

HAI Model Release 5.0a - Expense Module																						
Density Zone Level Calculations																						
density zone (lines/sq. m)	feeder type	total lines	business lines	residential lines	special access lines	public lines	single line business lines	households	copper feeder cable u/g	copper feeder cable buried	copper feeder cable aerial	fiber feeder cable u/g	fiber feeder cable buried	fiber feeder cable aerial	feeder conduit	feeder manholes	copper feeder u/g placement	fiber feeder u/g placement	copper feeder buried placement	fiber feeder buried placement		
0	DLC																					
5	DLC	1,435	42	1,386	7	0	7	1,364	\$	-	\$	-	\$	-	\$	747,271	\$	36,903	\$	-	\$	243,227
100	DLC	1,500	436	989	71	5	29	968	\$	-	\$	-	\$	-	\$	13,725	\$	622	\$	-	\$	114,041
200	DLC																					
650	DLC																					
850	DLC																					
2550	DLC																					
5000	DLC																					
10000	DLC																					
0	non-DLC																					
5	non-DLC																					
100	non-DLC																					
200	non-DLC																					
650	non-DLC																					
850	non-DLC																					
2550	non-DLC																					
5000	non-DLC																					
10000	non-DLC																					
Totals/Avgs		2,935	477	2,374	78	5	36	2,332	\$	-	\$	-	\$	-	\$	760,996	\$	37,525	\$	-	\$	357,268

Universal Service Calculation Sheet - monthly costs per line

Missouri
Seneca Tel Co

	0 - 5 lines/sq mi	5 - 100 lines/sq mi	100 - 200 lines/sq mi	200 - 650 lines/sq mi	650 - 850 lines/sq mi	850 - 2,550 lines/sq mi	2,550 - 5,000 lines/sq mi	5,000 - 10,000 lines/sq mi	> 10,000 lines/sq mi	Weighted Average
Local network costs										
Loop	\$ -	\$ 76.06	\$ 25.42	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50.73
Port	-	2.54	2.54	-	-	-	-	-	-	2.54
End office usage	-	3.37	3.37	-	-	-	-	-	-	3.37
Signaling	-	0.06	0.06	-	-	-	-	-	-	0.06
Transport	-	1.50	1.50	-	-	-	-	-	-	1.50
Local retail costs										
Billing/bill inquiries	\$ -	\$ 2.74	\$ 2.74	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.74
Directory listing	-	-	-	-	-	-	-	-	-	-
LNP expense (when available)	-	0.30	0.30	-	-	-	-	-	-	0.30
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Basic Local Service										
Avg monthly cost per line	\$ -	\$ 86.57	\$ 35.93	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 61.24
@ Residence usage per line	\$ -	\$ 86.44	\$ 35.80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65.35
@ Business usage per line	\$ -	\$ 87.22	\$ 36.59	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41.02
Total switched lines	-	1,428	1,429	-	-	-	-	-	-	2,857
Primary residence lines	-	1,364	968	-	-	-	-	-	-	2,332
Secondary residence lines	-	22	21	-	-	-	-	-	-	43
Single line business lines	-	7	29	-	-	-	-	-	-	36
Multiline business lines	-	35	406	-	-	-	-	-	-	441
Public lines	-	0	5	-	-	-	-	-	-	5
FEDERAL FUND ANALYSIS										
Annual Support for line types:										
	Specify	Bench mark								
Primary residence lines	X	\$31.00	\$ 0	\$ 907,365	\$ 55,749	\$ -	\$ -	\$ -	\$ -	\$ 963,113
Secondary residence lines		\$31.00	\$ 0	\$ 14,413	\$ 1,217	\$ -	\$ -	\$ -	\$ -	\$ 15,630
Single line business lines	X	\$51.00	\$ 0	\$ 3,101	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,101
Multiline business lines		\$51.00	\$ 0	\$ 15,052	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,052
Public lines		\$51.00	\$ 0	\$ 201	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 201
Support cost if all lines supported			\$ 0	\$ 940,132	\$ 56,965	\$ -	\$ -	\$ -	\$ -	\$ 997,097
Total annual support for specified lines										
@25% Federal allocation			\$ -	\$ 227,616	\$ 13,937	\$ -	\$ -	\$ -	\$ -	\$ 241,554
@Implied 75% State allocation			\$ -	\$ 682,849	\$ 41,812	\$ -	\$ -	\$ -	\$ -	\$ 724,661

Total Annual Support for Primary Residence Lines at Pre-Selected Monthly Benchmarks

\$20.00	\$ 0	\$ 1,087,413	\$ 183,462	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,270,875
\$30.00	\$ 0	\$ 923,733	\$ 67,359	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 991,092
\$40.00	\$ 0	\$ 760,053	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 760,053
\$50.00	\$ 0	\$ 596,373	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 596,373
\$60.00	\$ 0	\$ 432,693	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 432,693
\$70.00	\$ 0	\$ 269,013	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 269,013
\$80.00	\$ 0	\$ 105,333	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105,333

STATE FUND ANALYSIS																
Annual Support for line types:	Specify	Bench mark														
Primary residence lines	X	\$31.00	\$	0	\$	907,365	\$	55,749	\$	-	\$	-	\$	-	\$	963,113
Secondary residence lines		\$31.00	\$	0	\$	14,413	\$	1,217	\$	-	\$	-	\$	-	\$	15,630
Single line business lines	X	\$51.00	\$	0	\$	3,101	\$	-	\$	-	\$	-	\$	-	\$	3,101
Multiline business lines		\$51.00	\$	0	\$	15,052	\$	-	\$	-	\$	-	\$	-	\$	15,052
Public lines		\$51.00	\$	0	\$	201	\$	-	\$	-	\$	-	\$	-	\$	201
Support cost if all lines supported			\$	0	\$	940,132	\$	56,965	\$	-	\$	-	\$	-	\$	997,097
Total annual support for specified lines			\$	-	\$	910,466	\$	55,749	\$	-	\$	-	\$	-	\$	966,214
@75% State allocation			\$	-	\$	682,849	\$	41,812	\$	-	\$	-	\$	-	\$	724,661
@Implied 25% Federal allocation			\$	-	\$	227,616	\$	13,937	\$	-	\$	-	\$	-	\$	241,554

TOTAL FUND ANALYSIS														
25% Federal allocation from Federal Fund Analysis	\$	-	\$	227,616	\$	13,937	\$	-	\$	-	\$	-	\$	241,554
75% State allocation from State Fund Analysis	\$	-	\$	682,849	\$	41,812	\$	-	\$	-	\$	-	\$	724,661
Total Federal + State fund	\$	-	\$	910,466	\$	55,749	\$	-	\$	-	\$	-	\$	966,214

Module release date: 11/4/1997

COST OF NETWORK ELEMENTS

**Missouri
Seneca Tel Co**

Loop elements	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
NID										
Annual Cost	\$ -	\$ 10,398	\$ 8,985	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,383
Unit Cost/month	-	0.60	0.50	-	-	-	-	-	-	0.55
Loop Distribution (DLC)										
Annual Cost	\$ -	\$ 864,530	\$ 336,753	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,201,283
Unit Cost/month	-	50.22	18.71	-	-	-	-	-	-	34.11
Loop Distribution (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Distribution (all)										
Annual Cost	\$ -	\$ 864,530	\$ 336,753	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,201,283
Unit Cost/month	-	50.22	18.71	-	-	-	-	-	-	34.11
Loop Concentration (DLC)										
Annual Cost	\$ -	\$ 139,703	\$ 66,606	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 206,310
Unit Cost/month	-	8.11	3.70	-	-	-	-	-	-	5.86
Loop Concentration (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Concentration (all)										
Annual Cost	\$ -	\$ 139,703	\$ 66,606	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 206,310
Unit Cost/month	-	8.11	3.70	-	-	-	-	-	-	5.86
Loop Feeder (DLC)										
Annual Cost	\$ -	\$ 272,786	\$ 37,603	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 310,389
Unit Cost/month	-	15.84	2.09	-	-	-	-	-	-	8.81
Loop Feeder (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Feeder (all)										
Annual Cost	\$ -	\$ 272,786	\$ 37,603	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 310,389
Unit Cost/month	-	15.84	2.09	-	-	-	-	-	-	8.81
Total Loop (DLC)										
Annual Cost	\$ -	\$ 1,287,418	\$ 449,947	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,737,365
Unit Cost/month	-	74.78	25.00	-	-	-	-	-	-	49.33
Total Loop (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Total Loop (all)										
Annual Cost	\$ -	\$ 1,287,418	\$ 449,947	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,737,365
Unit Cost/month	-	74.78	25.00	-	-	-	-	-	-	49.33
Total lines	-	1,435	1,500	-	-	-	-	-	-	2,935
Total lines served by DLC	-	1,435	1,500	-	-	-	-	-	-	2,935

	Annual Cost	Units	Unit Cost
End office switching	\$ 285,455		
Line Port	85,637	2,857 switched lines	\$ 2.50 per line/month
Non-Line Port	199,819	32,872,951 actual minutes	\$ 0.00608 per actual minute (for rate per DEM, see "Cost detail" sheet)
Signaling network elements	\$ 10,339		
Links	3,381	4 links	\$ 71.55 per link per month
STP	4,556	18,608,211 TCAP+ISUP msgs	\$ 0.00024 per signaling message
SCP	2,402	1,888,400 TCAP queries	\$ 0.00127 per query
Transport network elements			
<i>Dedicated</i>			
Sw+Sp Transport	\$ 99,304	158 trunks	\$ 52.53 per DS-0 equivalent per month
Switched	50,282	80 trunks	\$ 0.00523 per minute
Special	49,022	78 trunks	
Transmission Terminal	26,106	158 trunks	\$ 13.81 per DS-0 equivalent per month
			\$ 0.00137 per minute
			\$ 0.00660 total per minute
<i>Common</i>			
Transport	\$ 148,482	14,246,088 minutes	\$ 0.00540 per minute per leg (orig or term)
Transmission Terminal	38,297	14,246,088 minutes	\$ 0.00139 per minute
			\$ 0.00680 total per minute
<i>Direct</i>			
Transport	\$ 39,677	1,913,166 minutes	\$ 0.02074 per minute
Transmission Terminal	10,339	1,913,166 minutes	\$ 0.00540 per minute
			\$ 0.02614 total per minute
Tandem switch	\$ 4,234	12,430,689 minutes	\$ 0.00034 per minute
Operator systems	\$ 29,471		
Public Telephones	\$ 2,126		
Total (w/ Public)	\$ 2,431,194		
Total cost of switched network elements (w/o Public)	\$ 67.70	per line/month	

HA

density zone (lines/sq mi)	feeder type	feeder pole inv	distribution cable underground	distribution cable buried	distribution cable aerial	distribution conduit	distribution conduit placement	distribution buried placement	distribution poles	calc copper feeder fill	calc distribution fill	calc "mainframe fill"	DLC inv w/site	SAI inv	terminal inv	drop inv	NID inv	feeder distance
0	DLC																	
5	DLC	\$ 21,985	\$ -	\$ 1,267,281	\$ 64,134	\$ -	\$ -	\$ 1,564,817	\$ 81,841	0.00%	29.71%	0.00%	\$ 488,600	\$ 15,000	\$ 120,443	\$ 148,070	\$ 40,343	242,712
100	DLC	\$ 13,360	\$ -	\$ 643,834	\$ 32,583	\$ -	\$ -	\$ 415,175	\$ 24,391	0.00%	41.67%	0.00%	\$ 230,510	\$ 8,200	\$ 62,965	\$ 83,045	\$ 35,448	10,007
200	DLC																	
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non-DLC																	
5	non-DLC																	
100	non-DLC																	
200	non-DLC																	
650	non-DLC																	
850	non-DLC																	
2550	non-DLC																	
5000	non-DLC																	
10000	non-DLC																	
Totals/Avg		\$ 35,345	\$ -	\$ 1,911,115	\$ 96,716	\$ -	\$ -	\$ 1,979,992	\$ 106,231				\$ 717,110	\$ 23,200	\$ 183,408	\$ 231,115	\$ 75,791	252,719

HA																			
density zone (lines/sq mi)	feeder type	total distribution distance	DLC lines	end office switching	MDF/protector inv	end office wire center	land	local tandem switching	local tandem wire center	OS tandem switching	OS tandem wire center	OS trunks	operator position	common transport, u/g	common transport, buried	common transport, aerial	common transport, poles	common transport, conduit	
0	DLC																		
5	DLC	815,992	1,435	\$ 398,962	\$ -	\$ 61,224	\$ 11,155	\$ 2,713	\$ 3,570	\$ 1,142	\$ 1,428	\$ 55,242	\$ 2,108	\$	\$ 460,356	\$ 13,666	\$ 7,220	\$ -	
100	DLC	205,756	1,500	\$ 399,299	\$ -	\$ 61,276	\$ 8,845	\$ 2,715	\$ 3,573	\$ 1,143	\$ 1,429	\$ 8,305	\$ 2,109	\$	\$ 72,523	\$ 2,119	\$ 1,455	\$ -	
200	DLC																		
650	DLC																		
850	DLC																		
2550	DLC																		
5000	DLC																		
10000	DLC																		
0	non-DLC																		
5	non-DLC																		
100	non-DLC																		
200	non-DLC																		
650	non-DLC																		
850	non-DLC																		
2550	non-DLC																		
5000	non-DLC																		
10000	non-DLC																		
Totals/Avg		1,021,748	2,935	\$ 798,261	\$ -	\$ 122,500	\$ 20,000	\$ 5,428	\$ 7,143	\$ 2,286	\$ 2,857	\$ 63,547	\$ 4,217	\$ -	\$ 532,879	\$ 15,785	\$ 8,675	\$ -	

HA																		
density zone (lines/sq mi)	feeder type	common transport, manholes	common transmission terminal inv	direct transport, u/g	direct transport, buried	direct transport, aerial	direct transport, poles	direct transport, conduit	direct transport, manholes	direct transmission terminal inv	dedicated transport, u/g	dedicated transport, buried	dedicated transport, aerial	dedicated transport, poles	dedicated transport, conduit	dedicated transport, manholes	dedicated transmission terminal inv	prop local direct trunks
0	DLC																	
5	DLC		\$ 103,937	\$	\$ 121,752	\$ 3,614	\$ 1,914	\$ -		\$ 27,654		\$ 301,944	\$ 8,961	\$ 4,756	\$ -		\$ 68,951	26
100	DLC		\$ 28,350	\$	\$ 20,525	\$ 600	\$ 412	\$ -		\$ 8,024		\$ 53,892	\$ 1,575	\$ 1,081	\$ -		\$ 21,067	11
200	DLC																	
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non-DLC																	
5	non-DLC																	
100	non-DLC																	
200	non-DLC																	
650	non-DLC																	
850	non-DLC																	
2550	non-DLC																	
5000	non-DLC																	
10000	non-DLC																	
Totals/Avg		\$ -	\$ 132,287	\$ -	\$ 142,278	\$ 4,214	\$ 2,326	\$ -	\$ -	\$ 35,678	\$ -	\$ 355,836	\$ 10,536	\$ 5,837	\$ -	\$ -	\$ 90,018	37

HA															
density zone (lines/sq mi)	feeder type	prop local tandem trunks	prop intraLATA direct trunks	prop intraLATA tandem trunks	prop access dedicated trunks	prop access tandem trunks	prop operator trunks	SCP investment	SCP wire center inv	STP inv	signaling link inv	total public telephone inv	total residential annual DEMs	total business annual DEMs	Total Investment
0	DLC														-
5	DLC	5	1	42	110	117	16	3,570 \$	571 \$	7,853 \$	9,723 \$	1,650	21,435,429	947,490	6,523,552
100	DLC	2	1	17	47	45	7	3,573 \$	572 \$	7,860 \$	1,939 \$	2,372	15,293,653	9,882,428	2,394,531
200	DLC														-
650	DLC														-
850	DLC														-
2550	DLC														-
5000	DLC														-
10000	DLC														-
0	non-DLC														-
5	non-DLC														-
100	non-DLC														-
200	non-DLC														-
650	non-DLC														-
850	non-DLC														-
2550	non-DLC														-
5000	non-DLC														-
10000	non-DLC														-
Totals/Avg		7	2	59	158	162	23	7,143 \$	1,143 \$	15,714 \$	11,662 \$	4,023	36,729,082	10,829,918	8,918,083

	interconnected at			
	end office	tandem		wtd average
Local interconnection				
EO switching	\$ 0.00608	\$ 0.00608		
ISUP	\$ 0.00051	\$ 0.00051		
Common Transport	\$ -	\$ 0.00680		
Tandem Switching	\$ -	\$ 0.00034		
TOTAL	\$ 0.00659	\$ 0.01373	n/a	

IXC switched access				
EO switching	\$ 0.00608	\$ 0.00608		
ISUP	\$ 0.00051	\$ 0.00051		
Dedicated Transport	\$ 0.00660	\$ 0.00660		
Common Transport	\$ -	\$ 0.00680		
Tandem Switching	\$ -	\$ 0.00034		
TOTAL	\$ 0.01320	\$ 0.02033	\$ 0.02033	

Signaling detail				
cost per 800 call attempt (TCAP)	\$ 0.0030			
ISUP cost/transaction	\$ 0.00268			
ISUP cost/completion	0.0038			
IXC switched access MOU/comp	7.45			
ISUP cost/min	\$ 0.000514			
D link per month	\$ -			

Switching detail

The HAI Model engineers switch capacity based on the number of times calls have to pass through a switch fabric. For intraswitch calls, this is once. Because some rate structures for unbundled switching may impose two switch charges -- even when the call only passes through the switch once, the appropriate way to calculate the level of such switch charges is to divide the total usage cost of switching by DEMs (rather than actual switched minutes), because two DEMs are counted even when a call originates and terminates on the same switch.

Switch non-line port annual cost	199,819
Total DEMs	47,559,000
Cost per DEM \$	0.00420

Dedicated Transport Costs Per Trunk

DS-0 per month	
Transport per month	\$ 52.53
Terminal per month *	\$ 171.24
TOTAL	\$ 223.77

DS-1 per month	
Transport per month	\$ 1,260.70
Terminal per month	\$ 331.43
TOTAL	\$ 1,592.13

DS-3 per month	
Transport per month	\$ 35,299.70
Terminal per month	\$ 937.38
TOTAL	\$ 36,237.08

Trunk Port Costs

per trunk port (DS-0 equivalent) per month	\$ 2.98
per trunk port minute	\$ 0.000297

total EO usage per minute	\$ 0.006079
trk port/min	\$ 0.000297
other	\$ 0.005782

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	weighted average
calculated distribution fill (DLC)	0.0%	29.7%	41.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	35.8%
calculated distribution fill (non-DLC)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	#DIV/0!
weighted average										#DIV/0!

Per DS0 Transport Calculations

Entrance Facility Investment per Line	\$ -
Total Dedicated Terminal Investment	90,018
Total Lines	2,935
Total Dedicated Terminal Investment per line	\$ 31
Entrance Facility percent to total	\$ -
Terminal Investment per DS-0	\$ 571
Transport Investment per DS-0	\$ 2,363

Network-Related Expenses

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
NID										
Annual Capital Cost	\$ - \$	6,455 \$	5,672 \$	- \$	- \$	- \$	- \$	- \$	- \$	12,127
Network Expenses	\$ - \$	1,374 \$	1,076 \$	- \$	- \$	- \$	- \$	- \$	- \$	2,451
Direct expense	\$ - \$	7,830 \$	6,748 \$	- \$	- \$	- \$	- \$	- \$	- \$	14,578
Investment	\$ - \$	40,343 \$	35,448 \$	- \$	- \$	- \$	- \$	- \$	- \$	75,791
Support & Overhead per line	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Support & Overhead per direct exp.	\$ - \$	2,509 \$	2,163 \$	- \$	- \$	- \$	- \$	- \$	- \$	4,672
Total	\$ - \$	10,339 \$	8,911 \$	- \$	- \$	- \$	- \$	- \$	- \$	19,250
with carrier-to-carrier	\$ - \$	10,353 \$	8,946 \$	- \$	- \$	- \$	- \$	- \$	- \$	19,299
Distribution (DLC)										
Annual Capital Cost	\$ - \$	523,037 \$	203,045 \$	- \$	- \$	- \$	- \$	- \$	- \$	726,082
Network Expenses	\$ - \$	127,926 \$	49,888 \$	- \$	- \$	- \$	- \$	- \$	- \$	177,814
Direct expense	\$ - \$	650,963 \$	252,933 \$	- \$	- \$	- \$	- \$	- \$	- \$	903,896
Investment	\$ - \$	3,246,585 \$	1,261,993 \$	- \$	- \$	- \$	- \$	- \$	- \$	4,508,578
Support & Overhead per line	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Support & Overhead per direct exp.	\$ - \$	208,620 \$	81,060 \$	- \$	- \$	- \$	- \$	- \$	- \$	289,679
Total	\$ - \$	859,583 \$	333,993 \$	- \$	- \$	- \$	- \$	- \$	- \$	1,193,575
with carrier-to-carrier	\$ - \$	860,782 \$	335,293 \$	- \$	- \$	- \$	- \$	- \$	- \$	1,196,075
Distribution (non-DLC)										
Annual Capital Cost	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Network Expenses	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Direct expense	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Investment	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Support & Overhead per line	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Support & Overhead per direct exp.	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Total	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
with carrier-to-carrier	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Distribution (all)										
Annual Capital Cost	\$ - \$	523,037 \$	203,045 \$	- \$	- \$	- \$	- \$	- \$	- \$	726,082
Network Expenses	\$ - \$	127,926 \$	49,888 \$	- \$	- \$	- \$	- \$	- \$	- \$	177,814
Direct expense	\$ - \$	650,963 \$	252,933 \$	- \$	- \$	- \$	- \$	- \$	- \$	903,896
Investment	\$ - \$	3,246,585 \$	1,261,993 \$	- \$	- \$	- \$	- \$	- \$	- \$	4,508,578
Support & Overhead per line	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Support & Overhead per direct exp.	\$ - \$	208,620 \$	81,060 \$	- \$	- \$	- \$	- \$	- \$	- \$	289,679
Total	\$ - \$	859,583 \$	333,993 \$	- \$	- \$	- \$	- \$	- \$	- \$	1,193,575
with carrier-to-carrier	\$ - \$	860,782 \$	335,293 \$	- \$	- \$	- \$	- \$	- \$	- \$	1,196,075
Concentrator (DLC)										
Annual Capital Cost	\$ - \$	97,453 \$	46,340 \$	- \$	- \$	- \$	- \$	- \$	- \$	143,793
Network Expenses	\$ - \$	7,739 \$	3,688 \$	- \$	- \$	- \$	- \$	- \$	- \$	11,427
Direct expense	\$ - \$	105,192 \$	50,028 \$	- \$	- \$	- \$	- \$	- \$	- \$	155,220
Investment	\$ - \$	501,600 \$	238,710 \$	- \$	- \$	- \$	- \$	- \$	- \$	740,310
Support & Overhead per line	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Support & Overhead per direct exp.	\$ - \$	33,712 \$	16,033 \$	- \$	- \$	- \$	- \$	- \$	- \$	49,745
Total	\$ - \$	138,904 \$	66,060 \$	- \$	- \$	- \$	- \$	- \$	- \$	204,964
with carrier-to-carrier	\$ - \$	139,098 \$	66,318 \$	- \$	- \$	- \$	- \$	- \$	- \$	205,415
Concentrator (non-DLC)										
Annual Capital Cost	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Network Expenses	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Direct expense	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Investment	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Support & Overhead per line	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Support & Overhead per direct exp.	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Total	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
with carrier-to-carrier	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Concentrator (all)										
Annual Capital Cost	\$ - \$	97,453 \$	46,340 \$	- \$	- \$	- \$	- \$	- \$	- \$	143,793
Network Expenses	\$ - \$	7,739 \$	3,688 \$	- \$	- \$	- \$	- \$	- \$	- \$	11,427
Direct expense	\$ - \$	105,192 \$	50,028 \$	- \$	- \$	- \$	- \$	- \$	- \$	155,220
Investment	\$ - \$	501,600 \$	238,710 \$	- \$	- \$	- \$	- \$	- \$	- \$	740,310
Support & Overhead per line	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Support & Overhead per direct exp.	\$ - \$	33,712 \$	16,033 \$	- \$	- \$	- \$	- \$	- \$	- \$	49,745
Total	\$ - \$	138,904 \$	66,060 \$	- \$	- \$	- \$	- \$	- \$	- \$	204,964
with carrier-to-carrier	\$ - \$	139,098 \$	66,318 \$	- \$	- \$	- \$	- \$	- \$	- \$	205,415
Feeder (DLC)										
Annual Capital Cost	\$ - \$	163,662 \$	22,686 \$	- \$	- \$	- \$	- \$	- \$	- \$	186,347
Network Expenses	\$ - \$	41,737 \$	5,558 \$	- \$	- \$	- \$	- \$	- \$	- \$	47,295
Direct expense	\$ - \$	205,399 \$	28,244 \$	- \$	- \$	- \$	- \$	- \$	- \$	233,642
Investment	\$ - \$	1,049,386 \$	141,748 \$	- \$	- \$	- \$	- \$	- \$	- \$	1,191,134
Support & Overhead per line	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Support & Overhead per direct exp.	\$ - \$	65,826 \$	9,051 \$	- \$	- \$	- \$	- \$	- \$	- \$	74,877
Total	\$ - \$	271,225 \$	37,295 \$	- \$	- \$	- \$	- \$	- \$	- \$	308,520
with carrier-to-carrier	\$ - \$	271,603 \$	37,440 \$	- \$	- \$	- \$	- \$	- \$	- \$	309,043
Feeder (non-DLC)										
Annual Capital Cost	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Network Expenses	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Direct expense	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-

