

HAI Model Release 5.0a - Expense Module Density Zone Level Calculations																										
density zone (lines/sq mi)	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	1,719	-	1,719	-	-	-	1,657	\$	-	\$	-	\$	2,928,405	\$	144,309	\$	-	\$	-	\$	1,322,211				
5	DLC	1,593	390	1,119	64	20	30	1,081	\$	-	\$	-	\$	744,147	\$	36,711	\$	-	\$	-	\$	300,969				
100	DLC																									
200	DLC																									
650	DLC																									
850	DLC																									
2550	DLC																									
5000	DLC																									
10000	DLC																									
0	non-DLC	192	-	192	-	-	-	185	\$	-	\$	30,702	\$	1,554	\$	-	\$	-	\$	3,388	\$	-				
5	non-DLC	89	-	89	-	-	-	86	\$	-	\$	15,157	\$	767	\$	-	\$	-	\$	1,208	\$	-				
100	non-DLC																									
200	non-DLC																									
650	non-DLC																									
850	non-DLC																									
2550	non-DLC																									
5000	non-DLC																									
10000	non-DLC																									
Totals/Avg		3,593	390	3,119	64	20	30	3,009	\$	-	\$	45,858	\$	2,321	\$	-	\$	3,672,562	\$	181,020	\$	-	\$	4,597	\$	1,623,180

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	\$ 113,363	\$ -	\$ 2,047,500	\$ 103,618	\$ -	\$ -	\$ 3,319,848	\$ 202,245	0.00%	31.66%	0.00%	\$ 1,301,829	\$ 25,450	\$ 144,344	\$ 177,714	\$ 48,301	957,432
5	DLC	\$ 31,571	\$ -	\$ 1,143,919	\$ 57,891	\$ -	\$ -	\$ 1,389,346	\$ 83,817	0.00%	37.41%	0.00%	\$ 709,764	\$ 14,200	\$ 133,697	\$ 133,860	\$ 38,719	245,456
100	DLC																	
200	DLC																	
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non-DLC	\$ 11,947	\$ -	\$ 190,371	\$ 9,634	\$ -	\$ -	\$ 215,100	\$ 11,676	39.37%	29.09%	39.37%	\$ -	\$ 2,000	\$ 16,083	\$ 19,413	\$ 5,390	7,362
5	non-DLC	\$ 5,616	\$ -	\$ 67,043	\$ 3,393	\$ -	\$ -	\$ 95,142	\$ 5,421	44.48%	44.48%	44.48%	\$ -	\$ 1,000	\$ 7,469	\$ 9,238	\$ 2,508	3,610
100	non-DLC																	
200	non-DLC																	
650	non-DLC																	
850	non-DLC																	
2550	non-DLC																	
5000	non-DLC																	
10000	non-DLC																	
Totals/Avg		\$ 162,497	\$ -	\$ 3,448,834	\$ 174,536	\$ -	\$ -	\$ 5,019,436	\$ 303,159				\$ 2,011,593	\$ 42,650	\$ 301,593	\$ 340,226	\$ 94,918	1,213,859

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	1,954,428	1,719	\$	1,173,338	\$	-	\$	237,521	\$	36,919	\$	3,267	\$	4,299	\$	1,376	\$	1,719	\$	159,598	\$	2,502	\$	92,979	\$	2,225	\$	791,601	\$	23,725	\$	15,830	\$	-
5	DLC	838,320	1,593	\$	1,043,434	\$	-	\$	211,224	\$	22,006	\$	2,905	\$	3,823	\$	1,223	\$	1,529	\$		\$		\$		\$		\$	456,944	\$	13,651	\$	7,795	\$	-
100	DLC																																		
200	DLC																																		
650	DLC																																		
850	DLC																																		
2550	DLC																																		
5000	DLC																																		
10000	DLC																																		
0	non-DLC	127,922	-	\$	130,735	\$	-	\$	26,465	\$	4,090	\$	364	\$	479	\$	153	\$	192	\$	17,382	\$	279	\$		\$	98,226	\$	2,964	\$	1,977	\$	-		
5	non-DLC	56,582	-	\$	60,710	\$	-	\$	12,290	\$	1,985	\$	169	\$	222	\$	71	\$	89	\$	8,187	\$	129	\$		\$	46,186	\$	1,385	\$	933	\$	-		
100	non-DLC																																		
200	non-DLC																																		
650	non-DLC																																		
850	non-DLC																																		
2550	non-DLC																																		
5000	non-DLC																																		
10000	non-DLC																																		
Totals/Avg		2,977,251	3,312	\$	2,408,217	\$	-	\$	487,500	\$	65,000	\$	6,705	\$	8,823	\$	2,823	\$	3,529	\$	278,145	\$	5,134	\$	-	\$	1,392,958	\$	41,725	\$	26,536	\$	-		

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		\$ 305,905		\$ 362,816	\$ 10,917	\$ 7,225	\$ -		\$ 117,447		\$ 61,890	\$ 1,859	\$ 1,247	\$ -		\$ 55,831	51
5	DLC		\$ 158,465		\$ 220,041	\$ 6,552	\$ 3,683	\$ -		\$ 67,010		\$ 107,227	\$ 3,242	\$ 2,076	\$ -		\$ 95,659	25
100	DLC																	
200	DLC																	
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non-DLC		\$ 26,327		\$ 41,178	\$ 1,243	\$ 829	\$ -		\$ 11,007		\$ 4,964	\$ 150	\$ 100	\$ -		\$ 1,296	3
5	non-DLC		\$ 11,753		\$ 21,878	\$ 656	\$ 442	\$ -		\$ 5,567		\$ 2,431	\$ 73	\$ 49	\$ -		\$ 619	2
100	non-DLC																	
200	non-DLC																	
650	non-DLC																	
850	non-DLC																	
2550	non-DLC																	
5000	non-DLC																	
10000	non-DLC																	
Totals/Avg		\$ -	\$ 502,451	\$ -	\$ 645,913	\$ 19,369	\$ 12,179	\$ -	\$ -	\$ 201,032	\$ -	\$ 176,512	\$ 5,324	\$ 3,472	\$ -	\$ -	\$ 153,405	81

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	17	7	75	71	179	36	4,299 \$	688 \$	9,457 \$	92,012 \$	-	26,902,925	-	15,362,425	
5	DLC	10	4	33	68	68	18	3,823 \$	612 \$	8,410 \$	54,359 \$	15,139	17,510,338	9,416,197	7,424,648	
100	DLC														-	
200	DLC														-	
650	DLC														-	
850	DLC														-	
2550	DLC														-	
5000	DLC														-	
10000	DLC														-	
0	non-DLC	2	1	5	1	10	3	479 \$	77 \$	1,054 \$	11,297 \$	-	2,997,555	-	900,565	
5	non-DLC	1	0	2	0	4	1	222 \$	36 \$	489 \$	5,485 \$	-	1,391,984	-	396,018	
100	non-DLC														-	
200	non-DLC														-	
650	non-DLC														-	
850	non-DLC														-	
2550	non-DLC														-	
5000	non-DLC														-	
10000	non-DLC														-	
Totals/Avg		29	13	116	140	261	58	8,823 \$	1,412 \$	19,410 \$	163,152 \$	15,139	48,802,803	9,416,197	24,083,656	

Universal Service Calculation Sheet - monthly costs per line

Missouri
Green Hills Telephone Corp

	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	\$ 142.55	\$ 66.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 107.50
Port	6.12	6.12	-	-	-	-	-	-	-	6.12
End office usage	8.13	8.13	-	-	-	-	-	-	-	8.13
Signaling	0.32	0.32	-	-	-	-	-	-	-	0.32
Transport	5.57	5.57	-	-	-	-	-	-	-	5.57
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	\$ 165.73	\$ 89.30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 130.68
@ Residence usage per line	\$ 165.53	\$ 89.10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135.93
@ Business usage per line	\$ 167.22	\$ 90.79	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90.79
Total switched lines	1,911	1,618	-	-	-	-	-	-	-	3,529
Primary residence lines	1,842	1,167	-	-	-	-	-	-	-	3,009
Secondary residence lines	69	41	-	-	-	-	-	-	-	110
Single line business lines	-	30	-	-	-	-	-	-	-	30
Multiline business lines	-	360	-	-	-	-	-	-	-	360
Public lines	-	20	-	-	-	-	-	-	-	20
FEDERAL FUND ANALYSIS										
Annual Support										
for line types:	Specify	Bench								
Primary residence lines	X	\$31.00	\$ 2,973,501	\$ 813,437	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,786,938
Secondary residence lines		\$31.00	\$ 111,553	\$ 28,834	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140,387
Single line business lines	X	\$51.00	\$ 0	\$ 14,207	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,207
Multiline business lines		\$51.00	\$ 0	\$ 171,998	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 171,998
Public lines		\$51.00	\$ 0	\$ 9,510	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,510
Support cost if all lines supported			\$ 3,085,054	\$ 1,037,987	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,123,041
Total annual support for specified lines										
@25% Federal allocation			\$ 743,375	\$ 206,911	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 950,286
@Implied 75% State allocation			\$ 2,230,126	\$ 620,733	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,850,859

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

\$20.00	\$ 3,216,630	\$ 967,444	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,184,074
\$30.00	\$ 2,995,604	\$ 827,437	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,823,041
\$40.00	\$ 2,774,577	\$ 687,431	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,462,008
\$50.00	\$ 2,553,550	\$ 547,424	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,100,975
\$60.00	\$ 2,332,524	\$ 407,418	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,739,942
\$70.00	\$ 2,111,497	\$ 267,412	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,378,909
\$80.00	\$ 1,890,471	\$ 127,405	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,017,876

