91	\$33.90	\$1,574.50	\$0.00
19	ENGINEERING & INSTALLATION	\$14,404.52	\$230.68	\$731.07	\$3,279.79	\$212.25	\$9,856.72	\$94.01
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$20,182.39	\$619.24	\$999.83	\$4,532.78	\$293.33	\$13,622.31	\$114.91
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,878.48	\$127.88	\$139.06	\$646.64	\$41.47	\$1,908.65	\$14.77
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$729.03	\$15.91	\$37.76	\$170.55	\$10.80	\$490.32	\$3.71
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$141.17	\$38.09	\$30.24	\$16.24	\$1.75	\$53.79	\$1.06
29	PROPERTY TAX (Ln 12 * Ln 22)	\$324.75	\$9.96	\$16.09	\$72.94	\$4.72	\$219.20	\$1.85
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$4,073.44						
32								
33	COST PER MONTH (Ln 31 / 12)	\$339.45						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$10.87						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$350.32						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop RAWSON Facility Length 5.82 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$3,150.75	\$2,835.56	\$11,338.28	\$14,173.84	\$17,324.59
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$3,479.43	\$2,839.31	\$11,565.21	\$14,404.52	\$17,883.95
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$162.51	\$146.25	\$584.81	\$731.07	\$893.58
Aerial Cable Investments	2421.20	\$729.08	\$656.14	\$2,623.65	\$3,279.79	\$4,008.87
Underground Cable Investments	2422.20	\$47.18	\$42.46	\$169.78	\$212.25	\$259.43
Buried Cable Investments	2423.20	\$2,191.09	\$1,971.89	\$7,884.83	\$9,856.72	\$12,047.81
Conduit Investments	2441.10	<u>\$20.90</u>	<u>\$18.81</u>	<u>\$75.20</u>	<u>\$94.01</u>	<u>\$114.91</u>
TOTAL 24XX Account		\$3,150.75	\$2,835.56	\$11,338.28	\$14,173.84	\$17,324.59

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

SABINA

VS + VIS

BNF:

DESCRIPTION: HICAP Fiber Loop Facility

Facility Length 0.84 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$812.36	\$328.68	\$45.00	\$201.86	\$13.03	\$218.01	\$5.77
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$400.38	\$59.87	\$29.42	\$145.06	\$9.36	\$156.66	\$0.00
19	ENGINEERING & INSTALLATION	\$2,733.69	\$230.68	\$232.85	\$1,044.65	\$67.43	\$1,128.21	\$29.87
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$3,946.42	\$619.24	\$307.27	\$1,391.57	\$89.83	\$1,502.88	\$35.64
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$596.99	\$127.88	\$42.74	\$198.52	\$12.70	\$210.57	\$4.58
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$138.42	\$15.91	\$11.60	\$52.36	\$3.31	\$54.09	\$1.15
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$59.17	\$38.09	\$9.29	\$4.99	\$0.54	\$5.93	\$0.33
29	PROPERTY TAX (Ln 12 * Ln 22)	\$63.50	\$9.96	\$4.94	\$22.39	\$1.45	\$24.18	\$0.57
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$858.08						
32								
33	COST PER MONTH (Ln 31 / 12)	\$71.51						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$2.29						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$73.80						
39								

INVESTMENT SUMMARY

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$483.67	\$430.63	\$2,072.37	\$2,503.01	\$2,986.68
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS	\$812.36	\$434.39	\$2,299.30	\$2,733.69	\$3,546.05
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BREAKOUT OF 2232.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
Pole Investments	2411.10	\$45.00	\$40.06	\$192.79	\$232.85	\$277.85
Aerial Cable Investments	2421.20	\$201.86	\$179.73	\$864.92	\$1,044.65	\$1,246.51
Underground Cable Investments	2422.20	\$13.03	\$11.60	\$55.83	\$67.43	\$80.46
Buried Cable Investments	2423.20	\$218.01	\$194.10	\$934.10	\$1,128.21	\$1,346.22
Conduit Investments	2441.10	<u>\$5.77</u>	<u>\$5.14</u>	<u>\$24.73</u>	<u>\$29.87</u>	<u>\$35.64</u>
TOTAL 24XX Account		\$483.67	\$430.63	\$2,072.37	\$2,503.01	\$2,986.68