Network-Related Expenses

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
Investment	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	-
Support & Overhead per line	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	-
Support & Overhead per direct exp.	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	-
Total	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	-
with carrier-to-carrier	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	\$ - \$	-
Feeder (all)										
Annual Capital Cost	\$ - \$	163,662 \$	22,686 \$	- \$	- \$	- \$	- \$	- \$	- \$	186,347
Network Expenses	\$ - \$	41,737 \$	5,558 \$	- \$	- \$	- \$	- \$	- \$	- \$	47,295
Direct expense	\$ - \$	205,399 \$	28,244 \$	- \$	- \$	- \$	- \$	- \$	- \$	233,642
Investment	\$ - \$	1,049,386 \$	141,748 \$	- \$	- \$	- \$	- \$	- \$	- \$	1,191,134
Support & Overhead per line	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Support & Overhead per direct exp.	\$ - \$	65,826 \$	9,051 \$	- \$	- \$	- \$	- \$	- \$	- \$	74,877
Total	\$ - \$	271,225 \$	37,295 \$	- \$	- \$	- \$	- \$	- \$	- \$	308,520
with carrier-to-carrier	\$ - \$	271,603 \$	37,440 \$	- \$	- \$	- \$	- \$	- \$	- \$	309,043
End Office Switching										
Annual Capital Cost	\$ - \$	75,684 \$	75,358 \$	- \$	- \$	- \$	- \$	- \$	- \$	151,041
Network Expenses	\$ - \$	25,702 \$	25,724 \$	- \$	- \$	- \$	- \$	- \$	- \$	51,426
Direct expense	\$ - \$	101,386 \$	101,081 \$	- \$	- \$	- \$	- \$	- \$	- \$	202,467
Investment	\$ - \$	471,341 \$	469,420 \$	- \$	- \$	- \$	- \$	- \$	- \$	940,761
Support expenses	\$ - \$	21,668 \$	32,668 \$	- \$	- \$	- \$	- \$	- \$	- \$	54,337
Subtotal, with misc spt	\$ - \$	123,054 \$	133,749 \$	- \$	- \$	- \$	- \$	- \$	- \$	256,804
Total, with var overhead	\$ - \$	135,852 \$	147,659 \$	- \$	- \$	- \$	- \$	- \$	- \$	283,511
with carrier-to-carrier	\$ - \$	136,039 \$	148,179 \$	- \$	- \$	- \$	- \$	- \$	- \$	284,218
Signaling										
Annual Capital Cost	\$ - \$	3,490 \$	2,247 \$	- \$	- \$	- \$	- \$	- \$	- \$	5,737
Network Expenses	\$ - \$	982 \$	681 \$	- \$	- \$	- \$	- \$	- \$	- \$	1,664
Direct expense	\$ - \$	4,473 \$	2,928 \$	- \$	- \$	- \$	- \$	- \$	- \$	7,401
Investment	\$ - \$	21,717 \$	13,943 \$	- \$	- \$	- \$	- \$	- \$	- \$	35,660
Support expenses	\$ - \$	956 \$	946 \$	- \$	- \$	- \$	- \$	- \$	- \$	1,902
Subtotal, with misc spt	\$ - \$	5,429 \$	3,874 \$	- \$	- \$	- \$	- \$	- \$	- \$	9,303
Total, with var overhead	\$ - \$	5,993 \$	4,277 \$	- \$	- \$	- \$	- \$	- \$	- \$	10,270
with carrier-to-carrier	\$ - \$	6,002 \$	4,292 \$	- \$	- \$	- \$	- \$	- \$	- \$	10,294
Dedicated Transport										
Annual Capital Cost	\$ - \$	49,116 \$	8,812 \$	- \$	- \$	- \$	- \$	- \$	- \$	57,927
Network Expenses	\$ - \$	12,499 \$	2,239 \$	- \$	- \$	- \$	- \$	- \$	- \$	14,738
Direct expense	\$ - \$	61,615 \$	11,051 \$	- \$	- \$	- \$	- \$	- \$	- \$	72,665
Investment	\$ - \$	315,662 \$	56,548 \$	- \$	- \$	- \$	- \$	- \$	- \$	372,210
Support expenses	\$ - \$	13,168 \$	3,571 \$	- \$	- \$	- \$	- \$	- \$	- \$	16,740
Subtotal, with misc spt	\$ - \$	74,783 \$	14,622 \$	- \$	- \$	- \$	- \$	- \$	- \$	89,405
Total, with var overhead	\$ - \$	82,561 \$	16,143 \$	- \$	- \$	- \$	- \$	- \$	- \$	98,703
with carrier-to-carrier	\$ - \$	82,674 \$	16,199 \$	- \$	- \$	- \$	- \$	- \$	- \$	98,873
Dedicated Transport Transmission										
Annual Capital Cost	\$ - \$	13,469 \$	4,115 \$	- \$	- \$	- \$	- \$	- \$	- \$	17,584
Network Expenses	\$ - \$	1,055 \$	322 \$	- \$	- \$	- \$	- \$	- \$	- \$	1,377
Direct expense	\$ - \$	14,524 \$	4,438 \$	- \$	- \$	- \$	- \$	- \$	- \$	18,961
Investment	\$ - \$	68,951 \$	21,067 \$	- \$	- \$	- \$	- \$	- \$	- \$	90,018
Support expenses	\$ - \$	3,104 \$	1,434 \$	- \$	- \$	- \$	- \$	- \$	- \$	4,538
Subtotal, with misc spt	\$ - \$	17,628 \$	5,872 \$	- \$	- \$	- \$	- \$	- \$	- \$	23,500
Total, with var overhead	\$ - \$	19,461 \$	6,482 \$	- \$	- \$	- \$	- \$	- \$	- \$	25,944
with carrier-to-carrier	\$ - \$	19,488 \$	6,505 \$	- \$	- \$	- \$	- \$	- \$	- \$	25,993
Direct Transport										
Annual Capital Cost	\$ - \$	19,804 \$	3,356 \$	- \$	- \$	- \$	- \$	- \$	- \$	23,160
Network Expenses	\$ - \$	5,040 \$	853 \$	- \$	- \$	- \$	- \$	- \$	- \$	5,893
Direct expense	\$ - \$	24,844 \$	4,209 \$	- \$	- \$	- \$	- \$	- \$	- \$	29,053
Investment	\$ - \$	127,280 \$	21,537 \$	- \$	- \$	- \$	- \$	- \$	- \$	148,817
Support expenses	\$ - \$	6,310 \$	1,360 \$	- \$	- \$	- \$	- \$	- \$	- \$	6,670
Subtotal, with misc spt	\$ - \$	30,154 \$	5,569 \$	- \$	- \$	- \$	- \$	- \$	- \$	35,722
Total, with var overhead	\$ - \$	33,290 \$	6,148 \$	- \$	- \$	- \$	- \$	- \$	- \$	39,438
with carrier-to-carrier	\$ - \$	33,335 \$	6,170 \$	- \$	- \$	- \$	- \$	- \$	- \$	39,505
Direct Transport Transmission										
Annual Capital Cost	\$ - \$	5,402 \$	1,567 \$	- \$	- \$	- \$	- \$	- \$	- \$	6,969
Network Expenses	\$ - \$	423 \$	123 \$	- \$	- \$	- \$	- \$	- \$	- \$	546
Direct expense	\$ - \$	5,825 \$	1,690 \$	- \$	- \$	- \$	- \$	- \$	- \$	7,515
Investment	\$ - \$	27,654 \$	8,024 \$	- \$	- \$	- \$	- \$	- \$	- \$	35,678
Support expenses	\$ - \$	1,245 \$	546 \$	- \$	- \$	- \$	- \$	- \$	- \$	1,791
Subtotal, with misc spt	\$ - \$	7,070 \$	2,236 \$	- \$	- \$	- \$	- \$	- \$	- \$	9,306
Total, with var overhead	\$ - \$	7,805 \$	2,469 \$	- \$	- \$	- \$	- \$	- \$	- \$	10,274
with carrier-to-carrier	\$ - \$	7,816 \$	2,478 \$	- \$	- \$	- \$	- \$	- \$	- \$	10,294
Common Transport										
Annual Capital Cost	\$ - \$	74,878 \$	11,858 \$	- \$	- \$	- \$	- \$	- \$	- \$	86,736
Network Expenses	\$ - \$	19,055 \$	3,013 \$	- \$	- \$	- \$	- \$	- \$	- \$	22,068
Direct expense	\$ - \$	93,933 \$	14,871 \$	- \$	- \$	- \$	- \$	- \$	- \$	108,804
Investment	\$ - \$	481,243 \$	76,097 \$	- \$	- \$	- \$	- \$	- \$	- \$	557,340
Support expenses	\$ - \$	20,076 \$	4,806 \$	- \$	- \$	- \$	- \$	- \$	- \$	24,882
Subtotal, with misc spt	\$ - \$	114,009 \$	19,677 \$	- \$	- \$	- \$	- \$	- \$	- \$	133,685
Total, with var overhead	\$ - \$	125,866 \$	21,723 \$	- \$	- \$	- \$	- \$	- \$	- \$	147,589
with carrier-to-carrier	\$ - \$	126,039 \$	21,800 \$	- \$	- \$	- \$	- \$	- \$	- \$	147,838

Network-Related Expenses

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
Common Transport Transmission										
Annual Capital Cost	\$ - \$	20,303 \$	5,538 \$	- \$	- \$	- \$	- \$	- \$	- \$	25,841
Network Expenses	\$ - \$	1,590 \$	434 \$	- \$	- \$	- \$	- \$	- \$	- \$	2,024
Direct expense	\$ - \$	21,893 \$	5,972 \$	- \$	- \$	- \$	- \$	- \$	- \$	27,865
Investment	\$ - \$	103,937 \$	28,350 \$	- \$	- \$	- \$	- \$	- \$	- \$	132,287
Support expenses	\$ - \$	4,679 \$	1,930 \$	- \$	- \$	- \$	- \$	- \$	- \$	6,609
Subtotal, with misc spt	\$ - \$	26,573 \$	7,902 \$	- \$	- \$	- \$	- \$	- \$	- \$	34,474
Total, with var overhead	\$ - \$	29,336 \$	8,723 \$	- \$	- \$	- \$	- \$	- \$	- \$	38,059
with carrier-to-carrier	\$ - \$	29,376 \$	8,754 \$	- \$	- \$	- \$	- \$	- \$	- \$	38,131
Tandem Switching										
Annual Capital Cost	\$ - \$	978 \$	979 \$	- \$	- \$	- \$	- \$	- \$	- \$	1,957
Network Expenses	\$ - \$	523 \$	523 \$	- \$	- \$	- \$	- \$	- \$	- \$	1,045
Direct expense	\$ - \$	1,501 \$	1,502 \$	- \$	- \$	- \$	- \$	- \$	- \$	3,003
Investment	\$ - \$	6,283 \$	6,288 \$	- \$	- \$	- \$	- \$	- \$	- \$	12,571
Support expenses	\$ - \$	321 \$	485 \$	- \$	- \$	- \$	- \$	- \$	- \$	806
Subtotal, with misc spt	\$ - \$	1,821 \$	1,987 \$	- \$	- \$	- \$	- \$	- \$	- \$	3,809
Total, with var overhead	\$ - \$	2,011 \$	2,194 \$	- \$	- \$	- \$	- \$	- \$	- \$	4,205
with carrier-to-carrier	\$ - \$	2,014 \$	2,202 \$	- \$	- \$	- \$	- \$	- \$	- \$	4,216
Operator Systems										
Annual Capital Cost	\$ - \$	9,458 \$	2,196 \$	- \$	- \$	- \$	- \$	- \$	- \$	11,655
Network Expenses	\$ - \$	6,155 \$	4,339 \$	- \$	- \$	- \$	- \$	- \$	- \$	10,494
Direct expense	\$ - \$	15,613 \$	6,535 \$	- \$	- \$	- \$	- \$	- \$	- \$	22,149
Investment	\$ - \$	59,920 \$	12,986 \$	- \$	- \$	- \$	- \$	- \$	- \$	72,906
Support expenses	\$ - \$	2,793 \$	1,581 \$	- \$	- \$	- \$	- \$	- \$	- \$	4,374
Subtotal, with misc spt	\$ - \$	18,407 \$	8,116 \$	- \$	- \$	- \$	- \$	- \$	- \$	26,523
Total, with var overhead	\$ - \$	20,321 \$	8,960 \$	- \$	- \$	- \$	- \$	- \$	- \$	29,281
with carrier-to-carrier	\$ - \$	20,350 \$	8,994 \$	- \$	- \$	- \$	- \$	- \$	- \$	29,344
Public Telephone										
Annual Capital Cost	\$ - \$	337 \$	485 \$	- \$	- \$	- \$	- \$	- \$	- \$	822
Network Expenses	\$ - \$	310 \$	446 \$	- \$	- \$	- \$	- \$	- \$	- \$	757
Direct expense	\$ - \$	648 \$	931 \$	- \$	- \$	- \$	- \$	- \$	- \$	1,579
Investment	\$ - \$	1,650 \$	2,372 \$	- \$	- \$	- \$	- \$	- \$	- \$	4,023
Support expenses	\$ - \$	116 \$	225 \$	- \$	- \$	- \$	- \$	- \$	- \$	341
Subtotal, with misc spt	\$ - \$	764 \$	1,156 \$	- \$	- \$	- \$	- \$	- \$	- \$	1,920
Total, with var overhead	\$ - \$	843 \$	1,277 \$	- \$	- \$	- \$	- \$	- \$	- \$	2,120
with carrier-to-carrier	\$ - \$	845 \$	1,282 \$	- \$	- \$	- \$	- \$	- \$	- \$	2,126
Totals										
Annual Capital Cost	\$ - \$	1,063,527 \$	394,254 \$	- \$	- \$	- \$	- \$	- \$	- \$	1,457,780
Network Expenses	\$ - \$	252,111 \$	98,906 \$	- \$	- \$	- \$	- \$	- \$	- \$	351,017
Total	\$ - \$	1,315,638 \$	493,159 \$	- \$	- \$	- \$	- \$	- \$	- \$	1,808,797
Investment	\$ - \$	6,523,552 \$	2,394,531 \$	- \$	- \$	- \$	- \$	- \$	- \$	8,918,083
Supporting Network Expenses										
Capital Cost - Gent Support	\$ - \$	54,712 \$	20,082 \$	- \$	- \$	- \$	- \$	- \$	- \$	74,794
Network Operations	\$ - \$	44,629 \$	46,862 \$	- \$	- \$	- \$	- \$	- \$	- \$	91,291
Network Support	\$ - \$	3,777 \$	1,416 \$	- \$	- \$	- \$	- \$	- \$	- \$	5,193
Other Taxes	\$ - \$	77,551 \$	30,623 \$	- \$	- \$	- \$	- \$	- \$	- \$	108,174
Misc Expenses	\$ - \$	54,717 \$	20,511 \$	- \$	- \$	- \$	- \$	- \$	- \$	75,228
Subtotal	\$ - \$	235,386 \$	119,293 \$	- \$	- \$	- \$	- \$	- \$	- \$	354,679
Carrier-carrier customer svc	\$ - \$	2,425 \$	2,535 \$	- \$	- \$	- \$	- \$	- \$	- \$	4,960
Interoffice/Switching Net Ops	\$ - \$	11,487 \$	12,010 \$	- \$	- \$	- \$	- \$	- \$	- \$	23,497
Interoffice/Sw Exp	\$ - \$	329,993 \$	147,740 \$	- \$	- \$	- \$	- \$	- \$	- \$	477,734
Total Network Costs	\$ - \$	1,562,510 \$	624,463 \$	- \$	- \$	- \$	- \$	- \$	- \$	2,186,973
Other costs										
Other Taxes	\$ - \$	77,551 \$	30,623 \$	- \$	- \$	- \$	- \$	- \$	- \$	108,174
Monthly Cost Factors										
Loop	-	0.02255	0.02273	-	-	-	-	-	-	0.02285
Port	-	0.00770	0.00773	-	-	-	-	-	-	0.00772
Switching	-	0.01021	0.01026	-	-	-	-	-	-	0.01024
Signaling	-	0.00404	0.00629	-	-	-	-	-	-	0.00492
Transport	-	0.00190	0.00985	-	-	-	-	-	-	0.00318
Billing/Bill Inquiries (per line)	-	2.74	2.74	-	-	-	-	-	-	2.74
Directory Listing (per line)	-	-	-	-	-	-	-	-	-	-
LNP Expense (per line)	-	0.30	0.30	-	-	-	-	-	-	0.30
Inverse Carrier to Carrier Expense Factors	0.0000%	99.8627%	99.6493%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	99.8293%

Use this sheet to vary the proportion of expenses assigned to loop-related network elements on the basis of lines and on the basis of direct expenses, respectively. Change only the % assigned "per line" -- the "per direct cost" will be calculated.

	Total Annual Amount assigned to loops	% to be assigned per line	% to be assigned per direct cost	Annual Amount to be assigned per line	Annual Amount to be assigned per direct cost
General Support - Loops					
Furniture - Capital Costs	\$ 2,326	0%	100%	\$ -	\$ 2,326
Furniture - Expenses	\$ 1,786	0%	100%	\$ -	\$ 1,786
Office Equipment - Capital Costs	\$ 6,641	0%	100%	\$ -	\$ 6,641
Office Equipment - Expenses	\$ 3,784	0%	100%	\$ -	\$ 3,784
General Purpose Computer - Capital Costs	\$ 13,877	0%	100%	\$ -	\$ 13,877
General Purpose Computer - Expenses	\$ 36,584	0%	100%	\$ -	\$ 36,584
Motor Vehicles - Capital Costs	\$ 8,374	0%	100%	\$ -	\$ 8,374
Motor Vehicles - Expenses	\$ 2,926	0%	100%	\$ -	\$ 2,926
Buildings - Capital Costs	\$ 16,737	0%	100%	\$ -	\$ 16,737
Buildings - Expenses	\$ 12,218	0%	100%	\$ -	\$ 12,218
Garage Work Eqpt. - Capital Costs	\$ 245	0%	100%	\$ -	\$ 245
Garage Work Eqpt. - Expenses	\$ 85	0%	100%	\$ -	\$ 85
Other Work Eqpt. - Capital Costs	\$ 5,859	0%	100%	\$ -	\$ 5,859
Other Work Eqpt. - Expenses	\$ 742	0%	100%	\$ -	\$ 742
Total General Support	\$ 112,184			\$ -	\$ 112,184
Network Operations	\$ 65,982	0%	100%	\$ -	\$ 65,982
Other Taxes	\$ 78,184	0%	100%	\$ -	\$ 78,184
Variable Overhead	\$ 162,623	0%	100%	\$ -	\$ 162,623
Totals	\$ 256,350			\$ -	\$ 418,973

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Direct Costs										
Loop-related direct costs	\$ -	\$ 969,383	\$ 337,952	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,307,336
Non-Loop-related direct costs	\$ -	\$ 346,255	\$ 155,207	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 501,462
Total	\$ -	\$ 1,315,638	\$ 493,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,808,797
Loop Fraction	0.00%	73.68%	68.53%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	72.28%
Network Operations	\$ -	\$ 44,629	\$ 46,662	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 91,291

	Total Annual Amount	Amount Assigned to Loops	Amount Assigned to Other UNEs
General Support - Totals			
Furniture - Capital Costs	\$ 3,219	\$ 2,326	\$ 892
Furniture - Expenses	\$ 2,471	\$ 1,786	\$ 685
Office Equipment - Capital Costs	\$ 9,188	\$ 6,641	\$ 2,547
Office Equipment - Expenses	\$ 5,236	\$ 3,784	\$ 1,451
General Purpose Computer - Capital Costs	\$ 19,200	\$ 13,877	\$ 5,323
General Purpose Computer - Expenses	\$ 50,616	\$ 36,584	\$ 14,033
Motor Vehicles - Capital Costs	\$ 11,586	\$ 8,374	\$ 3,212
			\$ 74,794
			\$ 80,421

Exp Assignment

Motor Vehicles - Expenses	\$ 4,048	\$ 2,926	\$ 1,122	
Buildings - Capital Costs	\$ 23,157	\$ 16,737	\$ 6,420	
Buildings - Expenses	\$ 16,905	\$ 12,218	\$ 4,687	
Garage Work Eqpt. - Capital Costs	\$ 339	\$ 245	\$ 94	
Garage Work Eqpt. - Expenses	\$ 118	\$ 85	\$ 33	
Other Work Eqpt. - Capital Costs	\$ 8,106	\$ 5,859	\$ 2,247	
Other Work Eqpt. - Expenses	\$ 1,027	\$ 742	\$ 285	
Total General Support	\$ 155,215	\$ 112,184	\$ 43,031	
Network Operations	\$ 91,291	\$ 65,982	\$ 25,309	
Other Taxes Calculation				
Total Direct Costs	\$ 1,808,797	\$ 1,307,336	\$ 501,462	\$ 1,808,797
Total Network Operations	\$ 91,291	\$ 65,982	\$ 25,309	\$ 91,291
Total General Support	\$ 155,215	\$ 112,184	\$ 43,031	\$ 188,594
Total	\$ 2,055,303	\$ 1,485,501	\$ 569,801	
Other Taxes	\$ 108,174	\$ 78,184	\$ 29,990	\$ 296,768
Total Expenses and Other Taxes	\$ 2,163,476	\$ 1,563,685	\$ 599,791	
Variable Overhead Calculation				
Variable Overhead	\$ 225,002	\$ 162,623	\$ 62,378	
Total Cost with Variable Overhead	2,388,478	1,726,309	662,169	

UNE Expense Assignment

Totals

NID

per line cost \$ -
per direct cost \$ 4,672
total \$ 4,672

Distribution (DLC)

per line cost \$ -
per direct cost \$ 289,679
total \$ 289,679

Distribution (non-DLC)

per line cost \$ -
per direct cost \$ -
total \$ -

Concentrator (DLC)

per line cost \$ -
per direct cost \$ 49,745
total \$ 49,745

Concentrator (non-DLC)

per line cost \$ -
per direct cost \$ -
total \$ -

Feeder (DLC)

per line cost \$ -
per direct cost \$ 74,877
total \$ 74,877

Feeder (non-DLC)