STATE FUND ANALYSIS															
Annual Support for line types:		Specify	Bench mark												
Primary residence lines	X	\$31.00	\$	2,973,501	\$	813,437	\$	-	\$	-	\$	-	\$	3,786,938	
Secondary residence lines		\$31.00	\$	111,553	\$	28,834	\$	-	\$	-	\$	-	\$	140,387	
Single line business lines	X	\$51.00	\$	0	\$	14,207	\$	-	\$	-	\$	-	\$	14,207	
Multiline business lines		\$51.00	\$	0	\$	171,998	\$	-	\$	-	\$	-	\$	171,998	
Public lines		\$51.00	\$	0	\$	9,510	\$	-	\$	-	\$	-	\$	9,510	
Support cost if all lines supported				\$	3,085,054	\$	1,037,987	\$	-	\$	-	\$	-	\$	4,123,041
Total annual support for specified lines				\$	2,973,501	\$	827,644	\$	-	\$	-	\$	-	\$	3,801,145
@75% State allocation				\$	2,230,126	\$	620,733	\$	-	\$	-	\$	-	\$	2,850,859
@Implied 25% Federal allocation				\$	743,375	\$	206,911	\$	-	\$	-	\$	-	\$	950,286

TOTAL FUND ANALYSIS														
25% Federal allocation from Federal Fund Analysis	\$	743,375	\$	206,911	\$	-	\$	-	\$	-	\$	-	\$	950,286
75% State allocation from State Fund Analysis	\$	2,230,126	\$	620,733	\$	-	\$	-	\$	-	\$	-	\$	2,850,859
Total Federal + State fund	\$	2,973,501	\$	827,644	\$	-	\$	-	\$	-	\$	-	\$	3,801,145

Module release date: 11/4/1997

COST OF NETWORK ELEMENTS

**Missouri
Green Hills Telephone Corp**

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	\$ 13,511	\$ 10,186	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,697
Unit Cost/month	0.59	0.50	-	-	-	-	-	-	-	0.55
Loop Distribution (DLC)										
Annual Cost	\$ 1,559,614	\$ 765,243	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,324,857
Unit Cost/month	75.59	40.04	-	-	-	-	-	-	-	58.50
Loop Distribution (non-DLC)										
Annual Cost	\$ 120,064	\$ 48,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 168,870
Unit Cost/month	52.23	45.72	-	-	-	-	-	-	-	50.16
Loop Distribution (all)										
Annual Cost	\$ 1,679,678	\$ 814,049	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,493,727
Unit Cost/month	73.25	40.34	-	-	-	-	-	-	-	57.85
Loop Concentration (DLC)										
Annual Cost	\$ 361,050	\$ 197,043	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 558,094
Unit Cost/month	17.50	10.31	-	-	-	-	-	-	-	14.04
Loop Concentration (non-DLC)										
Annual Cost	\$ 465	\$ 233	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 698
Unit Cost/month	0.20	0.22	-	-	-	-	-	-	-	0.21
Loop Concentration (all)										
Annual Cost	\$ 361,516	\$ 197,276	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 558,792
Unit Cost/month	15.76	9.78	-	-	-	-	-	-	-	12.96
Loop Feeder (DLC)										
Annual Cost	\$ 1,143,737	\$ 282,954	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,426,691
Unit Cost/month	55.43	14.81	-	-	-	-	-	-	-	35.90
Loop Feeder (non-DLC)										
Annual Cost	\$ 13,149	\$ 6,283	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,432
Unit Cost/month	5.72	5.89	-	-	-	-	-	-	-	5.77
Loop Feeder (all)										
Annual Cost	\$ 1,156,886	\$ 289,238	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,446,123
Unit Cost/month	50.45	14.33	-	-	-	-	-	-	-	33.54
Total Loop (DLC)										
Annual Cost	\$ 3,076,558	\$ 1,254,888	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,331,446
Unit Cost/month	149.11	65.66	-	-	-	-	-	-	-	108.98
Total Loop (non-DLC)										
Annual Cost	\$ 135,032	\$ 55,861	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 190,893
Unit Cost/month	58.74	52.33	-	-	-	-	-	-	-	56.70
Total Loop (all)										
Annual Cost	\$ 3,211,590	\$ 1,310,749	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,522,339
Unit Cost/month	140.05	64.96	-	-	-	-	-	-	-	104.90
Total lines	1,911	1,682	-	-	-	-	-	-	-	3,593
Total lines served by DLC	1,719	1,593	-	-	-	-	-	-	-	3,312

	Annual Cost	Units	Unit Cost
End office switching	\$ 849,203		
Line Port	254,761	3,529 switched lines	\$ 6.02 per line/month
Non-Line Port	594,442	40,241,177 actual minutes	\$ 0.01477 per actual minute (for rate per DEM, see "Cost detail" sheet)
Signaling network elements	\$ 51,103		
Links	43,246	26 links	\$ 139.33 per link per month
STP	5,145	22,788,156 TCAP+ISUP msgs	\$ 0.00023 per signaling message
SCP	2,713	2,312,000 TCAP queries	\$ 0.00117 per query
Transport network elements			
<i>Dedicated</i>			
Sw+Sp Transport	\$ 48,000	140 trunks	\$ 28.56 per DS-0 equivalent per month
Switched	26,227	77 trunks	\$ 0.00284 per minute
Special	21,772	64 trunks	
Transmission Terminal	42,835	140 trunks	\$ 25.49 per DS-0 equivalent per month
			\$ 0.00254 per minute
			\$ 0.00538 total per minute
<i>Common</i>			
Transport	\$ 376,792	17,439,584 minutes	\$ 0.00770 per minute per leg (orig or term)
Transmission Terminal	139,632	17,439,584 minutes	\$ 0.00285 per minute
			\$ 0.01055 total per minute
<i>Direct</i>			
Transport	\$ 174,720	2,341,818 minutes	\$ 0.07461 per minute
Transmission Terminal	55,888	2,341,818 minutes	\$ 0.02387 per minute
			\$ 0.09847 total per minute
Tandem switch	\$ 4,903	15,217,890 minutes	\$ 0.00032 per minute
Operator systems	\$ 85,518		
Public Telephones	\$ 7,734		
Total (w/ Public)	\$ 6,358,667		
Total cost of switched network elements (w/o Public)	\$ 147.11	per line/month	

	interconnected at			
	end office	tandem	wtd average	
Local interconnection				
EO switching	\$ 0.01477	\$ 0.01477		
ISUP	\$ 0.00269	\$ 0.00269		
Common Transport	\$ -	\$ 0.01055		
Tandem Switching	\$ -	\$ 0.00032		
TOTAL	\$ 0.01746	\$ 0.02834	n/a	

IXC switched access				
EO switching	\$ 0.01477	\$ 0.01477		
ISUP	\$ 0.00269	\$ 0.00269		
Dedicated Transport	\$ 0.00538	\$ 0.00538		
Common Transport	\$ -	\$ 0.01055		
Tandem Switching	\$ -	\$ 0.00032		
TOTAL	\$ 0.02284	\$ 0.03372	\$ 0.03372	

Signaling detail				
cost per 800 call attempt (TCAP)	\$ 0.0028			
ISUP cost/transaction	\$ 0.01403			
ISUP cost/completion	0.0200			
IXC switched access MOU/comp	7.45			
ISUP cost/min	\$ 0.002689			
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 594,442
Total DEMs 58,219,000
Cost per DEM \$ 0.01021

Dedicated Transport Costs Per Trunk

DS-0 per month	
Transport per month	\$ 28.56
Terminal per month *	\$ 316.01
TOTAL	\$ 344.57

DS-1 per month	
Transport per month	\$ 685.38
Terminal per month	\$ 611.64
TOTAL	\$ 1,297.02

DS-3 per month	
Transport per month	\$ 19,190.69
Terminal per month	\$ 1,729.89
TOTAL	\$ 20,920.58

Trunk Port Costs

per trunk port (DS-0 equivalent) per month	\$ 2.94
per trunk port minute	\$ 0.000293

total EO usage per minute	\$ 0.014772
trk port/min	\$ 0.000293
other	\$ 0.014479

	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)	31.7%	37.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	34.4%
calculated distribution fill (non-DLC)	29.1%	44.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	34.0%
weighted average										34.4%

Per DS0 Transport Calculations

Entrance Facility Investment per Line	\$ -
Total Dedicated Terminal Investment	153,405
Total Lines	3,593
Total Dedicated Terminal Investment per line	\$ 43
Entrance Facility percent to total	\$ -
Terminal Investment per DS-0	\$ 1,095
Transport Investment per DS-0	\$ 1,323