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

SCIO

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 3.5 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,310.72	\$328.68	\$162.68	\$729.83	\$47.12	\$1,021.54	\$20.87
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,458.62	\$59.87	\$106.36	\$524.45	\$33.86	\$734.07	\$0.00
19	ENGINEERING & INSTALLATION	\$9,420.98	\$230.68	\$754.31	\$3,384.05	\$218.49	\$4,736.68	\$96.78
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$13,190.32	\$619.24	\$1,023.35	\$4,638.33	\$299.47	\$6,492.29	\$117.65
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,899.03	\$127.88	\$142.33	\$661.70	\$42.34	\$909.65	\$15.12
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$477.57	\$15.91	\$38.64	\$174.52	\$11.02	\$233.68	\$3.80
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$114.17	\$38.09	\$30.95	\$16.62	\$1.79	\$25.63	\$1.09
29	PROPERTY TAX (Ln 12 * Ln 22)	\$212.25	\$9.96	\$16.47	\$74.64	\$4.82	\$104.47	\$1.89
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,703.02						
32								
33	COST PER MONTH (Ln 31 / 12)	\$225.25						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$7.21						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$232.46						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop SCIO Facility Length 3.50 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,982.04	\$1,769.87	\$7,420.43	\$9,190.30	\$11,172.34
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,310.72	\$1,773.63	\$7,647.36	\$9,420.98	\$11,731.71
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	\$328.68	\$3.76	\$226.92	\$230.68	\$559.36
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$162.68	\$145.26	\$609.04	\$754.31	\$916.99
Aerial Cable Investments	2421.20	\$729.83	\$651.70	\$2,732.35	\$3,384.05	\$4,113.88
Underground Cable Investments	2422.20	\$47.12	\$42.08	\$176.41	\$218.49	\$265.61
Buried Cable Investments	2423.20	\$1,021.54	\$912.19	\$3,824.49	\$4,736.68	\$5,758.22
Conduit Investments	2441.10	\$20.87	\$18.64	\$78.14	\$96.78	\$117.65
TOTAL 24XX Account		\$1,982.04	\$1,769.87	\$7,420.43	\$9,190.30	\$11,172.34

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

SCOTT

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 4.33 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,906.00	\$328.68	\$294.72	\$1,322.19	\$85.30	\$837.31	\$37.78
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,865.67	\$59.87	\$192.69	\$950.12	\$61.30	\$601.69	\$0.00
19	ENGINEERING & INSTALLATION	\$12,314.37	\$230.68	\$1,381.78	\$6,199.08	\$399.94	\$3,925.73	\$177.15
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$17,086.04	\$619.24	\$1,869.19	\$8,471.40	\$546.54	\$5,364.74	\$214.93
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$2,452.96	\$127.88	\$259.98	\$1,208.53	\$77.27	\$751.66	\$27.63
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$625.38	\$15.91	\$70.58	\$318.74	\$20.12	\$193.10	\$6.93
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$151.40	\$38.09	\$56.54	\$30.35	\$3.26	\$21.18	\$1.99
29	PROPERTY TAX (Ln 12 * Ln 22)	\$274.93	\$9.96	\$30.08	\$136.31	\$8.79	\$86.32	\$3.46
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$3,504.68						
32								
33	COST PER MONTH (Ln 31 / 12)	\$292.06						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$9.35						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$301.41						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop SCOTT Facility Length 4.33 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$2,577.31	\$2,281.10	\$9,802.59	\$12,083.69	\$14,661.00
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,906.00	\$2,284.86	\$10,029.52	\$12,314.37	\$15,220.37
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$294.72	\$260.85	\$1,120.94	\$1,381.78	\$1,676.50
Aerial Cable Investments	2421.20	\$1,322.19	\$1,170.23	\$5,028.85	\$6,199.08	\$7,521.28
Underground Cable Investments	2422.20	\$85.30	\$75.50	\$324.44	\$399.94	\$485.24
Buried Cable Investments	2423.20	\$837.31	\$741.08	\$3,184.65	\$3,925.73	\$4,763.05
Conduit Investments	2441.10	<u>\$37.78</u>	<u>\$33.44</u>	<u>\$143.71</u>	<u>\$177.15</u>	<u>\$214.93</u>
TOTAL 24XX Account		\$2,577.31	\$2,281.10	\$9,802.59	\$12,083.69	\$14,661.00