Exp Assignment

per line cost \$ -
per direct cost \$ -
total \$ -

End Office Switching	\$	267,353
Signaling	\$	9,773
Dedicated Transport	\$	95,953
Dedicated Transport Transmission	\$	25,038
Direct Transport	\$	38,363
Direct Transport Transmission	\$	9,924
Common Transport	\$	143,673
Common Transport Transmission	\$	36,795
Tandem Switching	\$	3,965
Operator Systems	\$	29,247
Public Telephone	\$	2,085

COST SUMMARY

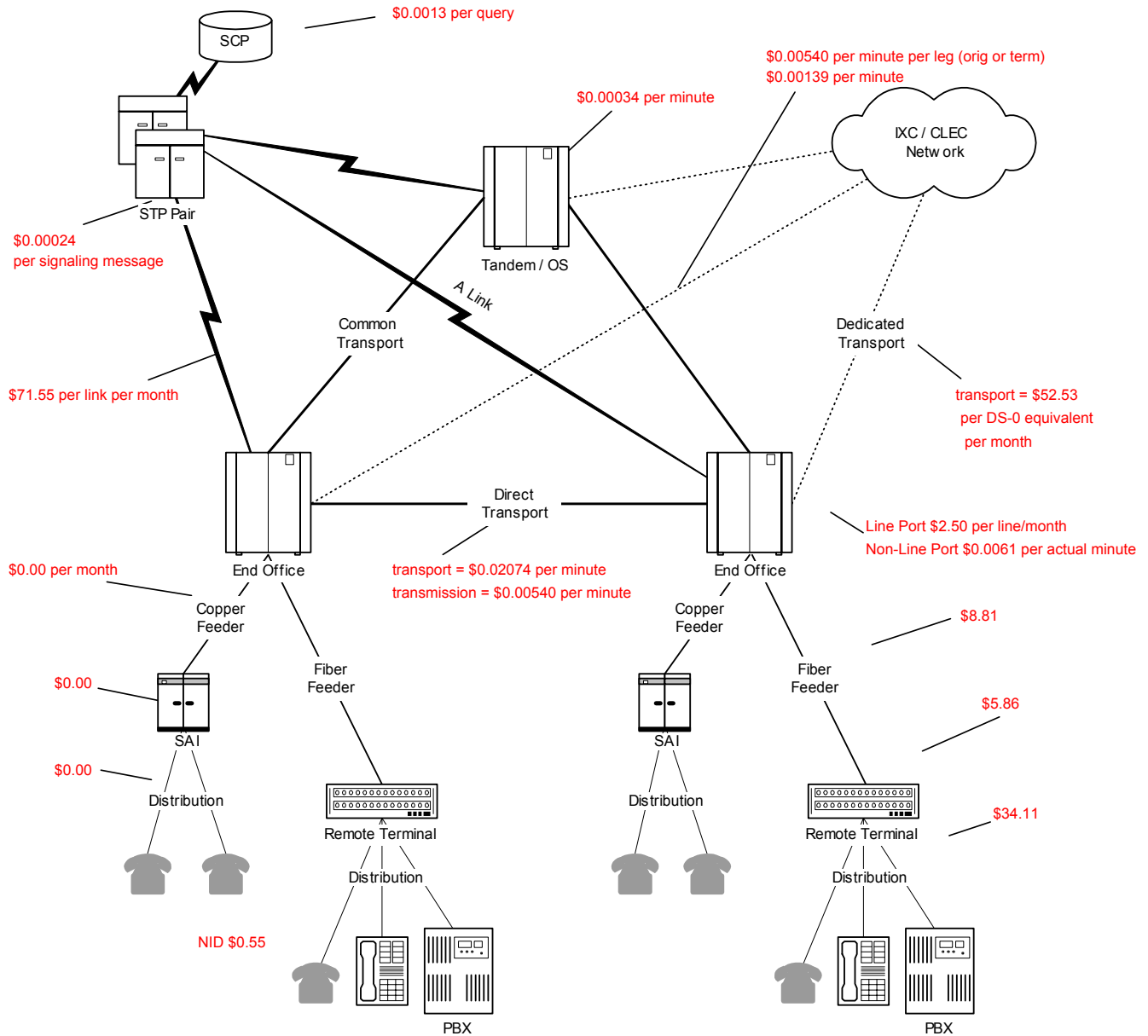
Missouri Seneca Tel Co

Network Element	Investment *	% of total investment	1	2	1 + 2	3	1 + 2 + 3	Total
			Annual Capital Cost	Network Expenses	Direct Expense	Support Expense	Subtotal (with misc support)	(with carrier-to-carrier)
NID	\$ 75,791	0.8%	\$ 12,127	\$ 2,451	\$ 14,578	\$ 4,672	\$ 19,250	\$ 19,299
<i>Distribution (DLC)</i>	4,508,578	50.6%	726,082	177,814	903,896	289,679	1,193,575	1,196,075
<i>Distribution (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Distribution (all)	4,508,578	50.6%	726,082	177,814	903,896	289,679	1,193,575	1,196,075
<i>Concentrator (DLC)</i>	740,310	8.3%	143,793	11,427	155,220	49,745	204,964	205,415
<i>Concentrator (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Concentrator (all)	740,310	8.3%	143,793	11,427	155,220	49,745	204,964	205,415
<i>Feeder (DLC)</i>	1,191,134	13.4%	186,347	47,295	233,642	74,877	308,520	309,043
<i>Feeder (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Feeder (all)	1,191,134	13.4%	186,347	47,295	233,642	74,877	308,520	309,043
End Office Switching	940,761	10.5%	151,041	51,426	202,467	54,337	256,804	284,218
Signaling	35,660	0.4%	5,737	1,664	7,401	1,902	9,303	10,294
Dedicated Transport	372,210	4.2%	57,927	14,738	72,665	16,740	89,405	98,873
Dedicated Transport Transmission	90,018	1.0%	17,584	1,377	18,961	4,538	23,500	25,993
Direct Transport	148,817	1.7%	23,160	5,893	29,053	6,670	35,722	39,505
Direct Transport Transmission	35,678	0.4%	6,969	546	7,515	1,791	9,306	10,294
Common Transport	557,340	6.2%	86,736	22,068	108,804	24,882	133,685	147,838
Common Transport Transmission	132,287	1.5%	25,841	2,024	27,865	6,609	34,474	38,131
Tandem Switching	12,571	0.1%	1,957	1,045	3,003	806	3,809	4,216
Operator Systems	72,906	0.8%	11,655	10,494	22,149	4,374	26,523	29,344
Public Telephone	4,023	0.0%	822	757	1,579	341	1,920	2,126
Total Network Cost								
Total	\$ 8,918,083	100%	\$ 1,457,780	\$ 351,017	\$ 1,808,797	\$ 541,963	\$ 2,350,761	\$ 2,420,663

* Post sharing

Unbundled Network Elements

Missouri / Seneca Tel Co



USOA Detail Breakdown of HAI Model Costs

**Seneca Tel Co
Missouri**

USOA	INVESTMENT DESCRIPTION	Cost \$(000)
Telecommunications Plant in Service		
2111	LAND	20
2112	MOTOR VEHICLES	61
2113	AIRCRAFT	
2114	SPECIAL PURPOSE VEHICLES	
2115	GARAGE WORK EQUIPMENT	2
2116	OTHER WORK EQUIPMENT	47
2121	BUILDINGS	287
2122	FURNITURE	20
2123.1	OFFICE SUPPORT EQUIPMENT	52
2123.2	COMPANY COMMUNICATIONS EQUIPMENT	
2124	GENERAL PURPOSE COMPUTERS	79
2110	TOTAL LAND & SUPPORT ASSETS	568
2212	DIGITAL ELECTRONIC SWITCHING	827
2220	OPERATOR SYSTEMS	7
2232	CIRCUIT EQUIPMENT	988
2351	PUBLIC TEL TERMINAL EQUIPMENT	4
2411	POLES	159
2421.1	AERIAL CABLE - METALLIC	109
2421.2	AERIAL CABLE - NonMETALLIC	71
2422.1	UNDERGROUND CABLE - METALLIC	0
2422.2	UNDERGROUND CABLE - NonMETALLIC	0
2423.1	BURIED CABLE - METALLIC	4,370
2423.2	BURIED CABLE - NonMETALLIC	2,232
2426.1	INTRABUILDING NETWORK CABLE - MET.	
2426.2	INTRABUILDING NETWORK CABLE - NonMET.	
2441	CONDUIT SYSTEMS	0
2410	TOTAL CABLE & WIRE FACILITIES	6,940
	Total TPIS (before amortizable assets)*	9,332

* This calculation of total plant includes GSF investment. GSF investment is not included in the total investment that is reported in the "Summary" sheet.

USOA	EXPENSE DESCRIPTION	Cost \$(000)
Plant Specific Expenses		
6112	MOTOR VEHICLES	4
6113	AIRCRAFT	2
6114	SPECIAL PURPOSE VEHICLES	0
6115	GARAGE WORK EQUIPMENT	0
6116	OTHER WORK EQUIPMENT	1
6110	NETWORK SUPPORT	7
6121	LAND & BUILDINGS	35
6122	FURNITURE	3
6123	OFFICE EQUIPMENT	6
6124	GENERAL PURPOSE COMPUTERS	60
6120	LAND & SUPPORT ASSETS	105
6212	DIGITAL ELECTRONIC SWITCHING	39
6220	OPERATOR SYSTEMS	8
6232	CIRCUIT EQUIPMENT	15
6351	PUBLIC TEL TERMINAL EQUIPMENT	1
6411	POLES	7
6421	AERIAL CABLE	11
6422	UNDERGROUND CABLE	0
6423	BURIED CABLE	255
6426	INTRABUILDING NETWORK CABLE	
6441	CONDUIT SYSTEMS	0
6410	TOTAL CABLE & WIRE FACILITIES	273
	Total Plant Specific Expenses	448
Plant Nonspecific Operations		
	TOTAL NETWORK OPERATIONS SUPPORT	115
6561	DEPRECIATION TPIS	552
6623	CUSTOMER SERVICES	5
	Total Plant Nonspecific Operations	672
	TOTAL CORPORATE OPERATIONS	227
	TOTAL OPERATING EXPENSES	1,347
7240	OPERATING OTHER TAXES	108
	TOTAL EXPENSES & OPERATING TAXES	1,455

USOA Depreciation Calculations

	<u>Depl. life</u>	<u>DepFact</u>	<u>Dep Exp</u>
2111			
2112	10.45	0.09589	6
2113			
2114			
2115	9.97	0.10031	0
2116	13.92	0.07189	3
2121	48.73	0.02052	6
2122	18.36	0.05449	1
2123.1	12.44	0.08052	4
2123.2	7.99	0.12517	-
2124	6.61	0.15223	12
2110			
2212	17.17	0.05827	48
2220	9.25	0.10829	1
2232	9.90	0.10108	100
2351	8.98	0.11145	0
2411	8.38	0.11972	19
2421.1	13.61	0.07355	8
2421.2	18.92	0.05286	4
2422.1	17.88	0.05596	-
2422.2	20.14	0.04966	-
2423.1	18.36	0.05450	238
2423.2	21.97	0.04551	102
2426.1	13.57	0.07377	-
2426.2	21.37	0.04681	-
2441	46.15	0.02167	-
<i>Total Depreciation</i>			552

Network Element Disaggregations

<u>Investment Disaggregations:</u>		<u>Expense Disaggregations:</u>	
<i>Terminal, Drop, and NID</i>		<i>Terminal, Drop, and NID</i>	
Aerial-m portion	490,314	Aerial portion	18,518
Buried-m portion	11,892	Buried portion	892
	478,423		17,626
<i>OS Trks + Signaling links</i>		<i>OS Trks + Signaling links</i>	
Circuit Eqpt. portion	75,208	Circuit Eqpt. portion	2,915
Pole portion	12,535	Pole portion	486
Aerial-nm portion	979	Aerial-nm portion	40
Underground-nm portion	1,775	Underground-nm portion	109
Buried-nm portion	-	Buried-nm portion	-
Conduit portion	59,920	Conduit portion	2,280
	-		-
<i>SAI</i>		<i>SAI</i>	
Aerial-m portion	23,200	Aerial portion	455
Aerial-nm portion	-	Underground portion	15
Underground-m portion	753	Buried portion	-
Underground-nm portion	-		440
Buried-m portion	-		
Buried-nm portion	22,447		

General Support

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
General Support Investment										
furniture	\$ -	\$ 14,764	\$ 5,419	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	20,183
office equipment	-	37,733	13,850	-	-	-	-	-	-	51,584
general purpose computers	-	58,026	21,299	-	-	-	-	-	-	79,324
motor vehicles	-	44,398	16,297	-	-	-	-	-	-	60,695
buildings	-	112,141	41,163	-	-	-	-	-	-	153,304
garage work equipment	-	1,274	468	-	-	-	-	-	-	1,742
other work equipment	-	34,598	12,700	-	-	-	-	-	-	47,298
TOTAL	\$ -	\$ 302,934	\$ 111,195	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	414,129
Levelized Cost of Capital										
furniture	\$ -	\$ 2,354	\$ 864	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,219
office equipment	-	6,721	2,467	-	-	-	-	-	-	9,188
general purpose computers	-	14,044	5,155	-	-	-	-	-	-	19,200
motor vehicles	-	8,475	3,111	-	-	-	-	-	-	11,586
buildings	-	16,939	6,218	-	-	-	-	-	-	23,157
garage work equipment	-	248	91	-	-	-	-	-	-	339
other work equipment	-	5,930	2,177	-	-	-	-	-	-	8,106
TOTAL	\$ -	\$ 54,712	\$ 20,082	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	74,794

Distribution

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
Fiber Feeder										
Distribution Investment										
buried cable	\$ -	\$ 1,267,281	\$ 643,834	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,911,115
aerial cable	-	64,134	32,583	-	-	-	-	-	-	96,716
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	-	1,564,817	415,175	-	-	-	-	-	-	1,979,992
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	81,841	24,391	-	-	-	-	-	-	106,231
terminal	-	120,443	62,965	-	-	-	-	-	-	183,408
drop	-	148,070	83,045	-	-	-	-	-	-	231,115
TOTAL	\$ -	\$ 3,246,585	\$ 1,261,993	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,508,578
	0.00%	72.01%	27.99%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ -	\$ 202,102	\$ 102,677	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 304,779
aerial cable	-	11,074	5,626	-	-	-	-	-	-	16,699
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	-	249,553	66,211	-	-	-	-	-	-	315,764
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	17,345	5,169	-	-	-	-	-	-	22,514
terminal	-	19,272	10,075	-	-	-	-	-	-	29,346
drop	-	23,692	13,288	-	-	-	-	-	-	36,980
TOTAL	\$ -	\$ 523,037	\$ 203,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 726,082
Network Expenses										
buried cable	-	49,270	25,031	-	-	-	-	-	-	74,301
aerial cable	-	4,033	2,049	-	-	-	-	-	-	6,082
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	-	60,838	16,141	-	-	-	-	-	-	76,979
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	3,378	1,007	-	-	-	-	-	-	4,384
terminal	-	4,668	2,441	-	-	-	-	-	-	7,109
drop	-	5,739	3,219	-	-	-	-	-	-	8,958
TOTAL	\$ -	\$ 127,926	\$ 49,888	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 177,814
Summary										
Cost of Capital	\$ -	\$ 523,037	\$ 203,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 726,082
Network Expense	-	127,926	49,888	-	-	-	-	-	-	177,814
TOTAL	\$ -	\$ 650,963	\$ 252,933	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 903,896
Copper Feeder										
Distribution Investment										
buried cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
aerial cable	-	-	-	-	-	-	-	-	-	-
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
terminal	-	-	-	-	-	-	-	-	-	-
drop	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Levelized Cost of Capital										
buried cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
aerial cable	-	-	-	-	-	-	-	-	-	-
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
terminal	-	-	-	-	-	-	-	-	-	-
drop	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Network Expenses										
buried cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
aerial cable	-	-	-	-	-	-	-	-	-	-

Distribution

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
terminal	-	-	-	-	-	-	-	-	-	-
drop	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Summary										
Cost of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expense	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Total Distribution Investment										
buried cable	\$ -	\$ 1,267,281	\$ 643,834	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,911,115
aerial cable	\$ -	\$ 64,134	\$ 32,583	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	96,716
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ -	\$ 1,564,817	\$ 415,175	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,979,992
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ -	\$ 81,841	\$ 24,391	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	106,231
terminal	\$ -	\$ 120,443	\$ 62,965	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	183,408
drop	\$ -	\$ 148,070	\$ 83,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	231,115
TOTAL	\$ -	\$ 3,246,585	\$ 1,261,993	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,508,578
	0.00%	72.01%	27.99%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ -	\$ 202,102	\$ 102,677	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	304,779
aerial cable	\$ -	\$ 11,074	\$ 5,626	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	16,699
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ -	\$ 249,553	\$ 66,211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	315,764
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ -	\$ 17,345	\$ 5,169	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	22,514
terminal	\$ -	\$ 19,272	\$ 10,075	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	29,346
drop	\$ -	\$ 23,692	\$ 13,288	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36,980
TOTAL	\$ -	\$ 523,037	\$ 203,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	726,082
Network Expenses										
buried cable	\$ -	\$ 49,270	\$ 25,031	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	74,301
aerial cable	-	4,033	2,049	-	-	-	-	-	-	6,082
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	-	60,838	16,141	-	-	-	-	-	-	76,979
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	3,378	1,007	-	-	-	-	-	-	4,384
terminal	-	4,668	2,441	-	-	-	-	-	-	7,109
drop	-	5,739	3,219	-	-	-	-	-	-	8,958
TOTAL	\$ -	\$ 127,926	\$ 49,888	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	177,814
Summary										
Cost of Capital	\$ -	\$ 523,037	\$ 203,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	726,082
Network Expense	-	127,926	49,888	-	-	-	-	-	-	177,814
TOTAL	\$ -	\$ 650,963	\$ 252,933	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	903,896
NID Cost										
NID Investment	\$ -	\$ 40,343	\$ 35,448	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	75,791
Levelized Cost of Capital	-	6,455	5,672	-	-	-	-	-	-	12,127
Network Expenses	-	1,374	1,076	-	-	-	-	-	-	2,451
TOTAL	\$ -	\$ 7,830	\$ 6,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,578

Concentrator

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
<i>Fiber Feeder</i>										
Concentrator Investment										
DLC Investment	\$ -	\$ 486,600	\$ 230,510	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	717,110
SAI Investment	-	15,000	8,200	-	-	-	-	-	-	23,200
										\$ -
TOTAL	\$ - 0.00%	\$ 501,600 67.76%	\$ 238,710 32.24%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	740,310 100.00%
Levelized Cost of Capital										
DLC	\$ -	\$ 95,053	\$ 45,028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	140,081
SAI	-	2,400	1,312	-	-	-	-	-	-	3,712
TOTAL	\$ -	\$ 97,453	\$ 46,340	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	143,793
Network Expenses										
DLC	\$ -	\$ 7,445	\$ 3,527	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,972
SAI	-	294	161	-	-	-	-	-	-	455
TOTAL	\$ -	\$ 7,739	\$ 3,688	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,427
Summary										
Cost of Capital	\$ -	\$ 97,453	\$ 46,340	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	143,793
Network Expense	-	7,739	3,688	-	-	-	-	-	-	11,427
TOTAL	\$ -	\$ 105,192	\$ 50,028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	155,220

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
<i>Copper Feeder</i>										
Concentrator Investment										
DLC Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI Investment	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	- 0.00%
Levelized Cost of Capital										
DLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expenses										
DLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Summary										
Cost of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expense	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
<i>Total</i>										
Concentrator Investment										
DLC Investment	\$ -	\$ 486,600	\$ 230,510	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	717,110
SAI Investment	-	15,000	8,200	-	-	-	-	-	-	23,200
TOTAL	\$ - 0.00%	\$ 501,600 67.76%	\$ 238,710 32.24%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	740,310 100.00%

Concentrator

	0-5 lines/sq m		5-100 lines/sq m		100-200 lines/sq m		200-650 lines/sq m		650-850 lines/sq m		850-2550 lines/sq m		2550-5000 lines/sq m		5000-10000 lines/sq m		>10000 lines/sq m		Totals
Levelized Cost of Capital																			
DLC	\$	-	\$	95,053	\$	45,028	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	140,081
SAI		-		2,400		1,312		-		-		-		-		-		-	3,712
TOTAL	\$	-	\$	97,453	\$	46,340	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	143,793
Network Expenses																			
DLC	\$	-	\$	7,445	\$	3,527	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	10,972
SAI		-		294		161		-		-		-		-		-		-	455
TOTAL	\$	-	\$	7,739	\$	3,688	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	11,427
Summary																			
Cost of Capital	\$	-	\$	97,453	\$	46,340	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	143,793
Network Expense		-		7,739		3,688		-		-		-		-		-		-	11,427
TOTAL	\$	-	\$	105,192	\$	50,028	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	155,220

Feeder

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
Fiber Feeder										
Feeder Investment										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	747,271	13,725	-	-	-	-	-	-	760,996
fiber buried cable	-	36,903	622	-	-	-	-	-	-	37,525
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	-	243,227	114,041	-	-	-	-	-	-	357,268
poles	-	21,985	13,360	-	-	-	-	-	-	35,345
TOTAL	\$ -	\$ 1,049,386	\$ 141,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,191,134
	0.00%	88.10%	11.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	115,545	2,122	-	-	-	-	-	-	117,667
fiber aerial cable	-	5,849	99	-	-	-	-	-	-	5,948
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	-	37,608	17,633	-	-	-	-	-	-	55,242
poles	-	4,659	2,831	-	-	-	-	-	-	7,491
TOTAL	\$ -	\$ 163,662	\$ 22,686	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	186,347
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	29,053	534	-	-	-	-	-	-	29,586
fiber aerial cable	-	2,321	39	-	-	-	-	-	-	2,360
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	-	9,456	4,434	-	-	-	-	-	-	13,890
poles	-	907	551	-	-	-	-	-	-	1,459
TOTAL	\$ -	\$ 41,737	\$ 5,558	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	47,295
Summary										
Cost of Capital	\$ -	\$ 163,662	\$ 22,686	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	186,347
Network Expense	-	41,737	5,558	-	-	-	-	-	-	47,295
TOTAL	\$ -	\$ 205,399	\$ 28,244	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	233,642

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
Copper Feeder										
Feeder Investment										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Levelized Cost of Capital										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-

Feeder

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Summary										
Cost of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Network Expense	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Total										
Feeder Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper u/g cable	-	-	-	-	-	-	-	-	-	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	747,271	13,725	-	-	-	-	-	-	760,996
fiber aerial cable	-	36,903	622	-	-	-	-	-	-	37,525
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	-	243,227	114,041	-	-	-	-	-	-	357,268
poles	-	21,985	13,360	-	-	-	-	-	-	35,345
TOTAL	\$ -	\$ 1,049,386	\$ 141,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,191,134
	0.00%	88.10%	11.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper u/g cable	-	-	-	-	-	-	-	-	-	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	115,545	2,122	-	-	-	-	-	-	117,667
fiber aerial cable	-	5,849	99	-	-	-	-	-	-	5,948
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	-	37,608	17,633	-	-	-	-	-	-	55,242
poles	-	4,659	2,831	-	-	-	-	-	-	7,491
TOTAL	\$ -	\$ 163,662	\$ 22,686	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 186,347
Network Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper u/g cable	-	-	-	-	-	-	-	-	-	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	29,053	534	-	-	-	-	-	-	29,586
fiber aerial cable	-	2,321	39	-	-	-	-	-	-	2,360
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	-	9,456	4,434	-	-	-	-	-	-	13,890
poles	-	907	551	-	-	-	-	-	-	1,459
TOTAL	\$ -	\$ 41,737	\$ 5,558	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,295
Summary										
Cost of Capital	\$ -	\$ 163,662	\$ 22,686	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 186,347
Network Expense	-	41,737	5,558	-	-	-	-	-	-	47,295
TOTAL	\$ -	\$ 205,399	\$ 28,244	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 233,642