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	\$ 8,591	\$ 6,596	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	15,187
Network Expenses	\$ 1,842	\$ 1,264	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,106
Direct expense	\$ 10,433	\$ 7,861	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	18,293
Investment	\$ 53,691	\$ 41,226	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	94,918
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 3,009	\$ 2,268	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,277
Total	\$ 13,442	\$ 10,128	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,570
with carrier-to-carrier	\$ 13,453	\$ 10,142	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,595
Distribution (DLC)										
Annual Capital Cost	\$ 968,255	\$ 474,568	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,442,823
Network Expenses	\$ 236,020	\$ 115,960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	351,980
Direct expense	\$ 1,204,275	\$ 590,528	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,794,804
Investment	\$ 5,995,270	\$ 2,942,531	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,937,801
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 347,393	\$ 170,348	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	517,741
Total	\$ 1,551,669	\$ 760,876	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,312,544
with carrier-to-carrier	\$ 1,552,853	\$ 761,925	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,314,778
Distribution (non-DLC)										
Annual Capital Cost	\$ 74,481	\$ 30,273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	104,754
Network Expenses	\$ 18,228	\$ 7,390	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	25,618
Direct expense	\$ 92,709	\$ 37,663	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	130,372
Investment	\$ 462,278	\$ 187,706	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	649,983
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 26,743	\$ 10,864	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	37,608
Total	\$ 119,452	\$ 48,527	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	167,979
with carrier-to-carrier	\$ 119,543	\$ 48,594	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	168,138
Distribution (all)										
Annual Capital Cost	\$ 1,042,736	\$ 504,841	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,547,577
Network Expenses	\$ 254,248	\$ 123,350	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	377,598
Direct expense	\$ 1,296,984	\$ 628,191	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,925,175
Investment	\$ 6,457,548	\$ 3,130,236	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,587,784
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 374,136	\$ 181,212	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	555,348
Total	\$ 1,671,121	\$ 809,403	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,480,524
with carrier-to-carrier	\$ 1,672,396	\$ 810,519	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,482,916
Concentrator (DLC)										
Annual Capital Cost	\$ 258,373	\$ 140,918	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	399,291
Network Expenses	\$ 20,417	\$ 11,138	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	31,555
Direct expense	\$ 278,790	\$ 152,056	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	430,845
Investment	\$ 1,327,279	\$ 723,964	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,051,243
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 80,421	\$ 43,863	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	124,284
Total	\$ 359,211	\$ 195,919	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	555,130
with carrier-to-carrier	\$ 359,485	\$ 196,189	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	555,674
Concentrator (non-DLC)										
Annual Capital Cost	\$ 320	\$ 160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	480
Network Expenses	\$ 39	\$ 20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	59
Direct expense	\$ 359	\$ 180	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	539
Investment	\$ 2,000	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,000
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 104	\$ 52	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	155
Total	\$ 463	\$ 231	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	694
with carrier-to-carrier	\$ 463	\$ 232	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	695
Concentrator (all)										
Annual Capital Cost	\$ 258,693	\$ 141,078	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	399,771
Network Expenses	\$ 20,456	\$ 11,157	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	31,613
Direct expense	\$ 279,149	\$ 152,235	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	431,384
Investment	\$ 1,329,279	\$ 724,964	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,054,243
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 80,525	\$ 43,915	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	124,440
Total	\$ 359,674	\$ 196,150	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	555,824
with carrier-to-carrier	\$ 359,948	\$ 196,421	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	556,369
Feeder (DLC)										
Annual Capital Cost	\$ 704,139	\$ 174,108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	878,247
Network Expenses	\$ 179,011	\$ 44,244	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	223,255
Direct expense	\$ 883,150	\$ 218,352	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,101,503
Investment	\$ 4,508,288	\$ 1,113,398	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,621,686
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 254,759	\$ 62,987	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	317,747
Total	\$ 1,137,910	\$ 281,340	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,419,249
with carrier-to-carrier	\$ 1,138,778	\$ 281,728	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,420,506
Feeder (non-DLC)										
Annual Capital Cost	\$ 8,237	\$ 3,932	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,169
Network Expenses	\$ 1,916	\$ 916	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,832
Direct expense	\$ 10,153	\$ 4,849	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	15,002

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	\$ 47,591	\$ 22,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	70,339
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 2,929	\$ 1,399	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,328
Total	\$ 13,082	\$ 6,247	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19,329
with carrier-to-carrier	\$ 13,092	\$ 6,256	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19,348
Feeder (all)										
Annual Capital Cost	\$ 712,376	\$ 178,041	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	890,417
Network Expenses	\$ 180,927	\$ 45,160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	226,088
Direct expense	\$ 893,304	\$ 223,201	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,116,505
Investment	\$ 4,555,879	\$ 1,136,146	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,692,025
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 257,688	\$ 64,386	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	322,074
Total	\$ 1,150,992	\$ 287,587	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,438,579
with carrier-to-carrier	\$ 1,151,870	\$ 287,984	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,439,854
End Office Switching										
Annual Capital Cost	\$ 257,797	\$ 216,468	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	474,265
Network Expenses	\$ 91,054	\$ 77,094	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	168,148
Direct expense	\$ 348,851	\$ 293,563	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	642,414
Investment	\$ 1,609,068	\$ 1,351,649	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,960,717
Support expenses	\$ 63,588	\$ 59,086	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	122,674
Subtotal, with misc spt	\$ 412,439	\$ 352,649	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	765,088
Total, with var overhead	\$ 455,333	\$ 389,324	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	844,657
with carrier-to-carrier	\$ 455,676	\$ 389,846	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	845,521
Signaling										
Annual Capital Cost	\$ 19,119	\$ 11,768	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,887
Network Expenses	\$ 4,815	\$ 3,006	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,820
Direct expense	\$ 23,934	\$ 14,773	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	38,707
Investment	\$ 119,361	\$ 73,435	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	192,796
Support expenses	\$ 4,363	\$ 2,973	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,336
Subtotal, with misc spt	\$ 28,297	\$ 17,747	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	46,044
Total, with var overhead	\$ 31,240	\$ 19,593	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	50,832
with carrier-to-carrier	\$ 31,263	\$ 19,619	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	50,882
Dedicated Transport										
Annual Capital Cost	\$ 10,941	\$ 17,931	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	28,872
Network Expenses	\$ 2,781	\$ 4,559	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,341
Direct expense	\$ 13,722	\$ 22,491	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36,213
Investment	\$ 70,210	\$ 115,097	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	185,307
Support expenses	\$ 2,501	\$ 4,527	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,028
Subtotal, with misc spt	\$ 16,223	\$ 27,017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	43,241
Total, with var overhead	\$ 17,911	\$ 29,827	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	47,738
with carrier-to-carrier	\$ 17,924	\$ 29,867	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	47,791
Dedicated Transport Transmission										
Annual Capital Cost	\$ 11,159	\$ 18,807	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	29,966
Network Expenses	\$ 874	\$ 1,473	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,347
Direct expense	\$ 12,033	\$ 20,280	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	32,313
Investment	\$ 57,127	\$ 96,277	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	153,405
Support expenses	\$ 2,193	\$ 4,082	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,275
Subtotal, with misc spt	\$ 14,227	\$ 24,362	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	38,588
Total, with var overhead	\$ 15,706	\$ 26,895	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	42,602
with carrier-to-carrier	\$ 15,718	\$ 26,931	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	42,650
Direct Transport										
Annual Capital Cost	\$ 66,101	\$ 39,423	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	105,524
Network Expenses	\$ 16,804	\$ 10,029	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	26,833
Direct expense	\$ 82,904	\$ 49,452	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	132,356
Investment	\$ 424,208	\$ 253,253	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	677,460
Support expenses	\$ 15,112	\$ 9,953	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	25,065
Subtotal, with misc spt	\$ 98,016	\$ 59,405	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	157,421
Total, with var overhead	\$ 108,210	\$ 65,583	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	173,793
with carrier-to-carrier	\$ 108,291	\$ 65,671	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	173,963
Direct Transport Transmission										
Annual Capital Cost	\$ 25,092	\$ 14,177	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	39,270
Network Expenses	\$ 1,965	\$ 1,110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,076
Direct expense	\$ 27,058	\$ 15,288	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	42,346
Investment	\$ 128,454	\$ 72,578	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	201,032
Support expenses	\$ 4,932	\$ 3,077	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,009
Subtotal, with misc spt	\$ 31,990	\$ 18,365	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	50,355
Total, with var overhead	\$ 35,317	\$ 20,275	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	55,591
with carrier-to-carrier	\$ 35,343	\$ 20,302	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	55,645
Common Transport										
Annual Capital Cost	\$ 145,591	\$ 82,028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	227,620
Network Expenses	\$ 37,008	\$ 20,867	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	57,875
Direct expense	\$ 182,600	\$ 102,895	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	285,495
Investment	\$ 934,324	\$ 526,895	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,461,219
Support expenses	\$ 33,284	\$ 20,710	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	53,994
Subtotal, with misc spt	\$ 215,884	\$ 123,605	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	339,489
Total, with var overhead	\$ 238,336	\$ 136,460	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	374,796
with carrier-to-carrier	\$ 238,516	\$ 136,643	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	375,158