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

SCIOTOVILLE

VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

Facility Length 1.28 Miles

INVESTMENT / COST FACTORS		Cable Term	Poles	Aerial Cable	Ungnd Cable	Buried Cable	Conduit
		Eqpt		Nonmetallic	Nonmetallic	Nonmetallic	
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$1,151.91	\$328.68	\$133.05	\$596.92	\$38.50	\$37.69	\$17.05
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$630.57	\$59.87	\$86.99	\$428.94	\$27.67	\$27.09	\$0.00
19	ENGINEERING & INSTALLATION	\$4,503.18	\$230.68	\$690.54	\$3,097.98	\$199.82	\$195.63	\$88.51
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$6,285.65	\$619.24	\$910.58	\$4,123.85	\$265.99	\$260.41	\$105.56
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$930.51	\$127.88	\$126.65	\$588.31	\$37.61	\$36.49	\$13.57
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$228.03	\$15.91	\$34.39	\$155.16	\$9.79	\$9.37	\$3.41
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$83.99	\$38.09	\$27.54	\$14.78	\$1.59	\$1.03	\$0.98
29	PROPERTY TAX (Ln 12 * Ln 22)	\$101.14	\$9.96	\$14.65	\$66.36	\$4.28	\$4.19	\$1.70
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$1,343.67						
32								
33	COST PER MONTH (Ln 31 / 12)	\$111.97						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$3.58						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$115.56						
39								

INVESTMENT SUMMARY

Miles

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$823.23	\$718.30	\$3,554.19	\$4,272.49	\$5,095.72
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

\$1,151.91	\$722.06	\$3,781.12	\$4,503.18	\$5,655.09
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BREAKOUT OF 2232.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

REAKOUT OF 24xx.xx INVESTMENT		MATERIAL	ENGINEER	INSTALL	E&I	
	FCC ACCT	COST	COST	COST	TOTAL	TOTAL
Pole Investments	2411.10	\$133.05	\$116.10	\$574.45	\$690.54	\$823.60
Aerial Cable Investments	2421.20	\$596.92	\$520.84	\$2,577.14	\$3,097.98	\$3,694.90
Underground Cable Investments	2422.20	\$38.50	\$33.60	\$166.23	\$199.82	\$238.33
Buried Cable Investments	2423.20	\$37.69	\$32.89	\$162.74	\$195.63	\$233.33
Conduit Investments	2441.10	<u>\$17.05</u>	<u>\$14.88</u>	<u>\$73.63</u>	<u>\$88.51</u>	<u>\$105.56</u>
TOTAL 24XX Account		\$823.23	\$718.30	\$3,554.19	\$4,272.49	\$5,095.72

GTE
COMPANY

Unbundled Loop Element Cost Study

OHIO

BASIC NETWORK FUNCTION COST STUDY

STATE: OHIO

SEAMAN

VS + VIS

BNF:

DESCRIPTION: HICAP Fiber Loop Facility

Facility Length 2.68 Miles

INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
		2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1							
2	<u>INVESTMENT LOADINGS</u>						
3							
4	MATERIAL LOADINGS	0.18216	0.65381	0.71859	0.71859	0.71859	0.00000
5	INVESTMENT FACTOR						
6							
7	<u>ANNUAL EXPENSE FACTORS</u>						
8							
9	CAPITAL RECOVERY	0.20652	0.13909	0.14266	0.14139	0.14011	0.12854
10	COMPOSITE INCOME TAX	0.02569	0.03776	0.03763	0.03681	0.03599	0.03226
11	MAINTENANCE & SUPPORT WHOLESALE	0.06151	0.03025	0.00358	0.00596	0.00395	0.00925
12	PROPERTY TAX	0.01609	0.01609	0.01609	0.01609	0.01609	0.01609
13	SALES, ADV, MKTG	0.03202					