End Office Switching

	0-5		5-100		100-200		200-650		650-850		850-2550		2550-5000		5000-10000		>10000		Totals	
	lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m			
EO Switching Investment																				
end office switching	\$	-	\$	398,962	\$	399,299	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	798,261
MDF/protector		-		-		-		-		-		-		-		-		-		-
wire center		-		61,224		61,276		-		-		-		-		-		-		122,500
land		-		11,155		8,845		-		-		-		-		-		-		20,000
TOTAL	\$	-	\$	471,341	\$	469,420	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	940,761
		0.00%		50.10%		49.90%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		100.00%
Levelized Cost of Capital																				
end office switching	\$	-	\$	64,559	\$	64,613	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	129,172
MDF/protector		-		-		-		-		-		-		-		-		-		-
wire center		-		9,248		9,256		-		-		-		-		-		-		18,504
land		-		1,877		1,488		-		-		-		-		-		-		3,365
TOTAL	\$	-	\$	75,684	\$	75,358	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	151,041
Network Expenses																				
end office switching	\$	-	\$	18,951	\$	18,967	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	37,917
MDF/protector		-		-		-		-		-		-		-		-		-		-
wire center		-		6,751		6,757		-		-		-		-		-		-		13,508
land		-		-		-		-		-		-		-		-		-		-
TOTAL	\$	-	\$	25,702	\$	25,724	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	51,426
Summary																				
Cost of Capital	\$	-	\$	75,684	\$	75,358	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	151,041
Network Expense		-		25,702		25,724		-		-		-		-		-		-		51,426
TOTAL	\$	-	\$	101,386	\$	101,081	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	202,467

Signaling

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Signaling Investment										
SCP	\$ -	\$ 3,570	\$ 3,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,143
SCP wire center	-	571	572	-	-	-	-	-	-	1,143
STP	-	7,853	7,860	-	-	-	-	-	-	15,714
signaling links	-	9,723	1,939	-	-	-	-	-	-	11,662
TOTAL	\$ -	\$ 21,717	\$ 13,943	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	35,660
	0.00%	60.90%	39.10%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
SCP	\$ -	\$ 578	\$ 578	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,156
SCP wire center	-	86	86	-	-	-	-	-	-	173
STP	-	1,271	1,272	-	-	-	-	-	-	2,543
signaling links	-	1,556	310	-	-	-	-	-	-	1,866
TOTAL	\$ -	\$ 3,490	\$ 2,247	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,737
Network Expenses										
SCP	\$ -	\$ 170	\$ 170	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	339
SCP wire center	-	63	63	-	-	-	-	-	-	126
STP	-	373	373	-	-	-	-	-	-	746
signaling links	-	377	75	-	-	-	-	-	-	452
TOTAL	\$ -	\$ 982	\$ 681	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,664
Summary										
Cost of Capital	\$ -	\$ 3,490	\$ 2,247	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,737
Network Expense	-	982	681	-	-	-	-	-	-	1,664
TOTAL	\$ -	\$ 4,473	\$ 2,928	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,401

Dedicated Transport

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Dedicated Transport Investment										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	-	301,944	53,892	-	-	-	-	-	-	355,836
aerial cable	-	8,961	1,575	-	-	-	-	-	-	10,536
poles	-	4,756	1,081	-	-	-	-	-	-	5,837
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 315,662	\$ 56,548	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	372,210
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	-	46,687	8,333	-	-	-	-	-	-	55,020
aerial cable	-	1,420	250	-	-	-	-	-	-	1,670
poles	-	1,008	229	-	-	-	-	-	-	1,237
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 49,116	\$ 8,812	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	57,927
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	-	11,739	2,095	-	-	-	-	-	-	13,834
aerial cable	-	564	99	-	-	-	-	-	-	663
poles	-	196	45	-	-	-	-	-	-	241
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 12,499	\$ 2,239	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,738
Summary										
Cost of Capital	\$ -	\$ 49,116	\$ 8,812	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	57,927
Network Expense	-	12,499	2,239	-	-	-	-	-	-	14,738
TOTAL	\$ -	\$ 61,615	\$ 11,051	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	72,665
Transmission Terminal										
investment	\$ -	\$ 68,951	\$ 21,067	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	90,018
levelized cost of capital	-	13,469	4,115	-	-	-	-	-	-	17,584
network expenses	-	1,055	322	-	-	-	-	-	-	1,377
TOTAL	\$ -	\$ 14,524	\$ 4,438	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	18,961

Direct Transport

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Direct Transport Investment										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	-	121,752	20,525	-	-	-	-	-	-	142,278
aerial cable	-	3,614	600	-	-	-	-	-	-	4,214
poles	-	1,914	412	-	-	-	-	-	-	2,326
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 127,280	\$ 21,537	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	148,817
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	-	18,826	3,174	-	-	-	-	-	-	21,999
aerial cable	-	573	95	-	-	-	-	-	-	668
poles	-	406	87	-	-	-	-	-	-	493
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 19,804	\$ 3,356	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,160
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	-	4,734	798	-	-	-	-	-	-	5,532
aerial cable	-	227	38	-	-	-	-	-	-	265
poles	-	79	17	-	-	-	-	-	-	96
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 5,040	\$ 853	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,893
Summary										
Cost of Capital	\$ -	\$ 19,804	\$ 3,356	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,160
Network Expense	-	5,040	853	-	-	-	-	-	-	5,893
TOTAL	\$ -	\$ 24,844	\$ 4,209	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	29,053
Transmission Terminal										
investment	\$ -	\$ 27,654	\$ 8,024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	35,678
levelized cost of capital	-	5,402	1,567	-	-	-	-	-	-	6,969
network expenses	-	423	123	-	-	-	-	-	-	546
TOTAL	\$ -	\$ 5,825	\$ 1,690	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,515

Common Transport

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Common Transport Investment										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	-	460,366	72,523	-	-	-	-	-	-	532,879
aerial cable	-	13,666	2,119	-	-	-	-	-	-	15,785
poles	-	7,220	1,455	-	-	-	-	-	-	8,675
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 481,243	\$ 76,097	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	557,340
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	-	71,181	11,214	-	-	-	-	-	-	82,395
aerial cable	-	2,166	336	-	-	-	-	-	-	2,502
poles	-	1,530	308	-	-	-	-	-	-	1,839
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 74,878	\$ 11,858	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	86,736
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	-	17,898	2,820	-	-	-	-	-	-	20,717
aerial cable	-	859	133	-	-	-	-	-	-	993
poles	-	298	60	-	-	-	-	-	-	358
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 19,055	\$ 3,013	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	22,068
Summary										
Cost of Capital	\$ -	\$ 74,878	\$ 11,858	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	86,736
Network Expense	-	19,055	3,013	-	-	-	-	-	-	22,068
TOTAL	\$ -	\$ 93,933	\$ 14,871	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	108,804
Transmission Terminal										
investment	\$ -	\$ 103,937	\$ 28,350	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	132,287
levelized cost of capital	-	20,303	5,538	-	-	-	-	-	-	25,841
network expenses	-	1,590	434	-	-	-	-	-	-	2,024
TOTAL	\$ -	\$ 21,893	\$ 5,972	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	27,865

Tandem Switching

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Tandem Switching Investment										
tandem switching	\$ -	\$ 2,713	\$ 2,715	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,428
wire center	-	3,570	3,573	-	-	-	-	-	-	7,143
TOTAL	\$ -	\$ 6,283	\$ 6,288	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,571
Levelized Cost of Capital										
tandem switching	\$ -	\$ 439	\$ 439	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	878
wire center	-	539	540	-	-	-	-	-	-	1,079
TOTAL	\$ -	\$ 978	\$ 979	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,957
Network Expenses										
tandem switching	\$ -	\$ 129	\$ 129	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	258
wire center	-	394	394	-	-	-	-	-	-	788
TOTAL	\$ -	\$ 523	\$ 523	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,045
Summary										
Cost of Capital	\$ -	\$ 978	\$ 979	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,957
Network Expense	-	523	523	-	-	-	-	-	-	1,045
TOTAL	\$ -	\$ 1,501	\$ 1,502	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,003

Operator Services

	0-5		5-100		100-200		200-650		650-850		850-2550		2550-5000		5000-10000		>10000		Totals
	lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		
Operator Investment																			
OS Tandem Switching	\$	-	\$	1,142	\$	1,143	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	2,286
OS Tandem Wire Center		-		1,428		1,429		-		-		-		-		-		-	2,857
OS Trunks		-		55,242		8,305		-		-		-		-		-		-	63,547
OS Position		-		2,108		2,109		-		-		-		-		-		-	4,217
TOTAL	\$	-	\$	59,920	\$	12,986	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	72,906
Levelized Cost of Capital																			
OS Tandem Switching	\$	-	\$	185	\$	185	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	370
OS Tandem Wire Center		-		216		216		-		-		-		-		-		-	432
OS Trunks		0		8547.569404		1284.97693		0		0		0		0		0		0	9,833
OS Position		-		510		511		-		-		-		-		-		-	1,021
TOTAL	\$	-	\$	9,458	\$	2,196	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	11,655
Network Expenses																			
OS Tandem Switching	\$	-	\$	54	\$	54	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	109
OS Tandem Wire Center		-		157		158		-		-		-		-		-		-	315
OS Trunks		-		2,141		322		-		-		-		-		-		-	2,463
OS Position		-		142		142		-		-		-		-		-		-	285
Operator Wages		-		3,660		3,663		-		-		-		-		-		-	7,322
TOTAL	\$	-	\$	6,155	\$	4,339	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	10,494
Summary																			
Cost of Capital	\$	-	\$	9,458	\$	2,196	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	11,655
Network Expense		-		6,155		4,339		-		-		-		-		-		-	10,494
TOTAL	\$	-	\$	15,613	\$	6,535	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	22,149

Public Telephone

	0-5 lines/sq m		5-100 lines/sq m		100-200 lines/sq m		200-650 lines/sq m		650-850 lines/sq m		850-2550 lines/sq m		2550-5000 lines/sq m		5000-10000 lines/sq m		>10000 lines/sq m		Totals
Public Telephone Investment	\$	-	\$	1,650	\$	2,372	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	4,023
		0.00%		41.03%		58.97%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	100.00%
Levelized Cost of Capital	\$	-	\$	337	\$	485	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	822
Network Expenses	\$	-	\$	310	\$	446	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	757
Summary																			
Cost of Capital	\$	-	\$	337	\$	485	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	822
Network Expense		-		310		446		-		-		-		-		-		-	757
TOTAL	\$	-	\$	648	\$	931	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	1,579

DeprecLife	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	
CCCFact	1.08310	0.58381	0.41833	0.33629	0.28763	0.25565	0.23320	0.21670	0.20416	0.19439	0.18663	0.18036	0.17525	0.17104	0.16754	0.16462	0.16217	0.16010	0.15836	0.15689	0.15565	0.15460	0.15371	0.15297	0.15234	0.15182	0.15139	0.15104	0.15076	0.15053	0.15036	0.15023	0.15013	
DeprecFact	1.00000	0.50000	0.33333	0.25000	0.20000	0.16667	0.14286	0.12500	0.11111	0.10000	0.09091	0.08333	0.07692	0.07143	0.06667	0.06250	0.05882	0.05556	0.05263	0.05000	0.04762	0.04545	0.04348	0.04167	0.04000	0.03846	0.03704	0.03571	0.03448	0.03333	0.03226	0.03125	0.03030	
RORFact	0.05841	0.05891	0.05974	0.06065	0.06160	0.06255	0.06350	0.06446	0.06540	0.06635	0.06728	0.06820	0.06912	0.07002	0.07090	0.07178	0.07264	0.07349	0.07432	0.07513	0.07593	0.07671	0.07748	0.07823	0.07896	0.07968	0.08038	0.08106	0.08173	0.08238	0.08301	0.08363	0.08423	
TaxGUFact	0.02469	0.02490	0.02525	0.02564	0.02604	0.02644	0.02684	0.02725	0.02765	0.02804	0.02844	0.02883	0.02922	0.02960	0.02997	0.03034	0.03070	0.03106	0.03141	0.03176	0.03210	0.03243	0.03275	0.03307	0.03338	0.03368	0.03398	0.03427	0.03455	0.03482	0.03509	0.03535	0.03560	
COE	13.19%		EquityF	55.80%		WACC	11.25%		Tax	39.25%																								
COD	8.80%		EquityP	65.42%		GtUpROR	16.00%		Disct	11.25%																								
NPV-EoP	0.97081	0.99366	1.01497	1.03485	1.05342	1.07077	1.08699	1.10217	1.11639	1.12971	1.14220	1.15392	1.16492	1.17526	1.18498	1.19413	1.20275	1.21087	1.21853	1.22576	1.23258	1.23904	1.24514	1.25092	1.25639	1.26158	1.26650	1.27117	1.27561	1.27982	1.28384	1.28766	1.29130	
NPV-BoP	1.08002	1.10544	1.12915	1.15127	1.17192	1.19123	1.20928	1.22616	1.24198	1.25680	1.27069	1.28373	1.29597	1.30747	1.31829	1.32847	1.33806	1.34709	1.35561	1.36365	1.37125	1.37842	1.38521	1.39164	1.39773	1.40350	1.40897	1.41417	1.41911	1.42380	1.42826	1.43252	1.43657	
Pmt-EoP	1.14077	0.61490	0.44061	0.35420	0.30295	0.26927	0.24562	0.22824	0.21503	0.20474	0.19657	0.18997	0.18459	0.18015	0.17646	0.17339	0.17080	0.16863	0.16679	0.16524	0.16393	0.16283	0.16190	0.16111	0.16045	0.15991	0.15946	0.15909	0.15879	0.15855	0.15836	0.15823	0.15813	
Pmt-BoP	1.02542	0.55272	0.39605	0.31838	0.27231	0.24204	0.22078	0.20516	0.19329	0.18404	0.17669	0.17076	0.16592	0.16193	0.15862	0.15585	0.15353	0.15158	0.14993	0.14854	0.14736	0.14636	0.14552	0.14482	0.14423	0.14374	0.14333	0.14300	0.14273	0.14252	0.14235	0.14214		
Year	1	1.08002	0.62004	0.46671	0.39004	0.34404	0.31338	0.29147	0.27505	0.26227	0.25205	0.24368	0.23671	0.23082	0.22576	0.22138	0.21755	0.21416	0.21116	0.20847	0.20605	0.20386	0.20187	0.20005	0.19838	0.19685	0.19543	0.19412	0.19290	0.19177	0.19071	0.18973	0.18880	0.18793
2	2		0.54001	0.41336	0.35003	0.31203	0.28670	0.26861	0.25504	0.24448	0.23604	0.22913	0.22338	0.21850	0.21433	0.21071	0.20754	0.20475	0.20227	0.20004	0.19804	0.19624	0.19459	0.19309	0.19171	0.19045	0.18928	0.18819	0.18719	0.18625	0.18538	0.18456	0.18308	
3	3		0.36001	0.31002	0.28002	0.26003	0.24575	0.23503	0.22670	0.22004	0.21458	0.21004	0.20619	0.20290	0.20004	0.19754	0.19534	0.19338	0.19162	0.19004	0.18861	0.18732	0.18613	0.18504	0.18404	0.18312	0.18227	0.18147	0.18073	0.18004	0.17940	0.17879	0.17823	
4	4			0.27001	0.24001	0.23335	0.22288	0.21503	0.20892	0.20403	0.20003	0.19670	0.19388	0.19147	0.18937	0.18754	0.18592	0.18448	0.18320	0.18204	0.18099	0.18004	0.17917	0.17837	0.17764	0.17697	0.17634	0.17576	0.17522	0.17471	0.17424	0.17379	0.17338	
5	5				0.21600	0.20668	0.20002	0.19502	0.19114	0.18803	0.18548	0.18336	0.18157	0.18003	0.17870	0.17753	0.17651	0.17559	0.17477	0.17404	0.17337	0.17277	0.17221	0.17171	0.17124	0.17081	0.17041	0.17004	0.16970	0.16937	0.16907	0.16879	0.16853	
6	6					0.18000	0.17715	0.17502	0.17335	0.17202	0.17093	0.17003	0.16926	0.16860	0.16803	0.16753	0.16709	0.16670	0.16635	0.16604	0.16575	0.16549	0.16525	0.16504	0.16484	0.16465	0.16448	0.16432	0.16418	0.16404	0.16391	0.16379	0.16368	
7	7						0.15429	0.15501	0.15557	0.15602	0.15638	0.15669	0.15695	0.15717	0.15736	0.15753	0.15768	0.15781	0.15793	0.15803	0.15813	0.15822	0.15830	0.15837	0.15844	0.15850	0.15856	0.15861	0.15866	0.15870	0.15875	0.15879	0.15883	
8	8							0.13779	0.14001	0.14183	0.14335	0.14464	0.14574	0.14669	0.14753	0.14826	0.14892	0.14950	0.15003	0.15051	0.15094	0.15134	0.15170	0.15203	0.15234	0.15263	0.15289	0.15314	0.15337	0.15359	0.15379	0.15398		
9	9								0.12000	0.12401	0.12728	0.13001	0.13232	0.13430	0.13602	0.13752	0.13885	0.14003	0.14108	0.14203	0.14289	0.14367	0.14438	0.14503	0.14563	0.14619	0.14670	0.14718	0.14762	0.14803	0.14842	0.14879	0.14913	
10	10									0.10800	0.11273	0.11668	0.12001	0.12293	0.12535	0.12732	0.12943	0.13113	0.13266	0.13403	0.13526	0.13639	0.13742	0.13836	0.13923	0.14003	0.14077	0.14146	0.14210	0.14270	0.14326	0.14378	0.14428	
11	11										0.09818	0.10334	0.10770	0.11144	0.11468	0.11752	0.12002	0.12224	0.12423	0.12602	0.12764	0.12912	0.13046	0.13169	0.13283	0.13388	0.13484	0.13574	0.13658	0.13736	0.13810	0.13878	0.13943	
12	12											0.09900	0.09539	0.10001	0.10401	0.10751	0.11060	0.11335	0.11581	0.11802	0.12002	0.12184	0.12350	0.12503	0.12643	0.12772	0.12892	0.13003	0.13106	0.13203	0.13293	0.13378	0.13458	
13	13												0.08308	0.08858	0.09334	0.09751	0.10119	0.10446	0.10739	0.11002	0.11240	0.11457	0.11654	0.11836	0.12002	0.12156	0.12299	0.12431	0.12554	0.12670	0.12777	0.12878	0.12973	
14	14												0.07714	0.08267	0.08751	0.09177	0.09557	0.09896	0.10202	0.10478	0.10729	0.10959	0.11169	0.11362	0.11541	0.11706	0.11860	0.12003	0.12136	0.12261	0.12378	0.12488		
15	15													0.07750	0.08236	0.08668	0.09054	0.09401	0.09716	0.10002	0.10263	0.10502	0.10722	0.10925	0.11113	0.11288	0.11451	0.11603	0.11745	0.11878	0.12003			
16	16														0.06750	0.07295	0.07778	0.08211	0.08601	0.08954	0.09274	0.09567	0.09835	0.10082	0.10310	0.10521	0.10716	0.10899	0.11069	0.11228	0.11378	0.11518		
17	17															0.06353	0.06889	0.07369	0.07801	0.08192	0.08547	0.08871	0.09168	0.09442	0.09694	0.09928	0.10145	0.10347	0.10536	0.10712	0.10877	0.11033		
18	18																0.06000	0.06527	0.07001	0.07429	0.07819	0.08175	0.08501	0.08801	0.09079	0.09335	0.09573	0.09795	0.10002	0.10196	0.10377	0.10548		
19	19																0.05684	0.06200	0.06667	0.07092	0.07479	0.07834	0.08161	0.08463	0.08742	0.09002	0.09243	0.09469	0.09679	0.09877	0.10063			
20	20																	0.05400	0.05905	0.06364	0.06783	0.07168	0.07521	0.07847	0.08149	0.08430	0.08691	0.08935	0.09163	0.09377	0.09578			
21	21																		0.05143	0.05637	0.06087	0.06501	0.06881	0.07232	0.07557	0.07858	0.08139	0.08402	0.08647	0.08877	0.09093			
22	22																			0.04909	0.05392	0.05834	0.06241	0.06616	0.06964	0.07287	0.07587	0.07868	0.08131	0.08377	0.08608			
23	23																				0.04696	0.05167	0.05600	0.06001	0.06371	0.06715	0.07036	0.07335	0.07614	0.07876	0.08123			
24	24																					0.04500	0.04960	0.05385	0.05778	0.06144	0.06484	0.06801	0.07098	0.07376	0.07638			
25	25																						0.04320	0.04770	0.05186	0.05572	0.05932	0.06268	0.06582	0.06876	0.07153			
26	26																							0.04154	0.04593	0.05000	0.05380	0.05734	0.06065	0.06376	0.06668			
27	27																								0.04000	0.04429	0.04828	0.05201	0.05549	0.05876	0.06183			
28	28																									0.03857	0.04276	0.04667	0.05033	0.05376	0.05698			
29	29																																	