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	\$ 64,899	\$ 33,251	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	98,149
Network Expenses	\$ 5,083	\$ 2,604	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,687
Direct expense	\$ 69,982	\$ 35,855	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	105,837
Investment	\$ 332,233	\$ 170,218	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	502,451
Support expenses	\$ 12,756	\$ 7,217	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19,973
Subtotal, with misc spt	\$ 82,738	\$ 43,071	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	125,809
Total, with var overhead	\$ 91,343	\$ 47,551	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	138,894
with carrier-to-carrier	\$ 91,412	\$ 47,615	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	139,026
Tandem Switching										
Annual Capital Cost	\$ 1,309	\$ 1,108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,418
Network Expenses	\$ 699	\$ 592	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,291
Direct expense	\$ 2,008	\$ 1,701	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,709
Investment	\$ 8,408	\$ 7,119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	15,528
Support expenses	\$ 366	\$ 342	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	708
Subtotal, with misc spt	\$ 2,375	\$ 2,043	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,417
Total, with var overhead	\$ 2,622	\$ 2,255	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,877
with carrier-to-carrier	\$ 2,624	\$ 2,258	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,882
Operator Systems										
Annual Capital Cost	\$ 28,598	\$ 16,680	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	45,278
Network Expenses	\$ 12,229	\$ 8,467	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	20,696
Direct expense	\$ 40,827	\$ 25,147	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	65,973
Investment	\$ 183,200	\$ 106,432	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	289,632
Support expenses	\$ 6,623	\$ 4,453	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,076
Subtotal, with misc spt	\$ 47,450	\$ 29,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	77,049
Total, with var overhead	\$ 52,385	\$ 32,678	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	85,063
with carrier-to-carrier	\$ 52,425	\$ 32,723	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	85,147
Public Telephone										
Annual Capital Cost	\$ -	\$ 3,096	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,096
Network Expenses	\$ -	\$ 2,848	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,848
Direct expense	\$ -	\$ 5,944	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,944
Investment	\$ -	\$ 15,139	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	15,139
Support expenses	\$ -	\$ 1,052	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,052
Subtotal, with misc spt	\$ -	\$ 6,996	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,996
Total, with var overhead	\$ -	\$ 7,723	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,723
with carrier-to-carrier	\$ -	\$ 7,734	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,734
Totals										
Annual Capital Cost	\$ 2,653,003	\$ 1,285,293	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,938,296
Network Expenses	\$ 630,786	\$ 313,582	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	944,368
Total	\$ 3,283,789	\$ 1,598,875	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,882,664
Investment	\$ 16,262,990	\$ 7,820,665	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	24,083,656
Supporting Network Expenses										
Capital Cost - Gent Support	\$ 136,394	\$ 65,590	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	201,985
Network Operations	\$ 59,444	\$ 52,307	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	111,751
Network Support	\$ 9,431	\$ 4,592	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,023
Other Taxes	\$ 190,826	\$ 94,099	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	284,925
Misc Expenses	\$ 136,631	\$ 66,525	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	203,156
Subtotal	\$ 532,726	\$ 283,114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	815,840
Carrier-carrier customer svc	\$ 3,230	\$ 2,842	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,071
Interoffice/Switching Net Ops	\$ 15,300	\$ 13,463	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	28,763
Interoffice/Sw Exp	\$ 763,093	\$ 556,297	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,319,390
Total Network Costs										
	\$ 3,831,815	\$ 1,895,452	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,727,267
Other costs										
Other Taxes	\$ 190,826	\$ 94,099	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	284,925
Monthly Cost Factors										
Loop	0.02197	0.02209	-	-	-	-	-	-	-	0.02216
Port	0.00727	0.00733	-	-	-	-	-	-	-	0.00730
Switching	0.00965	0.00973	-	-	-	-	-	-	-	0.00969
Signaling	0.00510	0.00701	-	-	-	-	-	-	-	0.00583
Transport	0.00545	0.00726	-	-	-	-	-	-	-	0.00615
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										
	99.9247%	99.8662%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	99.9026%

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	\$ 6,215	0%	100%	\$ -	\$ 6,215
Furniture - Expenses	\$ 4,772	0%	100%	\$ -	\$ 4,772
Office Equipment - Capital Costs	\$ 17,742	0%	100%	\$ -	\$ 17,742
Office Equipment - Expenses	\$ 10,110	0%	100%	\$ -	\$ 10,110
General Purpose Computer - Capital Costs	\$ 37,075	0%	100%	\$ -	\$ 37,075
General Purpose Computer - Expenses	\$ 97,741	0%	100%	\$ -	\$ 97,741
Motor Vehicles - Capital Costs	\$ 22,372	0%	100%	\$ -	\$ 22,372
Motor Vehicles - Expenses	\$ 7,816	0%	100%	\$ -	\$ 7,816
Buildings - Capital Costs	\$ 44,717	0%	100%	\$ -	\$ 44,717
Buildings - Expenses	\$ 32,644	0%	100%	\$ -	\$ 32,644
Garage Work Eqpt. - Capital Costs	\$ 655	0%	100%	\$ -	\$ 655
Garage Work Eqpt. - Expenses	\$ 228	0%	100%	\$ -	\$ 228
Other Work Eqpt. - Capital Costs	\$ 15,654	0%	100%	\$ -	\$ 15,654
Other Work Eqpt. - Expenses	\$ 1,983	0%	100%	\$ -	\$ 1,983
Total General Support	\$ 299,724			\$ -	\$ 299,724
Network Operations	\$ 79,908	0%	100%	\$ -	\$ 79,908
Other Taxes	\$ 203,736	0%	100%	\$ -	\$ 203,736
Variable Overhead	\$ 423,771	0%	100%	\$ -	\$ 423,771
Totals	\$ 583,368			\$ -	\$ 1,007,139

	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	\$ 2,479,869	\$ 1,011,488	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,491,357
Non-Loop-related direct costs	\$ 803,919	\$ 587,387	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,391,307
Total	\$ 3,283,789	\$ 1,598,875	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,882,664
Loop Fraction	75.52%	63.26%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	71.51%
Network Operations	\$ 59,444	\$ 52,307	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 111,751

	Total Annual Amount	Amount Assigned to Loops	Amount Assigned to Other UNEs
General Support - Totals			
Furniture - Capital Costs	\$ 8,692	\$ 6,215	\$ 2,477
Furniture - Expenses	\$ 6,673	\$ 4,772	\$ 1,901
Office Equipment - Capital Costs	\$ 24,812	\$ 17,742	\$ 7,070
Office Equipment - Expenses	\$ 14,139	\$ 10,110	\$ 4,029
General Purpose Computer - Capital Costs	\$ 51,849	\$ 37,075	\$ 14,774
General Purpose Computer - Expenses	\$ 136,691	\$ 97,741	\$ 38,950
Motor Vehicles - Capital Costs	\$ 31,287	\$ 22,372	\$ 8,915
			\$ 201,985
			\$ 217,179

Exp Assignment

Motor Vehicles - Expenses	\$ 10,931	\$ 7,816	\$ 3,115	
Buildings - Capital Costs	\$ 62,536	\$ 44,717	\$ 17,820	
Buildings - Expenses	\$ 45,653	\$ 32,644	\$ 13,009	
Garage Work Eqpt. - Capital Costs	\$ 916	\$ 655	\$ 261	
Garage Work Eqpt. - Expenses	\$ 319	\$ 228	\$ 91	
Other Work Eqpt. - Capital Costs	\$ 21,892	\$ 15,654	\$ 6,238	
Other Work Eqpt. - Expenses	\$ 2,773	\$ 1,983	\$ 790	
Total General Support	\$ 419,164	\$ 299,724	\$ 119,440	
Network Operations	\$ 111,751	\$ 79,908	\$ 31,843	
Other Taxes Calculation				
Total Direct Costs	\$ 4,882,664	\$ 3,491,357	\$ 1,391,307	\$ 4,882,664
Total Network Operations	\$ 111,751	\$ 79,908	\$ 31,843	\$ 111,751
Total General Support	\$ 419,164	\$ 299,724	\$ 119,440	\$ 502,104
Total	\$ 5,413,579	\$ 3,870,989	\$ 1,542,590	
Other Taxes	\$ 284,925	\$ 203,736	\$ 81,189	\$ 787,030
Total Expenses and Other Taxes	\$ 5,698,504	\$ 4,074,725	\$ 1,623,779	
Variable Overhead Calculation				
Variable Overhead	\$ 592,644	\$ 423,771	\$ 168,873	
Total Cost with Variable Overhead	6,291,149	4,498,497	1,792,652	

UNE Expense Assignment

Totals

NID

per line cost \$ -
per direct cost \$ 5,277
total \$ 5,277

Distribution (DLC)

per line cost \$ -
per direct cost \$ 517,741
total \$ 517,741

Distribution (non-DLC)

per line cost \$ -
per direct cost \$ 37,608
total \$ 37,608

Concentrator (DLC)

per line cost \$ -
per direct cost \$ 124,284
total \$ 124,284

Concentrator (non-DLC)

per line cost \$ -
per direct cost \$ 155
total \$ 155

Feeder (DLC)

per line cost \$ -
per direct cost \$ 317,747
total \$ 317,747

Feeder (non-DLC)

Exp Assignment

<i>per line cost</i>	\$	-
<i>per direct cost</i>	\$	4,328
<i>total</i>	\$	4,328

End Office Switching	\$	827,728
Signaling	\$	49,873
Dedicated Transport	\$	46,659
Dedicated Transport Transmission	\$	41,635
Direct Transport	\$	170,537
Direct Transport Transmission	\$	54,561
Common Transport	\$	367,851
Common Transport Transmission	\$	136,367
Tandem Switching	\$	4,779
Operator Systems	\$	85,004
Public Telephone	\$	7,658