CALCULATION OF MONTHLY COST		TOTAL	2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
14								
15	<u>INVESTMENT</u>							
16								
17	EQUIPMENT INVESTMENT	\$2,034.68	\$328.68	\$265.35	\$1,190.43	\$76.80	\$139.40	\$34.02
18	MATERIAL LOADINGS (Ln 4 * Ln 17)	\$1,244.16	\$59.87	\$173.49	\$855.44	\$55.19	\$100.17	\$0.00
19	ENGINEERING & INSTALLATION	\$8,557.71	\$230.68	\$1,295.17	\$5,810.54	\$374.87	\$680.40	\$166.05
20	SOFTWARE	\$0.00						
21	INVESTMENT FACTOR (Ln 5 * Lns 17-19)	\$0.00						
22	TOTAL INVESTMENT (Sum Ln 17..Ln 21)	\$11,836.56	\$619.24	\$1,734.01	\$7,856.41	\$506.86	\$919.97	\$200.06
23								
24	<u>ANNUAL OPERATING EXPENSES</u>							
25								
26	CAPITAL RECOVERY (Ln 9 * Ln 22)	\$1,716.13	\$127.88	\$241.18	\$1,120.79	\$71.66	\$128.90	\$25.72
27	COMPOSITE INCOME TAX (Ln 10 * Ln 22)	\$435.22	\$15.91	\$65.48	\$295.60	\$18.66	\$33.11	\$6.45
28	MAINTENANCE & SUPPORT (Ln 11 * Ln 22)	\$127.19	\$38.09	\$52.45	\$28.15	\$3.02	\$3.63	\$1.85
29	PROPERTY TAX (Ln 12 * Ln 22)	\$190.46	\$9.96	\$27.90	\$126.42	\$8.16	\$14.80	\$3.22
30								
31	TOTAL ANNUAL COST (Sum Ln 26..Ln 29)	\$2,469.00						
32								
33	COST PER MONTH (Ln 31 / 12)	\$205.75						
34								
35								
36	SALES/MKTG/ADV (ABC) (Ln 13 * Ln 33)	\$6.59						
37								
38	TOTAL COST PER MONTH (Ln 36 + Ln 33)	\$212.34						
39								

Unbundled Loop Element Cost Study
OHIO
INVESTMENT SUMMARY

Fiber Loop SEAMAN Facility Length 2.68 Miles

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX	\$1,706.00	\$1,491.43	\$6,835.61	\$8,327.03	\$10,033.03
FIBER PANEL CDL	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68
FIBER PANEL C.O.	2232.23	\$164.34	\$1.88	\$113.46	\$115.34	\$279.68

TOTAL all ACCOUNTS

\$2,034.68	\$1,495.18	\$7,062.53	\$8,557.71	\$10,592.40
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BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
TOTAL Circuit Equipment	2232.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminal Equipment	2232.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL Fiber Terminating Equipment	2232.23	<u>\$328.68</u>	<u>\$3.76</u>	<u>\$226.92</u>	<u>\$230.68</u>	<u>\$559.36</u>
TOTAL 2232 Account		\$328.68	\$3.76	\$226.92	\$230.68	\$559.36

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
Pole Investments	2411.10	\$265.35	\$231.97	\$1,063.20	\$1,295.17	\$1,560.52
Aerial Cable Investments	2421.20	\$1,190.43	\$1,040.71	\$4,769.83	\$5,810.54	\$7,000.97
Underground Cable Investments	2422.20	\$76.80	\$67.14	\$307.73	\$374.87	\$451.68
Buried Cable Investments	2423.20	\$139.40	\$121.86	\$558.54	\$680.40	\$819.80
Conduit Investments	2441.10	<u>\$34.02</u>	<u>\$29.74</u>	<u>\$136.31</u>	<u>\$166.05</u>	<u>\$200.06</u>
TOTAL 24XX Account		\$1,706.00	\$1,491.43	\$6,835.61	\$8,327.03	\$10,033.03