DeprecLife	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	
CCF-Fact	0.15007	0.15004	0.15003	0.15005	0.15008	0.15013	0.15019	0.15026	0.15034	0.15044	0.15053	0.15064	0.15074	0.15085	0.15097	0.15108	0.15120	0.15132	0.15144	0.15156	0.15168	0.15179	0.15191	0.15203	0.15214	0.15226	0.15237	0.15248	0.15259	0.15270	0.15280	0.15290	0.15301	
DeprecFact	0.02041	0.02057	0.02073	0.02073	0.02032	0.02564	0.02500	0.02439	0.02381	0.02236	0.02273	0.02222	0.02174	0.02128	0.02083	0.02041	0.02000	0.01961	0.01923	0.01887	0.01852	0.01818	0.01786	0.01754	0.01724	0.01695	0.01667	0.01639	0.01613	0.01587	0.01563	0.01538	0.01515	
ROF-Fact	0.08481	0.08538	0.08593	0.08647	0.08699	0.08750	0.08799	0.08847	0.08894	0.08939	0.08983	0.09026	0.09068	0.09108	0.09147	0.09185	0.09222	0.09258	0.09293	0.09327	0.09360	0.09391	0.09423	0.09453	0.09482	0.09511	0.09538	0.09565	0.09592	0.09617	0.09642	0.09666	0.09690	
Fax-GU-Fact	0.15086	0.15803	0.15802	0.15804	0.15807	0.15812	0.15819	0.15826	0.15835	0.15845	0.15855	0.15866	0.15877	0.15889	0.15901	0.15913	0.15925	0.15938	0.15950	0.15963	0.15975	0.15988	0.16000	0.16012	0.16025	0.16037	0.16048	0.16060	0.16071	0.16083	0.16094	0.16105	0.16115	
COE	0.14208	0.14205	0.14204	0.14206	0.14209	0.14213	0.14219	0.14226	0.14234	0.14242	0.14252	0.14261	0.14272	0.14282	0.14293	0.14304	0.14315	0.14326	0.14337	0.14349	0.14360	0.14371	0.14382	0.14393	0.14404	0.14415	0.14426	0.14436	0.14446	0.14456	0.14466	0.14476	0.14486	
NPV-EoP	1.29477	1.29808	1.30124	1.30426	1.30715	1.30991	1.31255	1.31508	1.31751	1.31984	1.32207	1.32421	1.32627	1.32825	1.33016	1.33199	1.33376	1.33546	1.33710	1.33868	1.34021	1.34168	1.34311	1.34448	1.34581	1.34710	1.34835	1.34955	1.35072	1.35185	1.35295	1.35402	1.35505	
NPV-BoP	1.44043	1.44411	1.44763	1.45099	1.45420	1.45727	1.46021	1.46303	1.46573	1.46831	1.47080	1.47318	1.47548	1.47768	1.47980	1.48184	1.48380	1.48569	1.48752	1.48928	1.49098	1.49262	1.49420	1.49573	1.49721	1.49864	1.50003	1.50137	1.50267	1.50393	1.50515	1.50634	1.50749	
Pmc-EoP	0.15806	0.15803	0.15802	0.15804	0.15807	0.15812	0.15819	0.15826	0.15835	0.15845	0.15855	0.15866	0.15877	0.15889	0.15901	0.15913	0.15925	0.15938	0.15950	0.15963	0.15975	0.15988	0.16000	0.16012	0.16025	0.16037	0.16048	0.16060	0.16071	0.16083	0.16094	0.16105	0.16115	
Pmc-BoP	0.14208	0.14205	0.14204	0.14206	0.14209	0.14213	0.14219	0.14226	0.14234	0.14242	0.14252	0.14261	0.14272	0.14282	0.14293	0.14304	0.14315	0.14326	0.14337	0.14349	0.14360	0.14371	0.14382	0.14393	0.14404	0.14415	0.14426	0.14436	0.14446	0.14456	0.14466	0.14476	0.14486	
Year	1	0.18711	0.18633	0.18560	0.18491	0.18426	0.18364	0.18305	0.18249	0.18195	0.18144	0.18096	0.18049	0.18005	0.17962	0.17921	0.17882	0.17845	0.17809	0.17774	0.17741	0.17709	0.17678	0.17648	0.17619	0.17591	0.17564	0.17538	0.17513	0.17489	0.17465	0.17442	0.17420	0.17399
2	0.18240	0.18176	0.18116	0.18059	0.18005	0.17953	0.17905	0.17858	0.17814	0.17772	0.17732	0.17694	0.17657	0.17622	0.17588	0.17556	0.17525	0.17495	0.17466	0.17439	0.17412	0.17387	0.17362	0.17338	0.17315	0.17293	0.17271	0.17251	0.17231	0.17211	0.17192	0.17174	0.17156	
3	0.17769	0.17719	0.17671	0.17626	0.17583	0.17543	0.17505	0.17468	0.17433	0.17400	0.17368	0.17338	0.17309	0.17281	0.17255	0.17229	0.17205	0.17181	0.17158	0.17137	0.17116	0.17096	0.17076	0.17057	0.17039	0.17022	0.17005	0.16988	0.16972	0.16957	0.16942	0.16928	0.16914	
4	0.17298	0.17262	0.17227	0.17194	0.17162	0.17133	0.17104	0.17078	0.17052	0.17028	0.17004	0.16982	0.16961	0.16941	0.16921	0.16902	0.16885	0.16867	0.16851	0.16839	0.16829	0.16819	0.16809	0.16799	0.16789	0.16779	0.16769	0.16759	0.16749	0.16739	0.16729	0.16719	0.16709	
5	0.16828	0.16804	0.16782	0.16761	0.16741	0.16722	0.16704	0.16687	0.16671	0.16656	0.16641	0.16627	0.16613	0.16600	0.16588	0.16576	0.16564	0.16553	0.16543	0.16533	0.16523	0.16514	0.16504	0.16496	0.16487	0.16479	0.16471	0.16464	0.16456	0.16449	0.16442	0.16435	0.16429	
6	0.16357	0.16347	0.16337	0.16328	0.16320	0.16312	0.16304	0.16297	0.16290	0.16283	0.16277	0.16271	0.16265	0.16260	0.16254	0.16249	0.16244	0.16240	0.16235	0.16231	0.16227	0.16223	0.16219	0.16215	0.16211	0.16208	0.16204	0.16201	0.16198	0.16195	0.16192	0.16189	0.16186	
7	0.15886	0.15890	0.15893	0.15896	0.15899	0.15901	0.15904	0.15907	0.15911	0.15913	0.15915	0.15917	0.15919	0.15921	0.15923	0.15924	0.15926	0.15927	0.15929	0.15930	0.15932	0.15933	0.15934	0.15935	0.15937	0.15938	0.15939	0.15940	0.15941	0.15942	0.15943	0.15944	0.15945	
8	0.15416	0.15432	0.15448	0.15463	0.15478	0.15491	0.15504	0.15516	0.15528	0.15539	0.15549	0.15560	0.15570	0.15581	0.15592	0.15602	0.15612	0.15622	0.15632	0.15642	0.15652	0.15662	0.15672	0.15682	0.15692	0.15702	0.15712	0.15722	0.15732	0.15742	0.15752	0.15762	0.15772	
9	0.14945	0.14975	0.15004	0.15031	0.15056	0.15081	0.15104	0.15126	0.15147	0.15167	0.15186	0.15204	0.15221	0.15238	0.15254	0.15269	0.15284	0.15298	0.15312	0.15325	0.15337	0.15350	0.15361	0.15373	0.15383	0.15394	0.15404	0.15414	0.15424	0.15434	0.15444	0.15454	0.15464	
10	0.14474	0.14518	0.14559	0.14598	0.14635	0.14670	0.14704	0.14735	0.14766	0.14794	0.14822	0.14848	0.14873	0.14897	0.14921	0.14943	0.14964	0.14984	0.15004	0.15023	0.15041	0.15059	0.15075	0.15092	0.15108	0.15123	0.15137	0.15152	0.15165	0.15179	0.15192	0.15204	0.15216	
11	0.14003	0.14061	0.14115	0.14166	0.14214	0.14260	0.14304	0.14345	0.14385	0.14424	0.14458	0.14493	0.14525	0.14557	0.14587	0.14616	0.14644	0.14671	0.14696	0.14721	0.14745	0.14768	0.14790	0.14811	0.14832	0.14851	0.14871	0.14889	0.14897	0.14925	0.14942	0.14958	0.14974	
12	0.13533	0.13603	0.13670	0.13733	0.13793	0.13850	0.13903	0.13955	0.14004	0.14050	0.14094	0.14137	0.14178	0.14216	0.14254	0.14289	0.14324	0.14357	0.14388	0.14419	0.14448	0.14477	0.14504	0.14530	0.14556	0.14580	0.14604	0.14627	0.14649	0.14671	0.14691	0.14712	0.14731	
13	0.13062	0.13146	0.13225	0.13301	0.13372	0.13439	0.13503	0.13564	0.13622	0.13678	0.13731	0.13781	0.13830	0.13876	0.13920	0.13963	0.14004	0.14043	0.14081	0.14117	0.14152	0.14186	0.14218	0.14249	0.14280	0.14309	0.14337	0.14365	0.14391	0.14417	0.14441	0.14465	0.14489	
14	0.12591	0.12689	0.12781	0.12868	0.12951	0.13029	0.13104	0.13174	0.13241	0.13306	0.13367	0.13426	0.13482	0.13535	0.13587	0.13636	0.13684	0.13729	0.13773	0.13815	0.13855	0.13895	0.13932	0.13969	0.14004	0.14038	0.14070	0.14102	0.14133	0.14163	0.14191	0.14219	0.14246	
15	0.12120	0.12231	0.12336	0.12435	0.12529	0.12618	0.12703	0.12784	0.12860	0.12933	0.13003	0.13070	0.13134	0.13195	0.13253	0.13310	0.13363	0.13415	0.13465	0.13513	0.13559	0.13604	0.13646	0.13688	0.13728	0.13766	0.13804	0.13840	0.13875	0.13909	0.13941	0.13973	0.14004	
16	0.11650	0.11774	0.11892	0.12003	0.12108	0.12208	0.12303	0.12393	0.12479	0.12561	0.12640	0.12714	0.12786	0.12854	0.12920	0.12983	0.13043	0.13101	0.13157	0.13211	0.13263	0.13313	0.13361	0.13407	0.13452	0.13495	0.13537	0.13577	0.13617	0.13654	0.13691	0.13727	0.13761	
17	0.11179	0.11317	0.11457	0.11570	0.11687	0.11798	0.11903	0.12003	0.12098	0.12189	0.12276	0.12359	0.12438	0.12514	0.12587	0.12656	0.12723	0.12788	0.12849	0.12909	0.12966	0.13022	0.13075	0.13126	0.13176	0.13224	0.13270	0.13315	0.13358	0.13400	0.13441	0.13481	0.13519	
18	0.10708	0.10860	0.11002	0.11138	0.11266	0.11387	0.11503	0.11613	0.11717	0.11817	0.11912	0.12003	0.12090	0.12173	0.12253	0.12330	0.12403	0.12474	0.12542	0.12607	0.12670	0.12731	0.12789	0.12845	0.12900	0.12953	0.13003	0.13053	0.13100	0.13146	0.13191	0.13234	0.13276	
19	0.10238	0.10402	0.10558	0.10705	0.10845	0.10977	0.11103	0.11222	0.11336	0.11445	0.11548	0.11647	0.11742	0.11833	0.11920	0.12003	0.12083	0.12160	0.12234	0.12305	0.12374	0.12440	0.12505	0.12566	0.12624	0.12681	0.12737	0.12790	0.12842	0.12892	0.12941	0.12988	0.13034	
20	0.09767	0.09945	0.10113	0.10273	0.10423	0.10567	0.10702	0.10832	0.10955	0.11072	0.11185	0.11292	0.11394	0.11492	0.11586	0.11676	0.11763	0.11846	0.11926	0.12003	0.12077	0.12149	0.12217	0.12284	0.12348	0.12410	0.12470	0.12528	0.12584	0.12638	0.12691	0.12742	0.12791	
21	0.09296	0.09488	0.09669	0.09840	0.09992	0.10136	0.10274	0.10404	0.10524	0.10634	0.10734	0.10824	0.10916	0.11002	0.11083	0.11155	0.11223	0.11288	0.11351	0.11411	0.11468	0.11527	0.11584	0.11639										

Depreciated life	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
CCCFact	0.15311	0.15320	0.15330	0.15339	0.15349	0.15358	0.15366	0.15375	0.15384	0.15392	0.15400	0.15408	0.15416	0.15423	0.15431
DeprecFact	0.01493	0.01471	0.01449	0.01429	0.01408	0.01389	0.01370	0.01351	0.01333	0.01316	0.01299	0.01282	0.01266	0.01250	0.01235
RORFact	0.09713	0.09735	0.09757	0.09778	0.09798	0.09818	0.09838	0.09857	0.09876	0.09894	0.09912	0.09929	0.09946	0.09962	0.09978
TaxGUFact	0.04106	0.04115	0.04124	0.04133	0.04142	0.04150	0.04159	0.04167	0.04174	0.04182	0.04190	0.04197	0.04204	0.04211	0.04218
COE															
COD															
NPV-EoP	1.35606	1.35703	1.35798	1.35890	1.35979	1.36066	1.36151	1.36234	1.36314	1.36392	1.36468	1.36542	1.36615	1.36685	1.36754
NPV-BuP	1.50861	1.50969	1.51075	1.51177	1.51277	1.51373	1.51468	1.51559	1.51649	1.51736	1.51820	1.51903	1.51983	1.52062	1.52138
Pmc-EoP	0.16126	0.16136	0.16146	0.16156	0.16166	0.16175	0.16185	0.16194	0.16203	0.16212	0.16220	0.16228	0.16237	0.16245	0.16253
Pmc-BuP	0.14495	0.14505	0.14514	0.14523	0.14531	0.14540	0.14548	0.14556	0.14564	0.14572	0.14580	0.14587	0.14595	0.14602	0.14609
Year															
1	0.17378	0.17358	0.17338	0.17319	0.17301	0.17283	0.17265	0.17248	0.17231	0.17215	0.17200	0.17184	0.17169	0.17155	0.17141
2	0.17139	0.17122	0.17106	0.17090	0.17075	0.17060	0.17046	0.17032	0.17018	0.17005	0.16992	0.16979	0.16967	0.16955	0.16943
3	0.16900	0.16887	0.16874	0.16862	0.16850	0.16838	0.16827	0.16816	0.16805	0.16794	0.16784	0.16774	0.16764	0.16755	0.16745
4	0.16661	0.16652	0.16642	0.16633	0.16624	0.16616	0.16607	0.16599	0.16591	0.16584	0.16576	0.16569	0.16562	0.16555	0.16548
5	0.16422	0.16416	0.16410	0.16405	0.16399	0.16393	0.16388	0.16383	0.16378	0.16373	0.16368	0.16364	0.16359	0.16355	0.16350
6	0.16184	0.16181	0.16178	0.16176	0.16173	0.16171	0.16169	0.16167	0.16165	0.16162	0.16160	0.16158	0.16156	0.16155	0.16153
7	0.15945	0.15946	0.15946	0.15947	0.15948	0.15949	0.15949	0.15950	0.15951	0.15952	0.15953	0.15954	0.15954	0.15955	0.15955
8	0.15706	0.15710	0.15714	0.15719	0.15723	0.15727	0.15730	0.15734	0.15738	0.15741	0.15745	0.15748	0.15751	0.15754	0.15757
9	0.15467	0.15475	0.15483	0.15490	0.15497	0.15504	0.15511	0.15518	0.15524	0.15531	0.15537	0.15543	0.15549	0.15554	0.15560
10	0.15228	0.15239	0.15251	0.15261	0.15272	0.15282	0.15292	0.15302	0.15311	0.15320	0.15329	0.15338	0.15346	0.15354	0.15362
11	0.14989	0.15004	0.15019	0.15033	0.15046	0.15060	0.15073	0.15085	0.15098	0.15109	0.15121	0.15132	0.15143	0.15154	0.15165
12	0.14750	0.14769	0.14787	0.14804	0.14821	0.14837	0.14853	0.14869	0.14884	0.14899	0.14913	0.14927	0.14941	0.14954	0.14967
13	0.14511	0.14533	0.14555	0.14575	0.14596	0.14615	0.14634	0.14653	0.14671	0.14688	0.14705	0.14722	0.14738	0.14754	0.14770
14	0.14273	0.14298	0.14323	0.14347	0.14370	0.14393	0.14415	0.14436	0.14457	0.14478	0.14498	0.14517	0.14536	0.14554	0.14572
15	0.14034	0.14063	0.14091	0.14118	0.14145	0.14171	0.14196	0.14220	0.14244	0.14267	0.14290	0.14312	0.14333	0.14354	0.14374
16	0.13795	0.13827	0.13859	0.13889	0.13919	0.13948	0.13976	0.14004	0.14031	0.14056	0.14082	0.14106	0.14130	0.14154	0.14177
17	0.13556	0.13592	0.13627	0.13661	0.13694	0.13726	0.13757	0.13788	0.13817	0.13846	0.13874	0.13901	0.13928	0.13954	0.13979
18	0.13317	0.13357	0.13395	0.13432	0.13468	0.13504	0.13538	0.13571	0.13604	0.13635	0.13666	0.13696	0.13725	0.13754	0.13782
19	0.13078	0.13121	0.13163	0.13204	0.13243	0.13281	0.13319	0.13355	0.13390	0.13425	0.13458	0.13491	0.13523	0.13554	0.13584
20	0.12839	0.12886	0.12931	0.12975	0.13018	0.13059	0.13099	0.13139	0.13177	0.13214	0.13250	0.13286	0.13320	0.13354	0.13386
21	0.12600	0.12656	0.12709	0.12766	0.12823	0.12877	0.12928	0.12976	0.13024	0.13069	0.13113	0.13156	0.13198	0.13239	0.13280
22	0.12362	0.12415	0.12467	0.12518	0.12567	0.12615	0.12661	0.12706	0.12750	0.12793	0.12835	0.12875	0.12915	0.12954	0.12991
23	0.12123	0.12180	0.12235	0.12289	0.12341	0.12392	0.12442	0.12490	0.12537	0.12582	0.12627	0.12670	0.12712	0.12753	0.12794
24	0.11884	0.11944	0.12003	0.12060	0.12116	0.12170	0.12222	0.12274	0.12323	0.12372	0.12419	0.12465	0.12510	0.12553	0.12596
25	0.11645	0.11709	0.11771	0.11832	0.11891	0.11948	0.12003	0.12057	0.12110	0.12161	0.12211	0.12260	0.12307	0.12353	0.12398
26	0.11406	0.11474	0.11539	0.11603	0.11665	0.11725	0.11784	0.11841	0.11897	0.11953	0.12008	0.12061	0.12113	0.12163	0.12210
27	0.11167	0.11238	0.11307	0.11374	0.11440	0.11503	0.11565	0.11625	0.11683	0.11740	0.11795	0.11849	0.11902	0.11953	0.12003
28	0.10928	0.11003	0.11075	0.11146	0.11214	0.11281	0.11345	0.11408	0.11470	0.11529	0.11588	0.11644	0.11699	0.11753	0.11806
29	0.10689	0.10768	0.10843	0.10917	0.10989	0.11058	0.11126	0.11192	0.11256	0.11319	0.11380	0.11439	0.11497	0.11553	0.11608
30	0.10450	0.10532	0.10611	0.10689	0.10763	0.10836	0.10907	0.10976	0.11043	0.11108	0.11172	0.11234	0.11294	0.11353	0.11410
31	0.10212	0.10297	0.10380	0.10460	0.10538	0.10614	0.10688	0.10760	0.10830	0.10898	0.10964	0.11029	0.11092	0.11153	0.11213
32	0.09973	0.10061	0.10148	0.10231	0.10313	0.10392	0.10469	0.10543	0.10616	0.10687	0.10756	0.10823	0.10889	0.10953	0.11015
33	0.09734	0.09826	0.09916	0.10003	0.10087	0.10169	0.10249	0.10327	0.10403	0.10476	0.10548	0.10618	0.10686	0.10753	0.10818
34	0.09495	0.09591	0.09684	0.09774	0.09862	0.09947	0.10030	0.10111	0.10189	0.10266	0.10340	0.10413	0.10484	0.10553	0.10620
35	0.09256	0.09355	0.09452	0.09545	0.09636	0.09725	0.09811	0.09894	0.09973	0.10055	0.10133	0.10208	0.10281	0.10353	0.10423
36	0.09017	0.09120	0.09220	0.09317	0.09411	0.09502	0.09592	0.09678	0.09763	0.09845	0.09925	0.10003	0.10079	0.10153	0.10225
37	0.08778	0.08885	0.08988	0.09088	0.09185	0.09280	0.09372	0.09462	0.09549	0.09634	0.09717	0.09797	0.09876	0.09953	0.10027
38	0.08539	0.08649	0.08756	0.08859	0.08960	0.09058	0.09153	0.09246	0.09336	0.09424	0.09509	0.09592	0.09673	0.09753	0.09830
39	0.08301	0.08414	0.08524	0.08631	0.08735	0.08836	0.08934	0.09029	0.09122	0.09213	0.09301	0.09387	0.09471	0.09553	0.09632
40	0.08062	0.08179	0.08292	0.08402	0.08509	0.08613	0.08715	0.08813	0.08909	0.09002	0.09093	0.09182	0.09269	0.09352	0.09435
41	0.07823	0.07943	0.08060	0.08173	0.08284	0.08391	0.08495	0.08597	0.08696	0.08792	0.08885	0.08977	0.09066	0.09152	0.09237
42	0.07584	0.07708	0.07828	0.07945	0.08058	0.08169	0.08276	0.08381	0.08482	0.08581	0.08678	0.08772	0.08863	0.08952	0.09039
43	0.07345	0.07472	0.07596	0.07716	0.07833	0.07946	0.08057	0.08164	0.08269	0.08371	0.08470	0.08566	0.08660	0.08752	0.08842
44	0.07106	0.07237	0.07364	0.07488	0.07608	0.07724	0.07838	0.07948	0.08055	0.08160	0.08262	0.08361	0.08458	0.08552	0.08644
45	0.06867	0.07002	0.07132	0.07259	0.07382	0.07502	0.07618	0.07732	0.07842	0.07949	0.08054	0.08156	0.08255	0.08352	0.08447
46	0.06628	0.06766	0.06900	0.07030	0.07157	0.07280	0.07399	0.07515	0.07629	0.07739	0.07846	0.07951	0.08053	0.08152	0.08249
47	0.06390	0.06531	0.06668	0.06802	0.06931	0.07057	0.07180	0.07299	0.07415	0.07528	0.07638	0.07746	0.07850	0.07952	0.08051
48	0.06151	0.06296	0.06436	0.06573	0.06706	0.06835	0.06961	0.07085	0.07202	0.07318	0.07430	0.07540	0.07648	0.07752	0.07854
49	0.05912	0.06060	0.06204	0.06344	0.06480	0.06613	0.06741	0.06867	0.06988	0.07107	0.07223	0.07335	0.07445	0.07552	0.07656
50	0.05673	0.05825	0.05972	0.06116	0.06255	0.06390	0.06522	0.06650	0.06775	0.06896	0.07015	0.07130	0.07242	0.07352	0.07459
51	0.05434	0.05589	0.05740	0.05887	0.06030	0.06168	0.06303	0.06434	0.06562	0.06686	0.06807	0.06925	0.07040	0.07152	0.07261
52	0.05195	0.05354	0.05508	0.05658	0.05804	0.05946	0.06084	0.06218	0.06348	0.06475	0.06599	0.06720	0.06837	0.06952	0.07063
53	0.04956	0.05119	0.05277	0.05430	0.05579	0.05724	0.05864	0.06001	0.06135	0.06265	0.06391	0.06514	0.06635	0.06752	0.06866
54	0.04717	0.04883	0.05045	0.05201	0.05353	0.05501	0.05645	0.05785	0.05921	0.06054	0.06183	0.06309	0.06432	0.06552	0.06668
55	0.04479	0.04648	0.04813	0.04973	0.05128	0.05279	0.05426	0.05569							

EXPENSE MODULE INPUTS

	User Inputs	Calculations
State	Missouri	
Company	Seneca Tel Co	
Cost of Capital Inputs		
Cost of Debt	8.80%	
Debt fraction	44.20%	
Cost of Equity	13.19%	
Equity fraction		55.80%
Weighted equity fraction		65.42%
Overall Cost of Capital		11.25%
Traffic Inputs		
local DEMs, thousands	33,391	
intrastate DEMs, thousands	7,129	
interstate DEMs, thousands	7,039	47,559 total DEMs, thousands
Local call completion fraction	70.00%	
Total local calls attempted	7,566	5,296 Total local calls completed
Total intraLATA calls completed	452	
Total interLATA calls completed - intrastate	455	
Total interLATA calls completed - interstate	969	
local DEM fraction	68.21%	
local interoffice traffic fraction	12.04%	
D link investment, per link	\$ -	
Bus/Res DEMs ratio (local, state, interstate)	110%	200% 300%
entrance facility investment per line	-	
local direct-routed fraction	98.00%	
tandem-routed intraLATA fraction	100.00%	
tandem-routed access fraction	100.00%	
maximum trunk usage, CCS	27.5	
ISUP msgs per i/o call attempt	6	
avg ISUP msg length, octets	25	
TCAP msgs per transaction	2	
TCAP msg length, octets	100	
fraction of calls requiring TCAP	10.00%	
trunk port investment, per port	\$ 100	
Switch line circuit offset per DLC line	\$ -	
Total signaling links	4	
Average trunk utilization	30.00%	
Cost Parameters		
tax rate	39.25%	
corporate overhead factor	10.40%	
other taxes factor	5.00%	
billing/bill inquiry per line per month	\$ 2.30	
directory listing per line per month	\$ -	
forward-looking network operations factor	100.00%	
alternative CO switching factor	4.75%	
alternative circuit equipment factor	1.53%	
EO non-port fraction	70.00%	
per-line monthly LNP cost	\$ 0.25	
Carrier-carrier customer service, per line per year	\$ 1.69	
NID expense per line per year	\$ 1.00	
DS-0/DS-1 terminal factor	12.4	
DS-1/DS-3 terminal factor	9.9	
Average lines per business location	4.00	