COST SUMMARY

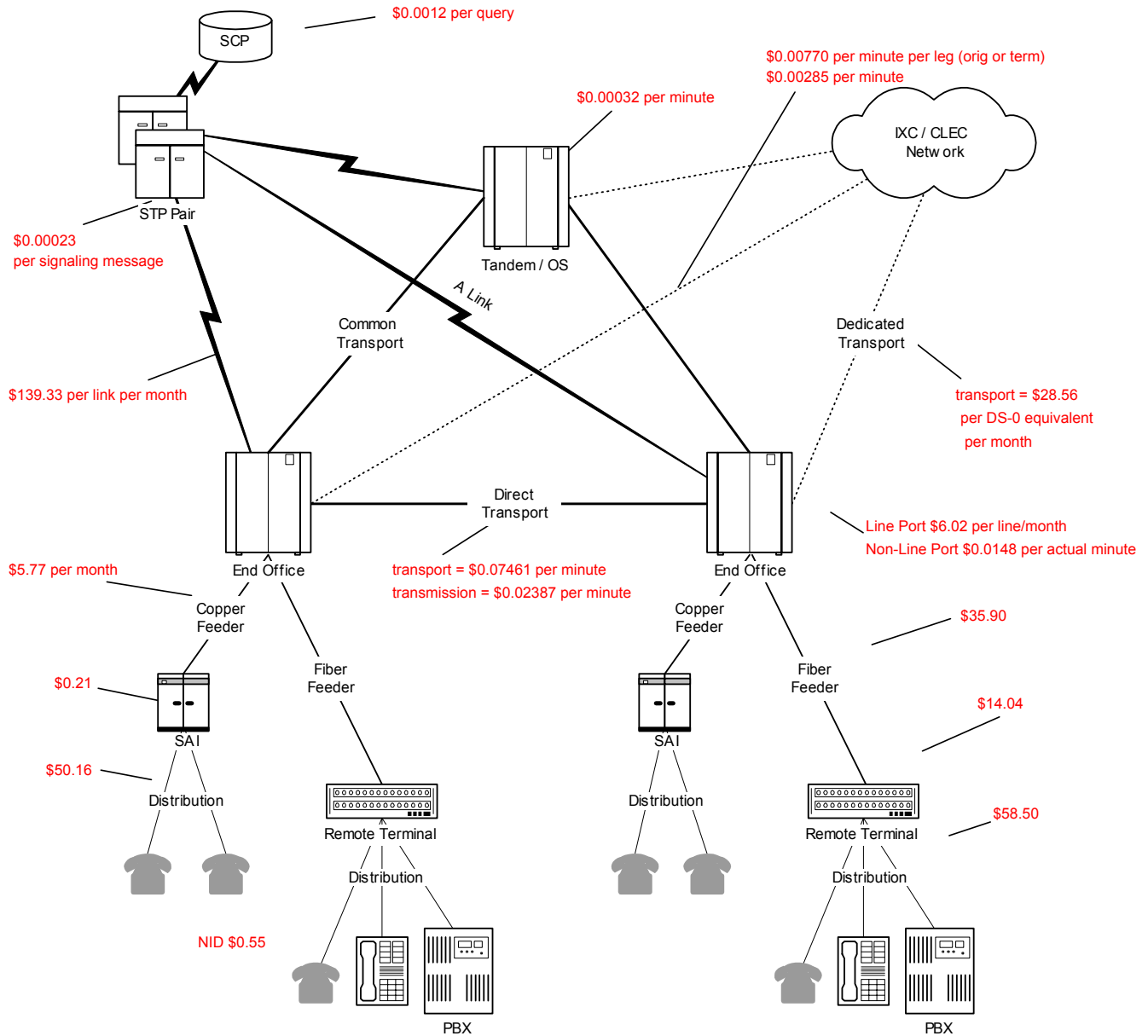
Missouri Green Hills Telephone Corp

			1	2	1 + 2	3	1 + 2 + 3	Total
Network Element	Investment *	% of total investment	Annual Capital Cost	Network Expenses	Direct Expense	Support Expense	Subtotal (with misc support)	(with carrier-to-carrier)
NID	\$ 94,918	0.4%	\$ 15,187	\$ 3,106	\$ 18,293	\$ 5,277	\$ 23,570	\$ 23,595
<i>Distribution (DLC)</i>	8,937,801	37.1%	1,442,823	351,980	1,794,804	517,741	2,312,544	2,314,778
<i>Distribution (non-DLC)</i>	649,983	2.7%	104,754	25,618	130,372	37,608	167,979	168,138
Distribution (all)	9,587,784	39.8%	1,547,577	377,598	1,925,175	555,348	2,480,524	2,482,916
<i>Concentrator (DLC)</i>	2,051,243	8.5%	399,291	31,555	430,845	124,284	555,130	555,674
<i>Concentrator (non-DLC)</i>	3,000	0.0%	480	59	539	155	694	695
Concentrator (all)	2,054,243	8.5%	399,771	31,613	431,384	124,440	555,824	556,369
<i>Feeder (DLC)</i>	5,621,686	23.3%	878,247	223,255	1,101,503	317,747	1,419,249	1,420,506
<i>Feeder (non-DLC)</i>	70,339	0.3%	12,169	2,832	15,002	4,328	19,329	19,348
Feeder (all)	5,692,025	23.6%	890,417	226,088	1,116,505	322,074	1,438,579	1,439,854
End Office Switching	2,960,717	12.3%	474,265	168,148	642,414	122,674	765,088	845,521
Signaling	192,796	0.8%	30,887	7,820	38,707	7,336	46,044	50,882
Dedicated Transport	185,307	0.8%	28,872	7,341	36,213	7,028	43,241	47,791
Dedicated Transport Transmission	153,405	0.6%	29,966	2,347	32,313	6,275	38,588	42,650
Direct Transport	677,460	2.8%	105,524	26,833	132,356	25,065	157,421	173,963
Direct Transport Transmission	201,032	0.8%	39,270	3,076	42,346	8,009	50,355	55,645
Common Transport	1,461,219	6.1%	227,620	57,875	285,495	53,994	339,489	375,158
Common Transport Transmission	502,451	2.1%	98,149	7,687	105,837	19,973	125,809	139,026
Tandem Switching	15,528	0.1%	2,418	1,291	3,709	708	4,417	4,882
Operator Systems	289,632	1.2%	45,278	20,696	65,973	11,076	77,049	85,147
Public Telephone	15,139	0.1%	3,096	2,848	5,944	1,052	6,996	7,734
Total Network Cost								
Total	\$ 24,083,656	100%	\$ 3,938,296	\$ 944,368	\$ 4,882,664	\$ 1,270,330	\$ 6,152,994	\$ 6,331,133

* Post sharing

Unbundled Network Elements

Missouri / Green Hills Telephone Corp



USOA Detail Breakdown of HAI Model Costs

**Green Hills Telephone Corp
Missouri**

USOA	INVESTMENT DESCRIPTION	Cost \$(000)
Telecommunications Plant in Service		
2111	LAND	65
2112	MOTOR VEHICLES	164
2113	AIRCRAFT	
2114	SPECIAL PURPOSE VEHICLES	
2115	GARAGE WORK EQUIPMENT	5
2116	OTHER WORK EQUIPMENT	128
2121	BUILDINGS	915
2122	FURNITURE	55
2123.1	OFFICE SUPPORT EQUIPMENT	139
2123.2	COMPANY COMMUNICATIONS EQUIPMENT	
2124	GENERAL PURPOSE COMPUTERS	214
2110	TOTAL LAND & SUPPORT ASSETS	1,685
2212	DIGITAL ELECTRONIC SWITCHING	2,443
2220	OPERATOR SYSTEMS	8
2232	CIRCUIT EQUIPMENT	2,942
2351	PUBLIC TEL TERMINAL EQUIPMENT	15
2411	POLES	515
2421.1	AERIAL CABLE - METALLIC	192
2421.2	AERIAL CABLE - NonMETALLIC	259
2422.1	UNDERGROUND CABLE - METALLIC	0
2422.2	UNDERGROUND CABLE - NonMETALLIC	0
2423.1	BURIED CABLE - METALLIC	9,241
2423.2	BURIED CABLE - NonMETALLIC	7,903
2426.1	INTRABUILDING NETWORK CABLE - MET.	
2426.2	INTRABUILDING NETWORK CABLE - NonMET.	
2441	CONDUIT SYSTEMS	0
2410	TOTAL CABLE & WIRE FACILITIES	18,109
	Total TPIS (before amortizable assets)*	25,202

* 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	11
6113	AIRCRAFT	4
6114	SPECIAL PURPOSE VEHICLES	0
6115	GARAGE WORK EQUIPMENT	0
6116	OTHER WORK EQUIPMENT	3
6110	NETWORK SUPPORT	18
6121	LAND & BUILDINGS	110
6122	FURNITURE	8
6123	OFFICE EQUIPMENT	17
6124	GENERAL PURPOSE COMPUTERS	163
6120	LAND & SUPPORT ASSETS	298
6212	DIGITAL ELECTRONIC SWITCHING	116
6220	OPERATOR SYSTEMS	10
6232	CIRCUIT EQUIPMENT	47
6351	PUBLIC TEL TERMINAL EQUIPMENT	3
6411	POLES	21
6421	AERIAL CABLE	29
6422	UNDERGROUND CABLE	0
6423	BURIED CABLE	664
6426	INTRABUILDING NETWORK CABLE	
6441	CONDUIT SYSTEMS	0
6410	TOTAL CABLE & WIRE FACILITIES	714
	Total Plant Specific Expenses	1,206
Plant Nonspecific Operations		
	TOTAL NETWORK OPERATIONS SUPPORT	141
6561	DEPRECIATION TPIS	1,486
6623	CUSTOMER SERVICES	6
	Total Plant Nonspecific Operations	1,633
	TOTAL CORPORATE OPERATIONS	596
	TOTAL OPERATING EXPENSES	3,434
7240	OPERATING OTHER TAXES	285
	TOTAL EXPENSES & OPERATING TAXES	3,719

USOA Depreciation Calculations

	<u>Depl life</u>	<u>DepFact</u>	<u>Dep Exp</u>
2111			
2112	10.45	0.09589	16
2113			
2114			
2115	9.97	0.10031	0
2116	13.92	0.07189	9
2121	48.73	0.02052	19
2122	18.36	0.05449	3
2123.1	12.44	0.08052	11
2123.2	7.99	0.12517	-
2124	6.61	0.15223	33
2110			
2212	17.17	0.05827	142
2220	9.25	0.10829	1
2232	9.90	0.10108	297
2351	8.98	0.11145	2
2411	8.38	0.11972	62
2421.1	13.61	0.07355	14
2421.2	18.92	0.05286	14
2422.1	17.88	0.05596	-
2422.2	20.14	0.04966	-
2423.1	18.36	0.05450	504
2423.2	21.97	0.04551	360
2426.1	13.57	0.07377	-
2426.2	21.37	0.04681	-
2441	46.15	0.02167	-
<i>Total Depreciation</i>			<i>1,486</i>