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Account	USOA Category	Economic Lives	Net Salvage Percent	Adjusted Projection Lives (years)	Investment
2112	Motor Vehicles	9.28	0.1121	10.45	
2115	Garage Work Equipment	11.04	-0.1071	9.97	
2116	Other Work Equipment	13.47	0.0321	13.92	
2121	Buildings	47.82	0.0187	48.73	
2122	Furniture	17.1	0.0688	18.36	
2123.1	Office Support Equipmen	11.58	0.0691	12.44	
2123.2	Company Comm Equipm	7.69	0.0376	7.99	
2124	Computers	6.36	0.0373	6.61	
2212	Digital Switching	16.66	0.0297	17.17	
2220	Operator Systems	9.33	-0.0082	9.25	
2232.2	Digital Circuit Equipment	10.07	-0.0169	9.90	
2351	Public Telephone	8.26	0.0797	8.98	
	NID, SAI			18.06	Calculated
2411	Poles	15.92	-0.8998	8.38	
2421-m	Aerial Cable - Metallic	16.75	-0.2303	13.61	\$ 96,716
2421-nm	Aerial Cable - Non-Metall	22.24	-0.1753	18.92	\$ 53,310
2422-m	Underground - Metallic	21.14	-0.1826	17.88	\$ -
2422-nm	Underground - Non-Meta	23.08	-0.1458	20.14	\$ -
2423-m	Buried - Metallic	19.9	-0.0839	18.36	\$ 1,911,115
2423-nm	Buried - Non-Metallic	23.86	-0.0858	21.97	\$ 1,791,989
2426-m	Intrabuilding - Metallic	15.71	-0.1674	13.57	
2426-nm	Intrabuilding - Non-Metall	23.62	-0.1052	21.37	
2441	Conduit Systems	50.92	-0.1034	46.15	
Average Metallic Cable (calculated)				18.06	\$ 2,007,831
Average Non-Metallic Cable (calculated)				21.87	\$ 1,845,300

\$ 7,104
\$ 2,817
\$ -
\$ -
\$ 104,093
\$ 81,548

\$ 111,197
\$ 84,366

Structure fraction assigned to telephone

density range	dist aerial	dist buried	dist underground	fdr aerial	fdr underground	fdr buried
0-5	100%	100%	100%	100%	100%	100%
5-100	100%	100%	100%	100%	100%	100%
100-200	100%	100%	100%	100%	100%	100%
200-650	50%	100%	100%	50%	100%	100%
650-850	50%	100%	100%	50%	100%	100%
850-2550	50%	100%	100%	50%	100%	100%
2550-5000	50%	100%	100%	50%	100%	100%
5000-10000	50%	100%	100%	50%	100%	100%
>10000	50%	100%	100%	50%	100%	100%

Usage Calculations

Intrastate Toll DEMs	7,129,000	
Interstate Toll DEMs	7,039,000	
trunk port usage	81,885,088	
trk-min/mo	10,044	
interLATA ded. trunks	118	
Common Transport MOU		
Local	78,088	w/o OS usage
Intrastate Toll	7,129,000	
Interstate Toll	7,039,000	
	14,246,088	
Intrastate IntraLATA Calls	452	49.83% SOCCC message counts
Intrastate InterLATA Calls	455	50.17%
	907	

Calculation of EO Usage

Local DEMs, incl OS	33,391,000	70.2% of total DEMs
Intraoffice Local DEMs	29,372,097	
Intraoffice Local Actual Min	14,686,049	
Interoffice Local Actual Min	4,018,903	per end
Intrastate Toll Actual Min	7,129,000	
Interstate Toll Actual Min	<u>7,039,000</u>	
	32,872,951	
Tandem Switch MOU		
Local	39,044	Dedicated Trunk-SW
IntraLATA Toll	1,776,355	133
InterLATA Toll	<u>10,615,290</u>	
	12,430,689	

TRANSFORMED REGULATED		1995 COMPANY NAME:	ICO	
		OTHER TAXES & UNCOLLECTIBLES CALCULATION	EXPENSES	NET REVENUES
		7230 OPERATING STATE & LOCAL INCOME TAX-NET	18	
		7240 OPERATING OTHER TAXES	78	
		5300 UNCOLLECTIBLE REVENUES		30
		530 NET REVENUES		1,871
		GROSS REVENUES (5300 + 530)		1,900
		UNCLL GROSS REV		0.015532
		(5300-4040(p.r)) / (5081+5; UNCLL RETAIL RATE		2.27%
		(4040(p)) / (5082..5084) UNCLL WHOLESALE RATE		0.43%
EXP	INV	PLANT SPECIFIC OPERATIONS EXPENSES	A. EXPENSES	B. INVESTMENTS
		TPIS GENERAL SUPPORT		C. EXP/INV (A/B)
		2111 LAND		26
		2121 BUILDINGS		371
6121	2121	TOTAL LAND & BUILDINGS	41	397
				0.103180
6112	2112	2112 MOTOR VEHICLES	2	64
6113	2113	2113 AIRCRAFT	1	3
6114	2114	2114 SPECIAL PURPOSE VEHICLES	0	0
6115	2115	2115 GARAGE WORK EQUIPMENT	0	2
6116	2116	2116 OTHER WORK EQUIPMENT	1	50
6122	2122	2122 FURNITURE	3	24
6123	2123	2123 OFFICE EQUIPMENT	6	62
6124	2124	2124 GENERAL PRUPOSE COMPUTERS	61	96
6120	2110	2110 TOTAL LAND & SUPPORT ASSETS	112	699
				0.15965268
		TPIS - CENTRAL OFFICE SWITCHING		
		-		
6211	2211	2211 ANALOG ELECT SWITCH	2	41
6212	2212	2212 DIGITAL ELECTRONIC SWITCHING	70	1,222
6220	2220	2220 OPERATOR SYSTEMS	1	19
6210	2210	22102221022102210 CENTRAL OFFICE SWITCH	73	1,282
		TPIS - CENTRAL OFFICE TRANSMISSION		
		-		
6232	2232	2232 CIRCUIT EQUIPMENT	14	842
6230	2230	2230 TRANSMISSION	15	880
				0.016263483
		0.01663194		
		TPIS - INFORMATION ORIG/TERM		
		-		
6311	2311	2311 STATION APPARATUS	0	1
				0.382353
6321	2321	2321 CUSTOMER PREMISES WIRING	0	0
				#DIV/0!
6341	2341	2341 LARGE PRIVATE BRANCH EXCHANGE	0	0
				4.500000
6351	2351	2351 PUBLIC TEL TERMINAL EQUIPMENT	5	27
6362	2362	2362 OTHER TERMINAL EQUIPMENT	8	46
6310	2310	2310 TOTAL INFORMATION ORIG/TERM	13	73
				0.182377792
		TPIS - CABLE & WIRE FACILITIES		
		-		
6411	2411	2411 POLES	6	145
6421	2421	2421 AERIAL CABLE	43	684
6422	2422	2422 UNDERGROUND CABLE	9	436
6423	2423	2423 BURIED CABLE	47	1,211
6441	2441	2441 CONDUIT SYSTEMS	1	247
6410	2410	2410 TOTAL CABLE & WIRE FACILITIES	107	2,752
				0.038842
		240 TOTAL TPIS(BEFORE AMORTIZABLE ASSETS)	212	5,728
		(2110+2210+2220+2230+2310+2410)		0.037062996
		PLANT NON-SPECIFIC OPERATIONS EXPENSES	A. EXPENSES	B. TPIS INVESTMENT
		=	=	C. EXP/INV (A/B)
6512	240	6512 PROVISIONING EXPENSES	2	5,728
				0.000300
6531	240	6531 POWER EXPENSES	9	5,728
				0.001623
6532	240	6532 NETWORK ADMINISTRATION	23	5,728
				0.004102
6533	240	6533 TESTING	24	5,728
				0.004252
6534	240	6534 PLANT OPERATIONS ADMINISTRATION	37	5,728
				0.006391
6535	240	6535 ENGINEERING	19	5,728
				0.003373
6540	240	6540 ACCESS EXPENSE	32	5,728
				0.005573799
6530	240	6530 TOTAL NETWORK OPERATIONS EXPENSES	113	5,728
				0.019740601
6561	240	6561 DEPRECIATION - TPIS	399 399 399 399	5,728 5,728 5,728 5,728
		65616561656165616561 DEPRECIATION - TPIS		0.0696775250 0.069677525
		NETWORK SUPPORT FACTOR CALCULATION	A. EXPENSES	B. CABLE & WIRE INV
		=	=	C. EXP/INV (A/B)
6112		2112 MOTOR VEHICLES	2	
6113		2113 AIRCRAFT	1	
6114		2114 SPECIAL PURPOSE VEHICLES	0	
6115		2115 GARAGE WORK EQUIPMENT	0	
6116		2116 OTHER WORK EQUIPMENT	1	
		TOTAL NETWORK SUPPORT (EXCL 2113)	3	2,752
				0.001041087
		CUSTOMER OPERATIONS EXPENSES	A. EXPENSES	B. NET REVENUES
		=	=	C. EXP/NET REV (A/B)
6611		6611 PRODUCT MANAGEMENT	16	CALC
6612		6612 SALES	30	CALC
6613		6613 PRODUCT ADVERTISING	11	CALC
6610		6610 TOTAL MARKETING EXPENSES	57	CALC
6621		6621 CALL COMPLETION SERVICE	13	CALC
6622		6622 NUMBER SERVICES	31	CALC
6623		6623 CUSTOMER SERVICES	103	CALC

6620	6620 TOTAL SERVICES EXPENSES	147	CALC
-	700 TOTAL CUSTOMER OPERATIONS EXPENSE (6610 + 6620)	204	CALC
	CORPORATE OPERATIONS EXPENSES	A. EXPENSES	B. REVENUES
			C. EXP/REV (A/B)
6711	6711 EXECUTIVE	8	CALC
6712	6712 PLANNING	4	CALC
6710	6710 TOTAL EXECUTIVE & PLANNING	12	CALC
6721	6721 ACCOUNTING & FINANCE	23	CALC
6722	6722 EXTERNAL RELATIONS	14	CALC
6723	6723 HUMAN RESOURCES	17	CALC
6724	6724 INFORMATION MANAGEMENT	64	CALC
6725	6725 LEGAL	5	CALC
6726	6726 PROCUREMENT	3	CALC
6727	6727 RESEARCH & DEVELOPMENT	4	CALC
6728	6728 OTHER GENERAL & ADMINISTRATIVE	54	CALC
6720	6720 TOTAL GENERAL & ADMINISTRATIVE	185	CALC
	710 TOTAL CORPORATE OPERATIONS EXPENSE (6710 + 6720 + 6790)	243	CALC
	720 TOTAL OPERATING EXPENSES		CALC
	DEM - LOCAL	33,392	
	DEM - INTRASTATE	7,130	
	DEM - INTERSTATE	7,039	
	MESSAGES - INTRALATA	453	
	MESSAGES - INTERLATA - interstate	969	
	MESSAGES - INTERLATA - intrastate	455.870515	
4308 (EC)	LOCAL CALL ATTEMPTS	7,566	
	LINES - BUSINESS	735	
	RESIDENTIAL	1,991	
	PUBLIC	23	
	SPECIAL	182	
	TOTAL	2,935	
	5081 END USER		125
	5082 SWITCHED ACCESS		279
	5083 SPECIAL ACCESS		51
	TOTAL INTER ACCESS		455
	5084 END USER		
	5084 SWITCHED ACCESS		
	5084 SPECIAL ACCESS		
	STATE ACCESS		234
	TOTAL ACCESS REVENUES		689
	LD MESSAGE REVENUE		
	5100 INTERSTATE MESSAGE		
	5100 INTRASTATE MESSAGE		
	5100 INTERSTATE CALLING PLAN		
	5100 INTRASTATE CALLING PLAN		
	LD MSG REV (CLASS A)		197
	UNIDIRECTIONAL LD		
	5110 INTERSTATE		
	INTRASTATE		
	TOTAL		7
	5120 LD PRIVATE NETWORK		16
	OTHER LD		
	5160 INTERSTATE		
	INTRASTATE		
	TOTAL		3
	TOTAL LD NETWORK REVENUE		
	INTERSTATE		
	INTRASTATE		
	TOTAL		223
	BASIC LOCAL SERVICE		
	5001 BASIC AREA		606
	5002 OPTIONAL EXTEND AREA		19
	5003 CELLAR MOBIL		14
	5004 OTHER MOBIL SVC		1
	TOTAL BASIC SVC		640
	PUBLIC TELEPHONE REVENUE		
	5010 LOCAL PUBLIC MSG		
	UNIVERSAL		
	PB EXCHANGE IX CARRIER		
	CC COINLESS		
	PUBLIC EXH		

	SEMI-PUBLIC OTHER PUBLIC PHONE REV TOTAL PUBLIC PHONE REVENUE				18	
	5040 LOCAL PRIVATE LINE				21	
	CUSTOMER PREMISE 5050 STATION APP CUSTOMER PREMISE WIRING TOTAL CUSTOMER PREMISES				2	
	OTHER LOCAL EXCHANGE 5060 CO FEATURES INFO TRANSPORT DIRECTORY ASSIST INTERCEPT SRVC OTHER LOC EXCH TOTAL OTHER				149	
	TOTAL LOCAL NETWORK SRVC REVENUE INTERSTATE INTRASTATE				829.7972915	
	TOTAL REVENUE				1741.859788	
	CAPITAL STRUCTURE PARAMETERS					
	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO
	COST OF DEBT					
	COST OF EQUITY					
		BALANCE SHEET	ACCRUEL		DEPR LIFE	
		43-02, B-1	43-02, B-5		(ASSUMING	
		AVG=(ab+af)/2	(col 2C)		STRAIGHT LIFE)	
		A	B		C = (A/C)	
		-	-		-	
	ECONOMIC LIFE					
(2422,21,22,23,41)	FEEDER					
(2422,21,22,23,41)	DISTRIBUTION					
	2121 BUILDINGS					
	2232 DLC ELECTRONIC EQUIPMENT					
	2212 EO SWITCHING					
	2212 TANDEM SWITCHING					
	2220 OS POSITIONS					
	2220 OS TANDEM					
	2232 TRANSMISSION SYSTEMS					
	2351 PUBLIC TELEPHONE EQUIPMENT					
2122,2124	FURNITURE + GP COMPUTERS					
DATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCESum checksum checksum checksum checksum checksum checksum check						
ARMIS 4303	Jan 1996 to Dec 1996			28215	495	
ARMIS 4304	GEORGIA			9007 (EJ)	9010	
ARMIS 4308		0 (EJ)				
DEM				0		
=	=	=	=	=	=	
UNCOLL RATE:	BA Lrd Svc	4303.Ln 520				829.8174953
	LD Ntwk Svs Rev	4303.Ln 525				225.0200145
	End User	4303.Ln 5081				124.522893
	Sw Acc	4303.Ln 5082				278.7955487
	Spcl Acc	4303.Ln 5083				51.3053877
	St Acc	4303.Ln 5084				234.1834611
	Uncoll Rev	4303.Ln 5300				29.51345423
	Tot Acc	4304.Ln4040 (P)				2.446355114
	B&C	4304.Ln4040 (Q)				0.240273764
	IX	4304.Ln4040 (R)				0.008685731
	Ln4040 (P+Q+R)	Calc (P+Q+R)				2.695314609
Uncoll -Acc	5300-(4040p..r)	1a				26.81813962
End User+ Rievs	5081+520+525	1b				1179.360403
Uncoll Retail Rate		1c=(a/b)				0.022739563
Uncoll Wholesale rate	4040p/(5082..5084)	2a				0.004335323

Actuals for 1996 (\$000s)

	Investments	Expenses	Calculated Factor	
Plant-Specific Operations Expenses				
TPIS - General Support				
2111 Land	\$ 26	\$ -	-	
2112 Motor Vehicles	\$ 64	\$ 2	0.0348	
2113 Aircraft	\$ 3	\$ 1	0.3125	
2114 Special Purpose Vehicles	\$ 0	\$ 0	0.0142	
2115 Garage Work Equipment	\$ 2	\$ 0	0.0353	
2116 Other Work Equipment	\$ 50	\$ 1	0.0113	
2121 Buildings	\$ 371	\$ 41	0.1103	Land & Bldg Exp Applied to Bldgs
2122 Furniture	\$ 24	\$ 3	0.1224	
2123 Office Equipment	\$ 62	\$ 6	0.1015	
2124 General Purpose Computers	\$ 96	\$ 61	0.6381	
2110 Total Land & Support Assets	\$ 699	\$ 115	0.1650	
TPIS - Central Office Switching				
2211 Analog Electronic Switching	\$ 41	\$ 2	0.0453	
2212 Digital Electronic Switching	\$ 1,222	\$ 70	0.0569	4.75% NET CO Switch Factor
2210 Total Central Office Switching	\$ 1,263	\$ 71	0.0565	
2220 Operator Systems	\$ 19	\$ 1	0.0675	
TPIS - Central Office Transmission				
2231 Satellite & Earth Station Facilities				
2231 Other Radio Facilities				
2231 Radio Systems				
2232 Circuit Equipment	\$ 842	\$ 14	0.0163	1.53% alternative factor
2230 Total Central Office Transmission	\$ 842	\$ 14	0.0163	
TPIS - Information Orig/Term				
2311 Station Apparatus	\$ 1	\$ 0	0.3824	
2321 Customer Premises Wiring	\$ -	\$ -	0.0000	
2341 Large Private Branch Exchange	\$ 0	\$ 0	4.5000	
2351 Public Telephone Terminal Equipment	\$ 27	\$ 5	0.1881	
2362 Other Terminal Equipment	\$ 46	\$ 8	0.1763	
2310 Total Information Orig/Term	\$ 73	\$ 13	0.1824	
TPIS - Cable & Wire Facilities				
2411 Poles	\$ 145	\$ 6	0.0413	
2421 Aerial Cable	\$ 684	\$ 43	0.0629	0.0629
2422 Underground Cable	\$ 436	\$ 9	0.0196	0.0196
2423 Buried Cable	\$ 1,211	\$ 47	0.0389	0.0389
2424 Submarine Cable				Alternative fiber cable maintenance factors
2425 Deep Sea Cable				
2426 Intrabuilding Network Cable				
2431 Aerial Wire				
2441 Conduit Systems	\$ 247	\$ 1	0.0037	
2410 Total Cable & Wire Facilities	\$ 2,723	\$ 106	0.0388	
240 Total TPIS (before amortizable assets)	\$ 4,919	\$ 321	0.0652	
Plant Non-Specific Operations Expenses				
	Expenses	Investment	Factor	
6512 Provisioning Expenses	\$ 2	\$ 4,919	0.0003	
6531 Power Expenses	\$ 9	\$ 4,919	0.0019	8.10% all
6532 Network Administration	\$ 23	\$ 4,919	0.0048	20.47% switching, interoffice
6533 Testing	\$ 24	\$ 4,919	0.0050	21.22% all
6534 Plant Operations Administration	\$ 37	\$ 4,919	0.0074	31.89% all
6535 Engineering	\$ 19	\$ 4,919	0.0039	16.83% all
6540 Access Expense				
6530 Total Network Operations Expenses (includes provisioning)	\$ 115	\$ 4,919	0.0233	per line network operations
Network Support Factor Calculation				total lines (from net. invest. inputs)
	Expenses	Cable & Wire Inv	Factor	2,935
6112 Motor Vehicles	\$ 2			
6113 Aircraft	\$ 1			
6114 Special Purpose Vehicles	\$ 0			
6115 Garage Work Equipment	\$ 0			
6116 Other Work Equipment	\$ 1			
Aircraft & Special Purpose Vehicles	\$ 3	\$ 2,723	0.0011	annual net ops per line
				\$ 39.11

Customer Operations Expenses

	Expenses		Net Revenues		Factor		
6611 Product Management *	\$	16	\$	0.4638	\$	982	0.0166
6612 Sales *	\$	30	\$	0.8522	\$	982	0.0306
6613 Product Advertising	\$	11			\$	982	0.0110
6610 Total Marketing Expenses	\$	57					0.0582
6621 Call Completion Service	\$	13			\$	982	0.0131
6622 Number Services	\$	31	\$	0.8863	\$	982	0.0318
6623 Customer Services	\$	103	\$	2.9168	\$	982	0.1046
6620 Total Services Expenses	\$	147	\$	4.23			0.1495
Billing/bill inquiry (per line/month)	\$	2.30					
Directory listing (per line/month)		-					
700 Total Customer Operations Expenses	\$	203.98			\$	982	0.2078
							0.2442

Corporate Operations Expenses

Corporate Operations Expenses		Expenses	Revenues	Factor		
6711 Executive	\$	8	\$	982	0.0079	
6712 Planning	\$	4	\$	982	0.0039	
6710 Total Executive & Planning	\$	12	\$	982	0.0117	
6721 Accounting & Finance	\$	23	\$	982	0.0237	
6722 External Relations	\$	14	\$	982	0.0144	
6723 Human Resources	\$	17	\$	982	0.0171	
6724 Information Management	\$	64	\$	982	0.0653	
6725 Legal	\$	5	\$	982	0.0055	
6726 Procurement	\$	3	\$	982	0.0030	
6727 Research & Development	\$	4	\$	982	0.0038	
6728 Other General & Administrative	\$	54	\$	982	0.0554	
6720 Total General & Administrative	\$	185	\$	982	0.1880	
710 Total Corporate Operations Expense	\$	196	\$	982	0.1040	0.2347
720 Total Operating Expenses	\$	835				47.89% Total Operations General Support Allocator
note: does not include dep/amort						45.55% "Office Worker" General Support Allocator

Misc Expenses Calculation	2122 Furniture	2123 Office Equipment	2124 GP Computer	2112 Motor Vehicles	2121 Buildings	2115 Garage Work Equipment	2116 Other Work Equipment
Investment	\$ 24	\$ 62	\$ 96	\$ 64	\$ 186	\$ 2	\$ 50
Investment/TPIS	0.005	0.013	0.020	0.013	0.038	0.000	0.010
Expense	\$ 3	\$ 6	\$ 61	\$ 2	\$ 20	\$ 0	\$ 1
Expense Factor	0.122	0.101	0.638	0.035	0.110	0.035	0.011
Model TPIS	\$ 8,918	\$ 8,918	\$ 8,918	\$ 8,918	\$ 8,918	\$ 8,918	\$ 8,918
Calculated Investment	\$ 44	\$ 113	\$ 174	\$ 116	\$ 337	\$ 3	\$ 91
Calculated Expense	\$ 5	\$ 11	\$ 111	\$ 4	\$ 37	\$ 0	\$ 1
Subtotal (\$s)	\$ 75,228						
Total Misc Expense	\$ 75,228						

Other Taxes & Uncollectibles Calculation

	Expenses		Net Revenues		Factor
7230 Operating State & Local Income Tax	\$	18	\$	(95)	
7240 Operating Other Taxes	\$	78	\$	(95)	0.0500
5300 Uncollectible Revenues	\$	30	\$	982	0.0301
retail					0.0227
wholesale					0.0043
Ratio of Net Plant to TPIS					
TPIS	\$	4,919			
Net Plant	\$	4,919			
Ratio	\$	1			
Model Investment	\$	-			
Model % of Net Plant	\$	-			
Model % of TPIS		0%			

Actual 1996 Revenue

		% of total
Interstate Access		
5081 End User	\$ 125	8.26%
5082 Switched Access	\$ 279	18.49%
5083 Special Access	\$ 51	3.40%
Total Inter Access	\$ 455	30.15%
State Access Revenue		
5084 End User	\$ -	0.00%
5084 Switched Access	\$ -	0.00%
5084 Special Access	\$ -	0.00%
Total State Access	\$ -	0.00%
Total Access Revenue	\$ 455	30.15%
Long Distance Network Revenue		
5100 Interstate Message	\$ -	0.00%
5100 Intrastate Message	\$ -	0.00%
5100 Interstate Calling Plan	\$ -	0.00%
5100 Intrastate Calling Plan	\$ -	0.00%
Total LD Msg Revenue	\$ 197	13.08%
Unidirectional LD Revenue		
5110 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 7	0.48%
LD Private Network Revenue		
5120 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 16	1.08%
Other Long Distance Revenue		
5160 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 3	0.17%
Total Long Distance Network Rev		
Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 223	14.81%

Basic Local Service		
5001 Basic Area	\$ 606	40.21%
5002 Optional Extended Area	\$ 19	1.23%
5003 Cellular Mobile	\$ 14	0.95%
5004 Other Mobile Svcs	\$ 1	0.08%
Total Basic Local Service	\$ 640	42.47%
Public Telephone Revenue		
5010 Local Public Msgs	\$ -	0.00%
Universal Public Phone	\$ -	0.00%
Public Exchange - IX Carrier	\$ -	0.00%
Credit Card Coinless	\$ -	0.00%
Public Exchange - CPE	\$ -	0.00%
Semi-Public Msgs	\$ -	0.00%
Other Public Phone Revenue	\$ -	0.00%
Total Public Phone Revenue	\$ 18	1.18%
Local Private Line Revenue		
5040 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total Private Line	\$ 21	1.40%
Customer Premises Revenue		
5050 Station Apparatus	\$ -	0.00%
Customer Premises Wiring	\$ -	0.00%
Total Customer Premises	\$ 2	0.10%
Other Local Exchange Revenue		
5060 Central Office Features	\$ -	0.00%
Information Transport	\$ -	0.00%
Directory Assistance	\$ -	0.00%
Intercept Services	\$ -	0.00%
Other Loc Exchg	\$ -	0.00%
Total Other	\$ 149	9.89%
Total Local Network Service Revenue		
Interstate	\$ -	0.00%
Intrastate	\$ 830	55.04%
Total Revenue	\$ 1,508	100.00%

HAI Model Release 5.0a

Expense Module Release 5.0a

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Users making modifications to non-user adjustable inputs of
the HAI Model may not represent generated calculations as
those of the HAI Model.