Network Element Disaggregations

Investment Disaggregations:

<i>Terminal, Drop, and NID</i>	<i>736,737</i>
Aerial-m portion	14,878
Buried-m portion	721,859

<i>OS Trks + Signaling links</i>	<i>441,298</i>
Circuit Eqpt. portion	73,550
Pole portion	6,676
Aerial-nm portion	10,510
Underground-nm portion	-
Buried-nm portion	350,563
Conduit portion	-

<i>SAI</i>	<i>42,650</i>
Aerial-m portion	18
Aerial-nm portion	1,396
Underground-m portion	-
Underground-nm portion	-
Buried-m portion	389
Buried-nm portion	40,847

Expense Disaggregations:

<i>Terminal, Drop, and NID</i>	<i>27,983</i>
Aerial portion	1,348
Buried portion	26,635

<i>OS Trks + Signaling links</i>	<i>17,105</i>
Circuit Eqpt. portion	2,851
Pole portion	270
Aerial-nm portion	647
Underground-nm portion	-
Buried-nm portion	13,338
Conduit portion	-

<i>SAI</i>	<i>836</i>
Aerial portion	28
Underground portion	-
Buried portion	808

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	\$ 36,805	\$ 17,699	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	54,505
office equipment	94,068	45,236	-	-	-	-	-	-	-	139,304
general purpose computers	144,656	69,563	-	-	-	-	-	-	-	214,219
motor vehicles	110,683	53,226	-	-	-	-	-	-	-	163,908
buildings	279,565	134,439	-	-	-	-	-	-	-	414,004
garage work equipment	3,176	1,527	-	-	-	-	-	-	-	4,704
orther work equipment	86,252	41,477	-	-	-	-	-	-	-	127,729
										-
TOTAL	\$ 755,204	\$ 363,168	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,118,372
Levelized Cost of Capital										
furniture	\$ 5,869	\$ 2,823	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,692
office equipment	16,755	8,057	-	-	-	-	-	-	-	24,812
general purpose computers	35,012	16,837	-	-	-	-	-	-	-	51,849
motor vehicles	21,128	10,160	-	-	-	-	-	-	-	31,287
buildings	42,229	20,307	-	-	-	-	-	-	-	62,536
garage work equipment	618	297	-	-	-	-	-	-	-	916
orther work equipment	14,783	7,109	-	-	-	-	-	-	-	21,892
TOTAL	\$ 136,394	\$ 65,590	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	201,985

Distribution

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-6000	6000-10000	>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	\$ 2,047,500	\$ 1,143,919	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,191,420
aerial cable	103,618	57,891	-	-	-	-	-	-	-	161,509
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	3,319,848	1,389,346	-	-	-	-	-	-	-	4,709,194
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	202,245	83,817	-	-	-	-	-	-	-	286,062
terminal	144,344	133,697	-	-	-	-	-	-	-	278,042
drop	177,714	133,860	-	-	-	-	-	-	-	311,574
TOTAL	\$ 5,995,270	\$ 2,942,531	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,937,801
	67.08%	32.92%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 326,530	\$ 182,429	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	508,959
aerial cable	17,891	9,996	-	-	-	-	-	-	-	27,887
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	529,440	221,569	-	-	-	-	-	-	-	751,009
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	42,863	17,764	-	-	-	-	-	-	-	60,627
terminal	23,096	21,392	-	-	-	-	-	-	-	44,488
drop	28,435	21,418	-	-	-	-	-	-	-	49,854
TOTAL	\$ 968,255	\$ 474,568	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,442,823
Network Expenses										
buried cable	79,604	44,474	-	-	-	-	-	-	-	124,077
aerial cable	6,516	3,641	-	-	-	-	-	-	-	10,157
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	129,070	54,016	-	-	-	-	-	-	-	183,086
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	8,347	3,459	-	-	-	-	-	-	-	11,807
terminal	5,595	5,182	-	-	-	-	-	-	-	10,777
drop	6,888	5,188	-	-	-	-	-	-	-	12,077
TOTAL	\$ 236,020	\$ 115,960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	351,980
Summary										
Cost of Capital	\$ 968,255	\$ 474,568	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,442,823
Network Expense	236,020	115,960	-	-	-	-	-	-	-	351,980
TOTAL	\$ 1,204,275	\$ 590,528	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,794,804
Copper Feeder										
Distribution Investment										
buried cable	\$ 190,371	\$ 67,043	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	257,414
aerial cable	9,634	3,393	-	-	-	-	-	-	-	13,027
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	215,100	95,142	-	-	-	-	-	-	-	310,242
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	11,676	5,421	-	-	-	-	-	-	-	17,097
terminal	16,083	7,469	-	-	-	-	-	-	-	23,552
drop	19,413	9,238	-	-	-	-	-	-	-	28,651
TOTAL	\$ 462,278	\$ 187,706	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	649,983
	71.12%	28.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 30,360	\$ 10,692	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	41,052
aerial cable	1,663	586	-	-	-	-	-	-	-	2,249
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	34,304	15,173	-	-	-	-	-	-	-	49,477
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	2,475	1,149	-	-	-	-	-	-	-	3,623
terminal	2,573	1,195	-	-	-	-	-	-	-	3,768
drop	3,106	1,478	-	-	-	-	-	-	-	4,584
TOTAL	\$ 74,481	\$ 30,273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	104,754
Network Expenses										
buried cable	\$ 7,401	\$ 2,607	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,008
aerial cable	606	213	-	-	-	-	-	-	-	819

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	\$ 8,363	\$ 3,699	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,062
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	482	224	-	-	-	-	-	-	-	706
terminal	623	289	-	-	-	-	-	-	-	913
drop	752	358	-	-	-	-	-	-	-	1,111
TOTAL	\$ 18,228	\$ 7,390	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	25,618
Summary										
Cost of Capital	\$ 74,481	\$ 30,273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	104,754
Network Expense	18,228	7,390	-	-	-	-	-	-	-	25,618
TOTAL	\$ 92,709	\$ 37,663	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	130,372
	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	\$ 2,237,871	\$ 1,210,962	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,448,834
aerial cable	\$ 113,253	\$ 61,284	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	174,536
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 3,534,948	\$ 1,484,489	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,019,436
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 213,921	\$ 89,238	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	303,159
terminal	\$ 160,427	\$ 141,166	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	301,593
drop	\$ 197,127	\$ 143,098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	340,226
TOTAL	\$ 6,457,548	\$ 3,130,236	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,587,784
	67.35%	32.65%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 356,889	\$ 193,121	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	550,010
aerial cable	\$ 19,555	\$ 10,581	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,136
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 563,744	\$ 236,742	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	800,486
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 45,338	\$ 18,913	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	64,251
terminal	\$ 25,669	\$ 22,587	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	48,256
drop	\$ 31,541	\$ 22,896	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	54,438
TOTAL	\$ 1,042,736	\$ 504,841	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,547,577
Network Expenses										
buried cable	\$ 87,005	\$ 47,080	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	134,085
aerial cable	\$ 7,122	\$ 3,854	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,976
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 137,433	\$ 57,715	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	195,148
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 8,829	\$ 3,683	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,512
terminal	\$ 6,218	\$ 5,472	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,690
drop	\$ 7,641	\$ 5,547	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,187
TOTAL	\$ 254,248	\$ 123,350	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	377,598
Summary										
Cost of Capital	\$ 1,042,736	\$ 504,841	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,547,577
Network Expense	254,248	123,350	-	-	-	-	-	-	-	377,598
TOTAL	\$ 1,296,984	\$ 628,191	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,925,175
NID Cost										
NID Investment	\$ 53,691	\$ 41,226	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	94,918
Levelized Cost of Capital	\$ 8,591	\$ 6,596	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	15,187
Network Expenses	\$ 1,842	\$ 1,264	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,106
TOTAL	\$ 10,433	\$ 7,861	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	18,293

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	\$ 1,301,829	\$ 709,764	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,011,593
SAI Investment	25,450	14,200	-	-	-	-	-	-	-	39,650
										\$ -
TOTAL	\$ 1,327,279	\$ 723,964	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	2,051,243
	64.71%	35.29%								100.00%
Levelized Cost of Capital										
DLC	\$ 254,301	\$ 138,646	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	392,946
SAI	4,072	2,272	-	-	-	-	-	-	-	6,344
TOTAL	\$ 258,373	\$ 140,918	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	399,291
Network Expenses										
DLC	\$ 19,918	\$ 10,859	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,777
SAI	499	278	-	-	-	-	-	-	-	777
TOTAL	\$ 20,417	\$ 11,138	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	31,555
Summary										
Cost of Capital	\$ 258,373	\$ 140,918	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	399,291
Network Expense	20,417	11,138	-	-	-	-	-	-	-	31,555
TOTAL	\$ 278,790	\$ 152,056	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	430,845

	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	2,000	1,000	-	-	-	-	-	-	-	3,000
TOTAL	\$ 2,000	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,000
	66.67%	33.33%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
DLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI	320	160	-	-	-	-	-	-	-	480
TOTAL	\$ 320	\$ 160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	480
Network Expenses										
DLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI	39	20	-	-	-	-	-	-	-	59
TOTAL	\$ 39	\$ 20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	59
Summary										
Cost of Capital	\$ 320	\$ 160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	480
Network Expense	39	20	-	-	-	-	-	-	-	59
TOTAL	\$ 359	\$ 180	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	539

	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	\$ 1,301,829	\$ 709,764	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,011,593
SAI Investment	27,450	15,200	-	-	-	-	-	-	-	42,650
TOTAL	\$ 1,329,279	\$ 724,964	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,054,243
	64.71%	35.29%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	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	\$	254,301	\$	138,646	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	392,946
SAI		4,392		2,432		-		-		-		-		-		-		-	6,824
TOTAL	\$	258,693	\$	141,078	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	399,771
Network Expenses																			
DLC	\$	19,918	\$	10,859	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	30,777
SAI		538		298		-		-		-		-		-		-		-	836
TOTAL	\$	20,456	\$	11,157	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	31,613
Summary																			
Cost of Capital	\$	258,693	\$	141,078	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	399,771
Network Expense		20,456		11,157		-		-		-		-		-		-		-	31,613
TOTAL	\$	279,149	\$	152,235	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	431,384

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 Feeder										
Feeder Investment										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	2,928,405	744,147	-	-	-	-	-	-	-	3,672,552
fiber aerial cable	144,309	36,711	-	-	-	-	-	-	-	181,020
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	1,322,211	300,969	-	-	-	-	-	-	-	1,623,180
poles	113,363	31,571	-	-	-	-	-	-	-	144,934
TOTAL	\$ 4,508,288	\$ 1,113,398	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,621,686
	80.19%	19.81%	0.00%	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	452,797	115,062	-	-	-	-	-	-	-	567,859
fiber aerial cable	22,872	5,819	-	-	-	-	-	-	-	28,691
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	204,444	48,537	-	-	-	-	-	-	-	250,980
poles	24,026	6,691	-	-	-	-	-	-	-	30,717
TOTAL	\$ 704,139	\$ 174,108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 878,247
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	113,852	28,931	-	-	-	-	-	-	-	142,783
fiber aerial cable	9,075	2,309	-	-	-	-	-	-	-	11,384
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	51,405	11,701	-	-	-	-	-	-	-	63,107
poles	4,679	1,303	-	-	-	-	-	-	-	5,982
TOTAL	\$ 179,011	\$ 44,244	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 223,255
Summary										
Cost of Capital	\$ 704,139	\$ 174,108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 878,247
Network Expense	179,011	44,244	-	-	-	-	-	-	-	223,255
TOTAL	\$ 883,150	\$ 218,352	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,101,503
	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
Copper Feeder										
Feeder Investment										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	30,702	15,157	-	-	-	-	-	-	-	45,858
copper aerial cable	1,554	767	-	-	-	-	-	-	-	2,321
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	3,388	1,208	-	-	-	-	-	-	-	4,597
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	11,947	5,616	-	-	-	-	-	-	-	17,563
TOTAL	\$ 47,591	\$ 22,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,339
	67.66%	32.34%	0.00%	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	4,896	2,417	-	-	-	-	-	-	-	7,313
copper aerial cable	268	132	-	-	-	-	-	-	-	401
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	540	193	-	-	-	-	-	-	-	733

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	2,532	1,190	-	-	-	-	-	-	-	3,722
TOTAL	\$ 8,237	\$ 3,932	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,169
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	1,194	589	-	-	-	-	-	-	-	1,783
copper aerial cable	98	48	-	-	-	-	-	-	-	146
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	132	47	-	-	-	-	-	-	-	179
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	493	232	-	-	-	-	-	-	-	725
TOTAL	\$ 1,916	\$ 916	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,832
Summary										
Cost of Capital	\$ 8,237	\$ 3,932	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,169
Network Expense	1,916	916	-	-	-	-	-	-	-	2,832
TOTAL	\$ 10,153	\$ 4,849	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	15,002
	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	30,702	15,157	-	-	-	-	-	-	-	45,858
copper buried cable	1,554	767	-	-	-	-	-	-	-	2,321
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	2,928,405	744,147	-	-	-	-	-	-	-	3,672,552
fiber aerial cable	144,309	36,711	-	-	-	-	-	-	-	181,020
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	3,388	1,208	-	-	-	-	-	-	-	4,597
fiber buried placement	1,322,211	300,969	-	-	-	-	-	-	-	1,623,180
poles	125,310	37,187	-	-	-	-	-	-	-	162,497
TOTAL	\$ 4,555,879	\$ 1,136,146	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,692,025
	80.04%	19.96%	0.00%	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	4,896	2,417	-	-	-	-	-	-	-	7,313
copper aerial cable	268	132	-	-	-	-	-	-	-	401
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	452,797	115,062	-	-	-	-	-	-	-	567,859
fiber aerial cable	22,872	5,819	-	-	-	-	-	-	-	28,691
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	540	193	-	-	-	-	-	-	-	733
fiber buried placement	204,444	46,537	-	-	-	-	-	-	-	250,980
poles	26,558	7,881	-	-	-	-	-	-	-	34,439
TOTAL	\$ 712,376	\$ 178,041	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	890,417
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	1,194	589	-	-	-	-	-	-	-	1,783
copper aerial cable	98	48	-	-	-	-	-	-	-	146
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	113,852	28,931	-	-	-	-	-	-	-	142,783
fiber aerial cable	9,075	2,309	-	-	-	-	-	-	-	11,384
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	132	47	-	-	-	-	-	-	-	179
fiber buried placement	51,405	11,701	-	-	-	-	-	-	-	63,107
poles	5,172	1,535	-	-	-	-	-	-	-	6,707
TOTAL	\$ 180,927	\$ 45,160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	226,088
Summary										
Cost of Capital	\$ 712,376	\$ 178,041	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	890,417
Network Expense	180,927	45,160	-	-	-	-	-	-	-	226,088
TOTAL	\$ 893,304	\$ 223,201	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,116,505

End Office 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
EO Switching Investment										
end office switching	\$ 1,304,073	\$ 1,104,144	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,408,217
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	263,986	223,514	-	-	-	-	-	-	-	487,500
land	41,009	23,991	-	-	-	-	-	-	-	65,000
TOTAL	\$ 1,609,068	\$ 1,351,649	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,960,717
	54.35%	45.65%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
end office switching	\$ 211,021	\$ 178,669	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	389,691
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	39,876	33,762	-	-	-	-	-	-	-	73,638
land	6,900	4,037	-	-	-	-	-	-	-	10,936
TOTAL	\$ 257,797	\$ 216,468	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	474,265
Network Expenses										
end office switching	\$ 61,943	\$ 52,447	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	114,390
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	29,110	24,647	-	-	-	-	-	-	-	53,758
land	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 91,054	\$ 77,094	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	168,148
Summary										
Cost of Capital	\$ 257,797	\$ 216,468	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	474,265
Network Expense	91,054	77,094	-	-	-	-	-	-	-	168,148
TOTAL	\$ 348,851	\$ 293,563	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	642,414

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	\$ 4,777	\$ 4,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,823
SCP wire center	764	647	-	-	-	-	-	-	-	1,412
STP	10,510	8,899	-	-	-	-	-	-	-	19,410
signaling links	103,309	59,844	-	-	-	-	-	-	-	163,152
TOTAL	\$ 119,361	\$ 73,435	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	192,796
	61.91%	38.09%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
SCP	\$ 773	\$ 655	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,428
SCP wire center	115	98	-	-	-	-	-	-	-	213
STP	1,701	1,440	-	-	-	-	-	-	-	3,141
signaling links	16,530	9,575	-	-	-	-	-	-	-	26,105
TOTAL	\$ 19,119	\$ 11,768	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,887
Network Expenses										
SCP	\$ 227	\$ 192	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	419
SCP wire center	84	71	-	-	-	-	-	-	-	156
STP	499	423	-	-	-	-	-	-	-	922
signaling links	4,004	2,320	-	-	-	-	-	-	-	6,324
TOTAL	\$ 4,815	\$ 3,006	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,820
Summary										
Cost of Capital	\$ 19,119	\$ 11,768	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,887
Network Expense	4,815	3,006	-	-	-	-	-	-	-	7,820
TOTAL	\$ 23,934	\$ 14,773	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	38,707

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	66,854	109,658	-	-	-	-	-	-	-	176,512
aerial cable	2,009	3,315	-	-	-	-	-	-	-	5,324
poles	1,347	2,125	-	-	-	-	-	-	-	3,472
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 70,210	\$ 115,097	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	185,307
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	10,337	16,956	-	-	-	-	-	-	-	27,293
aerial cable	318	525	-	-	-	-	-	-	-	844
poles	286	450	-	-	-	-	-	-	-	736
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 10,941	\$ 17,931	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	28,872
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	2,599	4,263	-	-	-	-	-	-	-	6,862
aerial cable	126	208	-	-	-	-	-	-	-	335
poles	56	88	-	-	-	-	-	-	-	143
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 2,781	\$ 4,559	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,341
Summary										
Cost of Capital	\$ 10,941	\$ 17,931	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	28,872
Network Expense	2,781	4,559	-	-	-	-	-	-	-	7,341
TOTAL	\$ 13,722	\$ 22,491	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36,213
Transmission Terminal										
investment	\$ 57,127	\$ 96,277	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	153,405
levelized cost of capital	11,159	18,807	-	-	-	-	-	-	-	29,966
network expenses	874	1,473	-	-	-	-	-	-	-	2,347
TOTAL	\$ 12,033	\$ 20,280	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	32,313