Scenario Inputs

NOTE: This sheet displays all user adjustable inputs which vary from HM 5.0a default settings

Workfile Name: C:\Program Files\HM50\WORKFILES\HMWKMO4219451.XLS
Distribution Module Name: C:\Program Files\HM50\MODULES\R50a_distribution.xls
Feeder Module Name: C:\Program Files\HM50\MODULES\R50a_feeder.xls
Switching Module Name: C:\Program Files\HM50\MODULES\R50a_switching_io-Dt-HRInd-TransForm-Fiber-Sharing.xls
Expense Module Name: C:\Program Files\HM50\MODULES\R50a_expense_density.xls

Module/Table	Scenario Input	Scenario Value	Default Value
Switching	Use host - remote assignments	TRUE	FALSE

HAI Model Release 5.0a
User Adjustable Inputs

Distribution Input	Current Scenario Value	Default Scenario Value	Feeder Input	Current Scenario Value	Default Scenario Value
Distribution Cable Fill - 0	0.50	0.50	Copper Feeder Fill - 0	0.65	0.65
Distribution Cable Fill - 5	0.55	0.55	Copper Feeder Fill - 5	0.75	0.75
Distribution Cable Fill - 100	0.55	0.55	Copper Feeder Fill - 100	0.80	0.80
Distribution Cable Fill - 200	0.60	0.60	Copper Feeder Fill - 200	0.80	0.80
Distribution Cable Fill - 650	0.65	0.65	Copper Feeder Fill - 650	0.80	0.80
Distribution Cable Fill - 850	0.70	0.70	Copper Feeder Fill - 850	0.80	0.80
Distribution Cable Fill - 2550	0.75	0.75	Copper Feeder Fill - 2550	0.80	0.80
Distribution Cable Fill - 5000	0.75	0.75	Copper Feeder Fill - 5000	0.80	0.80
Distribution Cable Fill - 10000	0.75	0.75	Copper Feeder Fill - 10000	0.80	0.80
Buried Fraction - 0	0.95	0.95	Fiber Feeder Strand Fill - 0	1.00	1.00
Buried Fraction - 5	0.95	0.95	Fiber Feeder Strand Fill - 5	1.00	1.00
Buried Fraction - 100	0.95	0.95	Fiber Feeder Strand Fill - 100	1.00	1.00
Buried Fraction - 200	0.95	0.95	Fiber Feeder Strand Fill - 200	1.00	1.00
Buried Fraction - 650	0.95	0.95	Fiber Feeder Strand Fill - 650	1.00	1.00
Buried Fraction - 850	0.85	0.85	Fiber Feeder Strand Fill - 850	1.00	1.00
Buried Fraction - 2550	0.85	0.85	Fiber Feeder Strand Fill - 2550	1.00	1.00
Buried Fraction - 5000	0.86	0.86	Fiber Feeder Strand Fill - 5000	1.00	1.00
Buried Fraction - 10000	0.85	0.85	Fiber Feeder Strand Fill - 10000	1.00	1.00
Aerial Cable Fraction - 0	0.05	0.05	Copper Aerial Fraction - 0	0.05	0.05
Aerial Cable Fraction - 5	0.05	0.05	Copper Aerial Fraction - 5	0.05	0.05
Aerial Cable Fraction - 100	0.05	0.05	Copper Aerial Fraction - 100	0.05	0.05
Aerial Cable Fraction - 200	0.05	0.05	Copper Aerial Fraction - 200	0.05	0.05
Aerial Cable Fraction - 650	0.05	0.05	Copper Aerial Fraction - 650	0.05	0.05
Aerial Cable Fraction - 850	0.05	0.05	Copper Aerial Fraction - 850	0.05	0.05
Aerial Cable Fraction - 2550	0.05	0.05	Copper Aerial Fraction - 2550	0.05	0.05
Aerial Cable Fraction - 5000	0.05	0.05	Copper Aerial Fraction - 5000	0.05	0.05
Aerial Cable Fraction - 10000	0.05	0.05	Copper Aerial Fraction - 10000	0.05	0.05
Pole Spacing, feet - 0	250	250	Copper Buried Fraction - 0	0.95	0.95
Pole Spacing, feet - 5	250	250	Copper Buried Fraction - 5	0.95	0.95
Pole Spacing, feet - 100	200	200	Copper Buried Fraction - 100	0.95	0.95
Pole Spacing, feet - 200	200	200	Copper Buried Fraction - 200	0.95	0.95
Pole Spacing, feet - 650	175	175	Copper Buried Fraction - 650	0.95	0.95
Pole Spacing, feet - 850	175	175	Copper Buried Fraction - 850	0.85	0.85
Pole Spacing, feet - 2550	150	150	Copper Buried Fraction - 2550	0.01	0.01
Pole Spacing, feet - 5000	150	150	Copper Buried Fraction - 5000	0.85	0.85
Pole Spacing, feet - 10000	150	150	Copper Buried Fraction - 10000	0.85	0.85
Drop Distance, feet - 0	150	150	Copper Manhole Spacing, feet - 0	800	800
Drop Distance, feet - 5	150	150	Copper Manhole Spacing, feet - 5	800	800
Drop Distance, feet - 100	100	100	Copper Manhole Spacing, feet - 100	800	800
Drop Distance, feet - 200	100	100	Copper Manhole Spacing, feet - 200	800	800
Drop Distance, feet - 650	50	50	Copper Manhole Spacing, feet - 650	600	600
Drop Distance, feet - 850	50	50	Copper Manhole Spacing, feet - 850	600	600
Drop Distance, feet - 2550	50	50	Copper Manhole Spacing, feet - 2550	600	600
Drop Distance, feet - 5000	50	50	Copper Manhole Spacing, feet - 5000	400	400
Drop Distance, feet - 10000	50	50	Copper Manhole Spacing, feet - 10000	400	400
Aerial Drop Placement (total) - 0	23.33	23.33	Fiber Aerial Fraction - 0	0.05	0.05
Aerial Drop Placement (total) - 5	23.33	23.33	Fiber Aerial Fraction - 5	0.05	0.05
Aerial Drop Placement (total) - 100	17.50	17.50	Fiber Aerial Fraction - 100	0.05	0.05
Aerial Drop Placement (total) - 200	17.50	17.50	Fiber Aerial Fraction - 200	0.05	0.05
Aerial Drop Placement (total) - 650	11.67	11.67	Fiber Aerial Fraction - 650	0.05	0.05
Aerial Drop Placement (total) - 850	11.67	11.67	Fiber Aerial Fraction - 850	0.00	0.00
Aerial Drop Placement (total) - 2550	11.67	11.67	Fiber Aerial Fraction - 2550	0.05	0.05

HAI Model Release 5.0a

User Adjustable Inputs

Distribution Input	Current Scenario Value	Default Scenario Value	Feeder Input	Current Scenario Value	Default Scenario Value
Aerial Drop Placement (total) - 5000	11.67	11.67	Fiber Aerial Fraction - 5000	0.05	0.05
Aerial Drop Placement (total) - 10000	11.67	11.67	Fiber Aerial Fraction - 10000	0.05	0.05
Buried Drop Placement (total) - 0	0.60	0.60	Fiber Buried Fraction - 0	0.95	0.95
Buried Drop Placement (total) - 5	0.60	0.60	Fiber Buried Fraction - 5	0.95	0.95
Buried Drop Placement (total) - 100	0.60	0.60	Fiber Buried Fraction - 100	0.95	0.95
Buried Drop Placement (total) - 200	0.60	0.60	Fiber Buried Fraction - 200	0.95	0.95
Buried Drop Placement (total) - 650	0.60	0.60	Fiber Buried Fraction - 650	0.95	0.95
Buried Drop Placement (total) - 850	0.60	0.60	Fiber Buried Fraction - 850	0.01	0.01
Buried Drop Placement (total) - 2550	0.75	0.75	Fiber Buried Fraction - 2550	0.85	0.85
Buried Drop Placement (total) - 5000	1.50	1.50	Fiber Buried Fraction - 5000	0.85	0.85
Buried Drop Placement (total) - 10000	5.00	5.00	Fiber Buried Fraction - 10000	0.85	0.85
Buried Drop Sharing Fraction - 0	1.00	1.00	Fiber Pullbox Spacing, feet - 0	2,000.00	2,000.00
Buried Drop Sharing Fraction - 5	1.00	1.00	Fiber Pullbox Spacing, feet - 5	2,000.00	2,000.00
Buried Drop Sharing Fraction - 100	1.00	1.00	Fiber Pullbox Spacing, feet - 100	2,000.00	2,000.00
Buried Drop Sharing Fraction - 200	1.00	1.00	Fiber Pullbox Spacing, feet - 200	2,000.00	2,000.00
Buried Drop Sharing Fraction - 650	1.00	1.00	Fiber Pullbox Spacing, feet - 650	2,000.00	2,000.00
Buried Drop Sharing Fraction - 850	1.00	1.00	Fiber Pullbox Spacing, feet - 850	2,000.00	2,000.00
Buried Drop Sharing Fraction - 2550	1.00	1.00	Fiber Pullbox Spacing, feet - 2550	2,000.00	2,000.00
Buried Drop Sharing Fraction - 5000	1.00	1.00	Fiber Pullbox Spacing, feet - 5000	2,000.00	2,000.00
Buried Drop Sharing Fraction - 10000	1.00	1.00	Fiber Pullbox Spacing, feet - 10000	2,000.00	2,000.00
Buried Drop Fraction - 0	0.95	0.95	Fiber Feeder Investment per foot - 216	13.10	13.10
Buried Drop Fraction - 5	0.95	0.95	Fiber Feeder Investment per foot - 144	9.50	9.50
Buried Drop Fraction - 100	0.95	0.95	Fiber Feeder Investment per foot - 96	7.10	7.10
Buried Drop Fraction - 200	0.95	0.95	Fiber Feeder Investment per foot - 72	5.90	5.90
Buried Drop Fraction - 650	0.95	0.95	Fiber Feeder Investment per foot - 60	5.30	5.30
Buried Drop Fraction - 850	0.95	0.95	Fiber Feeder Investment per foot - 48	4.70	4.70
Buried Drop Fraction - 2550	0.95	0.95	Fiber Feeder Investment per foot - 36	4.10	4.10
Buried Drop Fraction - 5000	0.95	0.95	Fiber Feeder Investment per foot - 24	3.50	3.50
Buried Drop Fraction - 10000	0.95	0.95	Fiber Feeder Investment per foot - 18	3.20	3.20
Pole Investment	201.00	201.00	Fiber Feeder Investment per foot - 12	2.90	2.90
Pole Labor	216.00	216.00	Copper Feeder Investment per foot - 4200	29.00	29.00
Buried Cable Jacketing Multiplier	1.04	1.04	Copper Feeder Investment per foot - 3600	26.00	26.00
Conduit Investment per foot	0.60	0.60	Copper Feeder Investment per foot - 3000	23.00	23.00
Spare Tubes per route	1.00	1.00	Copper Feeder Investment per foot - 2400	20.00	20.00
Regional Labor Adjustment Factor (see Labor Inputs)	1.00	1.00	Copper Feeder Investment per foot - 1800	16.00	16.00
Residential NID case, no protector	10.00	10.00	Copper Feeder Investment per foot - 1200	12.00	12.00
Residential NID basic labor	15.00	15.00	Copper Feeder Investment per foot - 900	10.00	10.00
spare	-	-	Copper Feeder Investment per foot - 600	7.75	7.75
Residential Protection Block, per pair	4.00	4.00	Copper Feeder Investment per foot - 400	6.00	6.00
Business NID case, no protector	25.00	25.00	Copper Feeder Investment per foot - 200	4.25	4.25
Business NID basic labor	15.00	15.00	Copper Feeder Investment per foot - 100	2.50	2.50
Business Protection Block, per pair	4.00	4.00	Buried Copper Cable Sheath Multiplier	1.04	1.04
Average Lines per business location	4.00	4.00	Buried Fiber Sheath Addition per foot	0.20	0.20
Terminal and Splice per line, buried	42.50	42.50	Pole Materials	201.00	201.00
Terminal and Splice per line, aerial	32.00	32.00	Pole Labor	216.00	216.00
Drop cable investment per foot buried	0.14	0.14	Conduit Material Investment per foot	0.60	0.60
Drop cable buried pairs	3.00	3.00	Inner Duct Investment per foot	0.30	0.30
Drop cable investment per foot aerial	0.095	0.095	Spare Tubes per section	1.00	1.00
Drop cable aerial pairs	2.00	2.00	Regional Labor Adjustment Factor (see Labor	1.00	1.00
DS-0 fraction	1.00	1.00	Pole Spacing, feet - 0	250.00	250.00
DS-1 fraction	-	-	Pole Spacing, feet - 5	250.00	250.00
DS-0 pair equivalent	1.00	1.00	Pole Spacing, feet - 100	200.00	200.00

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User Adjustable Inputs

Distribution Input	Current Scenario Value	Default Scenario Value	Feeder Input	Current Scenario Value	Default Scenario Value
DS-1 pair equivalent	2.00	2.00	Pole Spacing, feet - 200	200.00	200.00
DS-3 pair equivalent	56.00	56.00	Pole Spacing, feet - 650	175.00	175.00
Indoor NID case	5.00	5.00	Pole Spacing, feet - 850	175.00	175.00
Buried fraction available for shift - 0	-	-	Pole Spacing, feet - 2550	150.00	150.00
Buried fraction available for shift - 5	-	-	Pole Spacing, feet - 5000	150.00	150.00
Buried fraction available for shift - 100	-	-	Pole Spacing, feet - 10000	150.00	150.00
Buried fraction available for shift - 200	-	-	Buried fraction available for shift - 0	-	-
Buried fraction available for shift - 650	-	-	Buried fraction available for shift - 5	-	-
Buried fraction available for shift - 850	-	-	Buried fraction available for shift - 100	-	-
Buried fraction available for shift - 2550	-	-	Buried fraction available for shift - 200	-	-
Buried fraction available for shift - 5000	-	-	Buried fraction available for shift - 650	-	-
Buried fraction available for shift - 10000	-	-	Buried fraction available for shift - 850	-	-
Wireless Investment Cap Enabled	FALSE	FALSE	Buried fraction available for shift - 2550	-	-
Wireless Point to Point Inv cap - distribution, per line	7,500.00	7,500.00	Buried fraction available for shift - 5000	-	-
Wireless Common inv, broadcast	112,500.00	112,500.00	Buried fraction available for shift - 10000	-	-
Wireless per line inv, broadcast	500.00	500.00	Fiber investment/strand - foot	0.1000	0.10
Maximum broadcast lines for common inv	30.00	30.00	Copper investment/pair - foot	0.0075	0.01
High Density DLC Site and Power	3,000.00	3,000.00	Copper Manhole Materials - 0	1865	1,865.00
High Density DLC Maximum Lines/Increment	672.00	672.00	Copper Manhole Materials - 5	1865	1,865.00
High Density DLC RT Fill Factor	0.90	0.90	Copper Manhole Materials - 100	1865	1,865.00
High Density DLC Basic Common Eqpt Invest + initial lines	66,000.00	66,000.00	Copper Manhole Materials - 200	1865	1,865.00
High Density DLC POTS Channel Unit Investment	310.00	310.00	Copper Manhole Materials - 650	1865	1,865.00
High Density DLC POTS Lines per CU	4.00	4.00	Copper Manhole Materials - 850	1865	1,865.00
High Density DLC Coin Channel Unit Investment	250.00	250.00	Copper Manhole Materials - 2550	1865	1,865.00
High Density DLC Coin Lines per CU	2.00	2.00	Copper Manhole Materials - 5000	1865	1,865.00
High Density DLC 303/LD crossover, lines	480.00	480.00	Copper Manhole Materials - 10000	1865	1,865.00
High Density DLC Fibers per RT	4.00	4.00	Copper Manhole Frame and Cover - 0	350.00	350.00
High Density DLC Optical Patch Panel	1,000.00	1,000.00	Copper Manhole Frame and Cover - 5	350.00	350.00
High Density DLC Copper Feeder Max Distance, ft	9,000.00	9,000.00	Copper Manhole Frame and Cover - 100	350.00	350.00
High Density DLC Common Eqpt Invest per additional 672 lines	18,500.00	18,500.00	Copper Manhole Frame and Cover - 200	350.00	350.00
High Density DLC Maximum Number of additional line modules/R	2.00	2.00	Copper Manhole Frame and Cover - 650	350.00	350.00
Low Density DLC Site and Power	1,300	1,300	Copper Manhole Frame and Cover - 850	350.00	350.00
Low Density DLC Maximum Lines/Increment	120.00	120.00	Copper Manhole Frame and Cover - 2550	350.00	350.00
Low Density DLC RT Fill Factor	0.90	0.90	Copper Manhole Frame and Cover - 5000	350.00	350.00
Low Density DLC Basic Common Eqpt Invest + initial lines	16,000.00	16,000.00	Copper Manhole Frame and Cover - 10000	350.00	350.00
Low Density DLC POTS Channel Unit Investment	600.00	600.00	Copper Manhole Site Delivery - 0	125.00	125.00
Low Density DLC POTS Lines per CU	6.00	6.00	Copper Manhole Site Delivery - 5	125.00	125.00
Low Density DLC Coin Channel Unit Investment	600.00	600.00	Copper Manhole Site Delivery - 100	125.00	125.00
Low Density DLC Coin Lines per CU	6.00	6.00	Copper Manhole Site Delivery - 200	125.00	125.00
Low Density DLC Fibers per RT	4.00	4.00	Copper Manhole Site Delivery - 650	125.00	125.00
Low Density DLC Optical Patch Panel	1,000.00	1,000.00	Copper Manhole Site Delivery - 850	125.00	125.00
Low Density DLC Common Eqpt Invest per additional 96 lines	9,400.00	9,400.00	Copper Manhole Site Delivery - 2550	125.00	125.00
Low Density DLC Maximum Number of additional line modules/R	1.00	1.00	Copper Manhole Site Delivery - 5000	125.00	125.00
Distribution Cable Size 1	2,400.00	2,400.00	Copper Manhole Site Delivery - 10000	125.00	125.00
Distribution Cable Size 2	1,800.00	1,800.00	Copper Manhole Excavate and Backfill - 0	2,800	2,800
Distribution Cable Size 3	1,200.00	1,200.00	Copper Manhole Excavate and Backfill - 5	2,800	2,800
Distribution Cable Size 4	900.00	900.00	Copper Manhole Excavate and Backfill - 100	2,800	2,800
Distribution Cable Size 5	600.00	600.00	Copper Manhole Excavate and Backfill - 200	2,800	2,800
Distribution Cable Size 6	400.00	400.00	Copper Manhole Excavate and Backfill - 650	3,200	3,200
Distribution Cable Size 7	200.00	200.00	Copper Manhole Excavate and Backfill - 850	3,500	3,500
Distribution Cable Size 8	100.00	100.00	Copper Manhole Excavate and Backfill - 2550	3,500	3,500
Distribution Cable Size 9	50.00	50.00	Copper Manhole Excavate and Backfill - 5000	5,000	5,000

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User Adjustable Inputs

Distribution Input	Current Scenario Value	Default Scenario Value	Feeder Input	Current Scenario Value	Default Scenario Value
Distribution Cable Size 10	25.00	25.00	Copper Manhole Excavate and Backfill - 1000	5,000	5,000
Distribution Cable Size 11	12.00	12.00	Fiber Pullbox Materials - 0	280.00	280.00
Distribution Cable Size 12	6.00	6.00	Fiber Pullbox Materials - 5	280.00	280.00
Distribution Cable Investment per foot 1	20.00	20.00	Fiber Pullbox Materials - 100	280.00	280.00
Distribution Cable Investment per foot 2	16.00	16.00	Fiber Pullbox Materials - 200	280.00	280.00
Distribution Cable Investment per foot 3	12.00	12.00	Fiber Pullbox Materials - 650	280.00	280.00
Distribution Cable Investment per foot 4	10.00	10.00	Fiber Pullbox Materials - 850	280.00	280.00
Distribution Cable Investment per foot 5	7.75	7.75	Fiber Pullbox Materials - 2550	280.00	280.00
Distribution Cable Investment per foot 6	6.00	6.00	Fiber Pullbox Materials - 5000	280.00	280.00
Distribution Cable Investment per foot 7	4.25	4.25	Fiber Pullbox Materials - 10000	280.00	280.00
Distribution Cable Investment per foot 8	2.50	2.50	Fiber Pullbox Installation - 0	220.00	220.00
Distribution Cable Investment per foot 9	1.63	1.63	Fiber Pullbox Installation - 5	220.00	220.00
Distribution Cable Investment per foot 10	1.19	1.19	Fiber Pullbox Installation - 100	220.00	220.00
Distribution Cable Investment per foot 11	0.76	0.76	Fiber Pullbox Installation - 200	220.00	220.00
Distribution Cable Investment per foot 12	0.63	0.63	Fiber Pullbox Installation - 650	220.00	220.00
Distribution Riser Cable Size 1	2,400.00	2,400.00	Fiber Pullbox Installation - 850	220.00	220.00
Distribution Riser Cable Size 2	1,800.00	1,800.00	Fiber Pullbox Installation - 2550	220.00	220.00
Distribution Riser Cable Size 3	1,200.00	1,200.00	Fiber Pullbox Installation - 5000	220.00	220.00
Distribution Riser Cable Size 4	900.00	900.00	Fiber Pullbox Installation - 10000	220.00	220.00
Distribution Riser Cable Size 5	600.00	600.00	Dewatering factor manhole excavation (additi	0.20	0.20
Distribution Riser Cable Size 6	400.00	400.00	Water table depth for dewatering, ft	5.00	5.00
Distribution Riser Cable Size 7	200.00	200.00			
Distribution Riser Cable Size 8	100.00	100.00			
Distribution Riser Cable Size 9	50.00	50.00			
Distribution Riser Cable Size 10	25.00	25.00			
Distribution Riser Cable Size 11	12.00	12.00			
Distribution Riser Cable Size 12	6.00	6.00			
Distribution Riser Cable Investment per foot 1	25.00	25.00			
Distribution Riser Cable Investment per foot 2	20.00	20.00			
Distribution Riser Cable Investment per foot 3	15.00	15.00			
Distribution Riser Cable Investment per foot 4	12.50	12.50			
Distribution Riser Cable Investment per foot 5	10.00	10.00			
Distribution Riser Cable Investment per foot 6	7.50	7.50			
Distribution Riser Cable Investment per foot 7	5.30	5.30			
Distribution Riser Cable Investment per foot 8	3.15	3.15			
Distribution Riser Cable Investment per foot 9	2.05	2.05			
Distribution Riser Cable Investment per foot 10	1.50	1.50			
Distribution Riser Cable Investment per foot 11	0.95	0.95			
Distribution Riser Cable Investment per foot 12	0.80	0.80			
Distance Multiplier for difficult terrain	1.00	1.00			
Rock Depth Threshold, inches	24.00	24.00			
Hard Rock Placement Multiplier	3.50	3.50			
Soft Rock Placement Multiplier	2.00	2.00			
Sidewalk/Street Fraction	0.20	0.20			
Local RT - Maximum Total Distance	18,000.00	18,000.00			
SAI Cable Size 1	7,200.00	7,200.00			
SAI Cable Size 2	5,400.00	5,400.00			
SAI Cable Size 3	3,600.00	3,600.00			
SAI Cable Size 4	2,400.00	2,400.00			
SAI Cable Size 5	1,800	1,800			
SAI Cable Size 6	1,200	1,200			
SAI Cable Size 7	900	900			

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User Adjustable Inputs

Distribution Input	Current Scenario Value	Default Scenario Value	Feeder Input	Current Scenario Value	Default Scenario Value
SAI Cable Size 8	600	600			
SAI Cable Size 9	400	400			
SAI Cable Size 10	200	200			
SAI Cable Size 11	100	100			
SAI Cable Size 12	50	50			
SAI Indoor Investment 1	9,656	9,656			
SAI Indoor Investment 2	7,392	7,392			
SAI Indoor Investment 3	4,928	4,928			
SAI Indoor Investment 4	3,352	3,352			
SAI Indoor Investment 5	2,464.00	2,464.00			
SAI Indoor Investment 6	1,776.00	1,776.00			
SAI Indoor Investment 7	1,232.00	1,232.00			
SAI Indoor Investment 8	888.00	888.00			
SAI Indoor Investment 9	592.00	592.00			
SAI Indoor Investment 10	296.00	296.00			
SAI Indoor Investment 11	148.00	148.00			
SAI Indoor Investment 12	98.00	98.00			
SAI Outdoor Investment 1	10,000.00	10,000.00			
SAI Outdoor Investment 2	8,200.00	8,200.00			
SAI Outdoor Investment 3	6,000.00	6,000.00			
SAI Outdoor Investment 4	4,300.00	4,300.00			
SAI Outdoor Investment 5	3,400.00	3,400.00			
SAI Outdoor Investment 6	2,400.00	2,400.00			
SAI Outdoor Investment 7	1,900.00	1,900.00			
SAI Outdoor Investment 8	1,400.00	1,400.00			
SAI Outdoor Investment 9	1,000.00	1,000.00			
SAI Outdoor Investment 10	600.00	600.00			
SAI Outdoor Investment 11	350.00	350.00			
SAI Outdoor Investment 12	250.00	250.00			
Repeater Investment, installed	527.00	527.00			
Integrated COT, installed	420.00	420.00			
Remote Multiplexer Common Equip Inv, installed	8,200.00	8,200.00			
Channel Unit Investment, per subscriber	125.00	125.00			
COT investment per RT, installed	1,170.00	1,170.00			
Remote Terminal fill factor	0.90	0.90			
Maximum T1s per cable	8.00	8.00			
T1 repeater spacing, dB	32.00	32.00			
Aerial T1 attenuation, dB/kft	6.30	6.30			
Buried T1 attenuation, dB/kft	5.00	5.00			
Feeder steering enable	FALSE	FALSE			
Main feeder route/air multiplier	1	1			
Rectangular cluster switch	FALSE	FALSE			

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User Adjustable Inputs

Switching Input	Current Scenario Value	Default Scenario Value	Expense Input	Current Scenario Value	Default Scenario Value
Constant EO Switching Investment Term, small ICO	520.14	520.14	Cost of Debt	0.088	0.088
Constant EO Switching Investment Term, BOC and large ICO	242.73	242.73	Debt Fraction	0.442	0.442
Switch Capacity Real-Time (BHCA) - 1	10,000	10,000	Cost of Equity	0.132	0.132
Switch Capacity Real-Time (BHCA) - 2	50,000	50,000	Average Trunk Utilization	0.300	0.300
Switch Capacity Real-Time (BHCA) - 3	200,000	200,000	Tax Rate	0.393	0.393
Switch Capacity Real-Time (BHCA) - 4	600,000	600,000	Corporate Overhead Factor	0.104	0.104
Switch Capacity Traffic (BHCCS) - 1	30,000	30,000	Other Taxes Factor	0.050	0.050
Switch Capacity Traffic (BHCCS) - 2	150,000	150,000	Billing/Bill Inquiry per line per month	2.300	2.300
Switch Capacity Traffic (BHCCS) - 3	600,000	600,000	Directory Listing per line per month	-	-
Switch Capacity Traffic (BHCCS) - 4	1,800,000	1,800,000	Forward-looking Network Operations Factor	1.000	1.000
Initial Switch Maximum Equipped Line Size	80,000	80,000	Alternative CO Switching Factor	0.048	0.048
Switch Port Administrative Fill	0.94	0.94	Alternative Circuit Equipment Factor	0.015	0.015
Switch Maximim Processor Occupancy	0.90	0.90	EO Traffic Sensitive Fraction	0.700	0.700
Processor Feature Loading Multiplier - normal	1.20	1.20	Monthly LNP cost, per line	0.250	0.250
Processor Feature Loading Multiplier - heavy business	2.00	2.00	Carrier to Carrier Customer Service, per line per ye	1.69	1.69
Processor Feature Loading Multiplier - business penetration threshold	0.30	0.30	NID Expense per line per year	1.00	1.00
MDF/Protector Investment per line	-	-	DS-0/DS-1 Terminal Factor	12.4	12.4
Analog Line Circuit Offset for DLC lines, per line	-	-	DS-1/DS-3 Terminal Factor	9.9	9.9
Switch Installation Multiplier	1.00	1.00	Average Lines per Business Location	4	4
Operator Traffic Fraction	0.02	0.02	Distribution Aerial Shring Fraction - 0	1.00	1.00
Total Interoffice Traffic Fraction	0.40	0.40	Distribution Aerial Shring Fraction - 5	1.00	1.00
Maximum Trunk Occupancy, CCS	27.50	27.50	Distribution Aerial Shring Fraction - 100	1.00	1.00
Trunk Port, per end	100.00	100.00	Distribution Aerial Shring Fraction - 200	0.50	0.50
Entrance Facility Distance, miles	0.50	0.50	Distribution Aerial Shring Fraction - 650	0.50	0.50
Direct-routed Fraction of Local Interoffice	0.98	0.98	Distribution Aerial Shring Fraction - 850	0.50	0.50
POPs per Tandem Location	5.00	5.00	Distribution Aerial Shring Fraction - 2550	0.50	0.50
Tandem-routed Fraction of Total IntraLATA Traffic	1.00	1.00	Distribution Aerial Shring Fraction - 5000	0.50	0.50
Tandem-routed Fraction of Total InterLATA Traffic	1.00	1.00	Distribution Aerial Shring Fraction - 10000	0.50	0.50
Local Call Attempts	7,566	7,566	Distribution Buried Shring Fraction - 0	1.00	1.00
Call Completion Factor	0.70	0.70	Distribution Buried Shring Fraction - 5	1.00	1.00
IntraLATA Calls Completed	452	452	Distribution Buried Shring Fraction - 100	1.00	1.00
InterLATA intrastate Calls Completed	455	455	Distribution Buried Shring Fraction - 200	1.00	1.00
InterLATA interstate Calls Completed	969	969	Distribution Buried Shring Fraction - 650	1.00	1.00
Local DEMs, thousands	33,391	33,391	Distribution Buried Shring Fraction - 850	1.00	1.00
Intrastate DEMs, thousands	7,129	7,129	Distribution Buried Shring Fraction - 2550	1.00	1.00
Interstate DEMs, thousands	7,039	7,039	Distribution Buried Shring Fraction - 5000	1.00	1.00
Local Business/Residence DEMs	1.10	1.10	Distribution Buried Shring Fraction - 10000	1.00	1.00
Intrastate Business/Residence DEMs	2.00	2.00	Distribution Underground Shring Fraction - 0	1.00	1.00
Interstate Business/Residence DEMs	3.00	3.00	Distribution Underground Shring Fraction - 5	1.00	1.00
BH Fraction of Daily Usage	0.10	0.10	Distribution Underground Shring Fraction - 100	1.00	1.00
Annual to Daily Usage Reduction Factor	270.00	270.00	Distribution Underground Shring Fraction - 200	1.00	1.00
Residential Holding Time Multiplier	1.00	1.00	Distribution Underground Shring Fraction - 650	1.00	1.00
Business Holding Time Multiplier	1.00	1.00	Distribution Underground Shring Fraction - 850	1.00	1.00
Residential Call Attempts per BH	1.30	1.30	Distribution Underground Shring Fraction - 2550	1.00	1.00
Business Call Attempts per BH	3.50	3.50	Distribution Underground Shring Fraction - 5000	1.00	1.00
ICO STP Investment, per line (equipment)	5.50	5.50	Distribution Underground Shring Fraction - 10000	1.00	1.00
ICO Local Tandem Investment, per line	1.90	1.90	Feeder Aerial Shring Fraction - 0	1.00	1.00
ICO OS Tandem Investment, per line	0.80	0.80	Feeder Aerial Shring Fraction - 5	1.00	1.00
ICO SCP Investment per line (equipment)	2.50	2.50	Feeder Aerial Shring Fraction - 100	1.00	1.00
ICO SCP - STP per line (wirecenter)	0.40	0.40	Feeder Aerial Shring Fraction - 200	0.50	0.50
ICO Local Tandem Investment, per line (wirecenter)	2.50	2.50	Feeder Aerial Shring Fraction - 650	0.50	0.50
ICO OS Tandem Investment, per line (wirecenter)	1.00	1.00	Feeder Aerial Shring Fraction - 850	0.50	0.50

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User Adjustable Inputs

Switching Input	Current Scenario Value	Default Scenario Value	Expense Input	Current Scenario Value	Default Scenario Value
ICO Tandem A Links and C Links per line (wirecenter)	0.30	0.30	Feeder Aerial Shring Fraction - 2550	0.50	0.50
Real-time Limit, BHCA	750,000	750,000	Feeder Aerial Shring Fraction - 5000	0.50	0.50
Port Limit, trunks	100,000	100,000	Feeder Aerial Shring Fraction - 10000	0.50	0.50
Common Equipment Investment	1,000,000	1,000,000	Feeder Underground Shring Fraction - 0	1.00	1.00
Maximum Port Fill	0.90	0.90	Feeder Underground Shring Fraction - 5	1.00	1.00
Maximum Real-time Occupancy	0.90	0.90	Feeder Underground Shring Fraction - 100	1.00	1.00
Common Equipment Intercept Factor	0.50	0.50	Feeder Underground Shring Fraction - 200	1.00	1.00
STP Link Capacity	720	720	Feeder Underground Shring Fraction - 650	1.00	1.00
STP Maximum Link Fill	0.80	0.80	Feeder Underground Shring Fraction - 850	1.00	1.00
Maximum STP Investment, per pair	5,000,000	5,000,000	Feeder Underground Shring Fraction - 2550	1.00	1.00
Minimum STP Investment, per pair	1,000,000	1,000,000	Feeder Underground Shring Fraction - 5000	1.00	1.00
Link Termination, both ends	900	900	Feeder Underground Shring Fraction - 10000	1.00	1.00
Signaling Link Bit Rate	56,000	56,000	Feeder Buried Shring Fraction - 0	1.00	1.00
Link Occupancy	0.40	0.40	Feeder Buried Shring Fraction - 5	1.00	1.00
C Link Cross Section	24.00	24.00	Feeder Buried Shring Fraction - 100	1.00	1.00
ISUP Messages per Interoffice BHCA	6.00	6.00	Feeder Buried Shring Fraction - 200	1.00	1.00
ISUP Message Length, bytes	25.00	25.00	Feeder Buried Shring Fraction - 650	1.00	1.00
TCAP Messages per transaction	2.00	2.00	Feeder Buried Shring Fraction - 850	1.00	1.00
TCAP Message length, bytes	100.00	100.00	Feeder Buried Shring Fraction - 2550	1.00	1.00
Fraction of BHCA requiring TCAP	0.10	0.10	Feeder Buried Shring Fraction - 5000	1.00	1.00
SCP Investment/Transaction/Second	20,000	20,000	Feeder Buried Shring Fraction - 10000	1.00	1.00
Operator Investment per position	6,400	6,400	Motor Vehicles - Economic Life	9.28	9.28
Operator Maximum Utilization, per position, CCS	32	32	Garage Work Equipment - Economic Life	11.04	11.04
Operator Intervention Factor	10	10	Other Work Equipment - Economic Life	13.47	13.47
Public Telephone Investment, per station	760	760	Buildings - Economic Life	47.82	47.82
Lot Size, Multiplier of Switch Room Size	2	2	Furniture - Economic Life	17.10	17.10
Tandem/EO Wire Center Common Factor	0.40	0.40	Office Support Equipment - Economic Life	11.58	11.58
Power Investment 1	-	-	Company Comm. Equipment - Economic Life	7.69	7.69
Power Investment 2	-	-	General Purpose Computer - Economic Life	6.36	6.36
Power Investment 3	-	-	Digital Electronic Switching - Economic Life	16.66	16.66
Power Investment 4	-	-	Operator Systems - Economic Life	9.33	9.33
Power Investment 5	-	-	Digital Circuit Equipment - Economic Life	10.07	10.07
Switch Room Size, sq ft 1	500	500	Public Telephone Terminal Equipment - Economic	8.26	8.26
Switch Room Size, sq ft 2	1,000	1,000	Poles - Economic Life	15.92	15.92
Switch Room Size, sq ft 3	2,000	2,000	Aerial Cable - metallic - Economic Life	16.75	16.75
Switch Room Size, sq ft 4	5,000	5,000	Aerial Cable - non metallic - Economic Life	22.24	22.24
Switch Room Size, sq ft 5	10,000	10,000	Underground Cable - metallic - Economic Life	21.14	21.14
Construction Investment, sq ft 1	75.00	75.00	Underground Cable - non metallic - Economic Life	23.08	23.08
Construction Investment, sq ft 2	85.00	85.00	Buried - metallic - Economic Life	19.90	19.90
Construction Investment, sq ft 3	100.00	100.00	Buried - non metallic - Economic Life	23.86	23.86
Construction Investment, sq ft 4	125.00	125.00	Intrabuilding Cable - metallic - Economic Life	15.71	15.71
Construction Investment, sq ft 5	150.00	150.00	Intrabuilding Cable - non metallic - Economic Life	23.62	23.62
Land Investment, sq ft 1	5	5	Conduit Systems - Economic Life	50.92	50.92
Land Investment, sq ft 2	8	8	Motor Vehicles - Net Salvage %	0.1121	0.1121
Land Investment, sq ft 3	10	10	Garage Work Equipment - Net Salvage %	-0.1071	-0.1071
Land Investment, sq ft 4	15	15	Other Work Equipment - Net Salvage %	0.0321	0.0321
Land Investment, sq ft 5	20	20	Buildings - Net Salvage %	0.0187	0.0187
OC-48 ADM, installed, 48 DS-3s	50,000	50,000	Furniture - Net Salvage %	0.0688	0.0688
OC-48 ADM, installed, 12 DS-3s	40,000	40,000	Office Support Equipment - Net Salvage %	0.0691	0.0691
OC-3/DS-1 Terminal Multiplexer, installed, 84 DS-1s	26,000	26,000	Company Comm. Equipment - Net Salvage %	0.0376	0.0376
Investment per 7 DS-1s	500	500	General Purpose Computer - Net Salvage %	0.0373	0.0373
Number of Fibers	24	24	Digital Electronic Switching - Net Salvage %	0.0297	0.0297

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User Adjustable Inputs

Switching Input	Current Scenario Value	Default Scenario Value	Expense Input	Current Scenario Value	Default Scenario Value
Pigtrails, per strand	60	60	Operator Systems - Net Salvage %	-0.0082	-0.0082
Optical Distribution Panel	1,000	1,000	Digital Circuit Equipment - Net Salvage %	-0.0169	-0.0169
EF&I, per hour	55	55	Public Telephone Terminal Equipment - Net Salvage %	0.0797	0.0797
EF&I hours	32	32	Poles - Net Salvage %	-0.8998	-0.8998
Regional Labor Adjustment Factor (see Labor Inputs)	1	1	Aerial Cable - metallic - Net Salvage %	-0.2303	-0.2303
Channel Bank Investment, per 24 lines	5,000	5,000	Aerial Cable - non metallic - Net Salvage %	-0.1753	-0.1753
Fraction of SA Lines Requiring Multiplexing	-	-	Underground Cable - metallic - Net Salvage %	-0.1826	-0.1826
Regenerator, installed	15,000	15,000	Underground Cable - non metallic - Net Salvage %	-0.1458	-0.1458
Regenerator spacing, miles	40	40	Buried - metallic - Net Salvage %	-0.0839	-0.0839
DCS installed, per DS-3	30,000	30,000	Buried - non metallic - Net Salvage %	-0.0858	-0.0858
Transmission Terminal Fill (DS-0 level)	0.90	0.90	Intrabuilding Cable - metallic - Net Salvage %	-0.1574	-0.1574
Fiber Investment, fiber cable	3.50	3.50	Intrabuilding Cable - non metallic - Net Salvage %	-0.1052	-0.1052
Fiber, number of strands per ADM	4.00	4.00	Conduit Systems - Net Salvage %	-0.1034	-0.1034
Fiber Investment, buried fraction	0.95	0.95	Furniture - Capital Costs - % assigned per line	0.0000	0.0000
Fiber Investment, buried placement	1.77	1.77	Furniture - Expenses - % assigned per line	0.0000	0.0000
Fiber Investment, buried sheath addition	0.20	0.20	Office Equipment - Capital Costs - % assigned per line	0.0000	0.0000
Fiber Investment, conduit	0.60	0.60	Office Equipment - Expenses - % assigned per line	0.0000	0.0000
Fiber, spare tubes per route	1.00	1.00	General Purpose Computer - Capital Costs - % assigned per line	0.0000	0.0000
Fiber Investment, conduit placement	16.40	16.40	General Purpose Computer - Expenses - % assigned per line	0.0000	0.0000
Fiber, pullbox spacing	2,000.00	2,000.00	Motor Vehicles - Capital Costs - % assigned per line	0.0000	0.0000
Fiber Investment, pullbox investment	500.00	500.00	Motor Vehicles - Expenses - % assigned per line	0.0000	0.0000
Fiber, aerial fraction	0.05	0.05	Buildings - Capital Costs - % assigned per line	0.0000	0.0000
Fiber, pole spacing, feet	150.00	150.00	Buildings - Expenses - % assigned per line	0.0000	0.0000
Fiber Investment, pole material	201.00	201.00	Garage Work Eqpt. - Capital Costs - % assigned per line	0.0000	0.0000
Fiber Investment, pole labor (basic)	216.00	216.00	Garage Work Eqpt. - Expenses - % assigned per line	0.0000	0.0000
Fraction Poles and Buried/Underground Placement Common with Feed	0.75	0.75	Other Work Eqpt. - Capital Costs - % assigned per line	0.0000	0.0000
Fraction of Aerial Structure Assigned to Telephone	0.50	0.50	Other Work Eqpt. - Expenses - % assigned per line	0.0000	0.0000
Fraction of Buried Structure Assigned to Telephone	1.00	1.00	Network Operations - % assigned per line	0.0000	0.0000
Fraction of Underground Structure Assigned to Telephone	1.00	1.00	Other Taxes - % assigned per line	0.0000	0.0000
Multiplicative EO Switching Investment Term	-14.922	(14.92)	Variable Overhead - % assigned per line	0.0000	0.0000
Threshold value for off-ring wire centers, total lines	1	1.00			
Remote-host fraction of interoffice traffic -- remote	0.1	0.10			
Host-remote fraction of interoffice traffic -- host	0.05	0.05			
Maximum nodes per ring	16	16.00			
Use host - remote assignments	TRUE	FALSE			
Ring transiting traffic factor	0.4	0.40			
Intertandem fraction of tandem trunks (additive)	0.1	0.10			
Equivalent facility investment, per DS-0	138.08	138.08			
Equivalent terminal investment, per DS-0	111.62	111.62			
Switch line size - 1	0	-			
Switch line size - 2	640	640.00			
Switch line size - 3	5000	5,000.00			
Switch line size - 4	10000	10,000.00			
BOC standalone fixed inv - 1	428296	428,296.00			
BOC standalone fixed inv - 2	428296	428,296.00			
BOC standalone fixed inv - 3	428296	428,296.00			
BOC standalone fixed inv - 4	428296	428,296.00			
BOC host fixed inv - 1	428296	428,296.00			
BOC host fixed inv - 2	468700	468,700.00			
BOC host fixed inv - 3	468700	468,700.00			
BOC host fixed inv - 4	468700	468,700.00			
BOC remote fixed inv - 1	142384	142,384.00			

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User Adjustable Inputs

Switching Input	Current Scenario Value	Default Scenario Value	Expense Input	Current Scenario Value	Default Scenario Value
BOC remote fixed inv - 2	142384	142,384.00			
BOC remote fixed inv - 3	142384	142,384.00			
BOC remote fixed inv - 4	142384	142,384.00			
BOC standalone per line inv - 1	76.56	76.56			
BOC standalone per line inv - 2	76.56	76.56			
BOC standalone per line inv - 3	76.56	76.56			
BOC standalone per line inv - 4	76.56	76.56			
BOC host per line inv - 1	76.56	76.56			
BOC host per line inv - 2	76.56	76.56			
BOC host per line inv - 3	76.56	76.56			
BOC host per line inv - 4	76.56	76.56			
BOC remote per line inv - 1	76.56	76.56			
BOC remote per line inv - 2	76.56	76.56			
BOC remote per line inv - 3	76.56	76.56			
BOC remote per line inv - 4	76.56	76.56			
ICO standalone fixed inv - 1	428296	428,296.00			
ICO standalone fixed inv - 2	468700	468,700.00			
ICO standalone fixed inv - 3	428296	428,296.00			
ICO standalone fixed inv - 4	428296	428,296.00			
ICO host fixed inv - 1	468700	468,700.00			
ICO host fixed inv - 2	468700	468,700.00			
ICO host fixed inv - 3	468700	468,700.00			
ICO host fixed inv - 4	468700	468,700.00			
ICO remote fixed inv - 1	142384	142,384.00			
ICO remote fixed inv - 2	142384	142,384.00			
ICO remote fixed inv - 3	142384	142,384.00			
ICO remote fixed inv - 4	142384	142,384.00			
ICO standalone per line inv - 1	76.56	76.56			
ICO standalone per line inv - 2	76.56	76.56			
ICO standalone per line inv - 3	76.56	76.56			
ICO standalone per line inv - 4	76.56	76.56			
ICO host per line inv - 1	76.56	76.56			
ICO host per line inv - 2	76.56	76.56			
ICO host per line inv - 3	76.56	76.56			
ICO host per line inv - 4	76.56	76.56			
ICO remote per line inv - 1	76.56	76.56			
ICO remote per line inv - 2	76.56	76.56			
ICO remote per line inv - 3	76.56	76.56			
ICO remote per line inv - 4	76.56	76.56			

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User Adjustable Inputs

Switching Input	Current Scenario		Expense Input	Current Scenario	
	Value	Default Scenario Value		Value	Default Scenario Value