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	403,994	241,919	-	-	-	-	-	-	-	645,913
aerial cable	12,160	7,209	-	-	-	-	-	-	-	19,369
poles	8,053	4,125	-	-	-	-	-	-	-	12,179
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 424,208	\$ 253,253	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	677,460
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	62,467	37,406	-	-	-	-	-	-	-	99,873
aerial cable	1,927	1,143	-	-	-	-	-	-	-	3,070
poles	1,707	874	-	-	-	-	-	-	-	2,581
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 66,101	\$ 39,423	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	105,524
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	15,707	9,405	-	-	-	-	-	-	-	25,112
aerial cable	765	453	-	-	-	-	-	-	-	1,218
poles	332	170	-	-	-	-	-	-	-	503
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 16,804	\$ 10,029	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	26,833
Summary										
Cost of Capital	\$ 66,101	\$ 39,423	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	105,524
Network Expense	16,804	10,029	-	-	-	-	-	-	-	26,833
TOTAL	\$ 82,904	\$ 49,452	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	132,356
Transmission Terminal										
investment	\$ 128,454	\$ 72,578	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	201,032
levelized cost of capital	25,092	14,177	-	-	-	-	-	-	-	39,270
network expenses	1,965	1,110	-	-	-	-	-	-	-	3,076
TOTAL	\$ 27,058	\$ 15,288	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	42,346

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	889,827	503,130	-	-	-	-	-	-	-	1,392,958
aerial cable	26,689	15,037	-	-	-	-	-	-	-	41,725
poles	17,807	8,728	-	-	-	-	-	-	-	26,536
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 934,324	\$ 526,895	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,461,219
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	137,587	77,795	-	-	-	-	-	-	-	215,383
aerial cable	4,230	2,383	-	-	-	-	-	-	-	6,613
poles	3,774	1,850	-	-	-	-	-	-	-	5,624
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 145,591	\$ 82,028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	227,620
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	34,595	19,561	-	-	-	-	-	-	-	54,156
aerial cable	1,678	946	-	-	-	-	-	-	-	2,624
poles	735	360	-	-	-	-	-	-	-	1,095
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 37,008	\$ 20,867	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	57,875
Summary										
Cost of Capital	\$ 145,591	\$ 82,028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	227,620
Network Expense	37,008	20,867	-	-	-	-	-	-	-	57,875
TOTAL	\$ 182,600	\$ 102,895	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	285,495
Transmission Terminal										
investment	\$ 332,233	\$ 170,218	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	502,451
levelized cost of capital	64,899	33,251	-	-	-	-	-	-	-	98,149
network expenses	5,083	2,604	-	-	-	-	-	-	-	7,687
TOTAL	\$ 69,982	\$ 35,855	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	105,837

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	\$ 3,631	\$ 3,074	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,705
wire center	4,777	4,045	-	-	-	-	-	-	-	8,823
TOTAL	\$ 8,408	\$ 7,119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	15,528
Levelized Cost of Capital										
tandem switching	\$ 588	\$ 497	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,085
wire center	722	611	-	-	-	-	-	-	-	1,333
TOTAL	\$ 1,309	\$ 1,108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,418
Network Expenses										
tandem switching	\$ 172	\$ 146	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	318
wire center	527	446	-	-	-	-	-	-	-	973
TOTAL	\$ 699	\$ 592	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,291
Summary										
Cost of Capital	\$ 1,309	\$ 1,108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,418
Network Expense	699	592	-	-	-	-	-	-	-	1,291
TOTAL	\$ 2,008	\$ 1,701	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,709

Operator Services

	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
Operator Investment										
OS Tandem Switching	\$ 1,529	\$ 1,294	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,823
OS Tandem Wire Center	1,911	1,618	-	-	-	-	-	-	-	3,529
OS Trunks	176,980	101,166	-	-	-	-	-	-	-	278,145
OS Position	2,780	2,354	-	-	-	-	-	-	-	5,134
TOTAL	\$ 183,200	\$ 106,432	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	289,632
Levelized Cost of Capital										
OS Tandem Switching	\$ 247	\$ 209	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	457
OS Tandem Wire Center	289	244	-	-	-	-	-	-	-	533
OS Trunks	27388.9241	15656.1339	0	0	0	0	0	0	0	43,045
OS Position	673	570	-	-	-	-	-	-	-	1,243
TOTAL	\$ 28,598	\$ 16,680	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	45,278
Network Expenses										
OS Tandem Switching	\$ 73	\$ 61	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	134
OS Tandem Wire Center	211	178	-	-	-	-	-	-	-	389
OS Trunks	6,860	3,921	-	-	-	-	-	-	-	10,781
OS Position	188	159	-	-	-	-	-	-	-	347
Operator Wages	4,898	4,147	-	-	-	-	-	-	-	9,045
TOTAL	\$ 12,229	\$ 8,467	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	20,696
Summary										
Cost of Capital	\$ 28,598	\$ 16,680	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	45,278
Network Expense	12,229	8,467	-	-	-	-	-	-	-	20,696
TOTAL	\$ 40,827	\$ 25,147	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	65,973

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	\$	-	\$	15,139	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	15,139
		0.00%		100.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	100.00%
Levelized Cost of Capital	\$	-	\$	3,096	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	3,096
Network Expenses	\$	-	\$	2,848	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	2,848
Summary																			
Cost of Capital	\$	-	\$	3,096	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	3,096
Network Expense		-		2,848		-		-		-		-		-		-		-	2,848
TOTAL	\$	-	\$	5,944	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	5,944

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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	
FunG-Fact	0.15085	0.15069	0.15063	0.15067	0.15077	0.15089	0.15102	0.15115	0.15128	0.15141	0.15154	0.15167	0.15180	0.15193	0.15206	0.15219	0.15232	0.15245	0.15258	0.15271	0.15284	0.15297	0.15310	0.15323	0.15336	0.15349	0.15362	0.15375	0.15388	0.15401	0.15414	0.15427	0.15440	0.15453
COE																																		
COE																																		
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	0.14769	0.14802	0.14834	0.14864	0.14893	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	0.15167	0.15182	0.15197	0.15212	0.15224	0.15236	
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	0.14853	0.14874	0.14895	0.14916	0.14937	0.14958	0.14979	0.14999	
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	0.14290	0.14324	0.14357	0.14388	0.14419	0.14448	0.14477	0.14506	0.14535	0.14564	0.14593	0.14622	0.14650	0.14678	0.14706	0.14734	0.14761	0.14789	
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	0.14393	0.14421	0.14449	0.14476	0.14504	
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	0.11667	0.11748	0.11823	0.11893	0.11958	0.12018	0.12076	0.12132	0.12187	0.12240	0.12291	0.12340	0.12387	0.12433	0.12478	0.12522	0.12565	0.12607	0.12648	0.12688	0.12727	0.12765	0.12803	0.12840	0.12876	0.12911	0.12946	0.12981	0.13016	
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	0.11919	0.12003	0.12083	0.12160	0.12234	0.12305	0.12374	0.12440	0.12505	0.12569	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	0.10406	0.10534	0.10657	0.10776	0.10891	0.11000	0.11105	0.11205																			

Depreciated life	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
CCFAct	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	0.12660	0.12709	0.12756	0.12802	0.12837	0.12870	0.12902	0.12934	0.12964	0.12994	0.13024	0.13054	0.13084	0.13109
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	0.12201
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	0.09552	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	Green Hills Telephone Corp	

May 4, 2006
4:03 PM

Cost of Capital Inputs

Cost of Debt	8.80%
Debt fraction	44.20%
Cost of Equity	13.19%
Equity fraction	
Weighted equity fraction	
Overall Cost of Capital	

55.80%
65.42%
11.25%

Traffic Inputs

local DEMs, thousands	40,875		
intrastate DEMs, thousands	8,727		
interstate DEMs, thousands	8,617		
Local call completion fraction	70.00%		
Total local calls attempted	9,262		
Total intraLATA calls completed	554		
Total interLATA calls completed - intrastate	558		
Total interLATA calls completed - interstate	1,186		
local DEM fraction	68.21%		
local interoffice traffic fraction	12.04%		
D link investment, per link	\$ -		
Bus/Res DEMs ratio (local, state, interstate)	110%		
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	26		
Average trunk utilization	30.00%		

58,219 total DEMs, thousands
6,483 Total local calls completed

200% 300%

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

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	\$ 176,857
2421-nm	Aerial Cable - Non-Metall	22.24	-0.1753	18.92	\$ 222,746
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	\$ 3,494,692
2423-nm	Buried - Non-Metallic	23.86	-0.0858	21.97	\$ 5,887,934
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	\$ 3,671,549
Average Non-Metallic Cable (calculated)				21.85	\$ 6,110,680

\$ 12,990
\$ 11,771
\$ -
\$ -
\$ 190,347
\$ 267,943

\$ 203,337
\$ 279,714

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	8,727,000	
Interstate Toll DEMs	8,617,000	
trunk port usage	100,243,196	
trk-min/mo	10,044	
interLATA ded. trunks	144	
Common Transport MOU		
Local	95,584	w/o OS usage
Intrastate Toll	8,727,000	
Interstate Toll	8,617,000	
	17,439,584	
Intrastate IntraLATA Calls	554	49.82% SOCCC message counts
Intrastate InterLATA Calls	558	50.18%
	1,112	

Calculation of EO Usage

Local DEMs, incl OS	40,875,000	70.2% of total DEMs
Intraoffice Local DEMs	35,955,645	
Intraoffice Local Actual Min	17,977,823	
Interoffice Local Actual Min	4,919,355	per end
Intrastate Toll Actual Min	8,727,000	
Interstate Toll Actual Min	<u>8,617,000</u>	
	40,241,177	
Tandem Switch MOU		
Local	47,792	Dedicated Trunk-SW
IntraLATA Toll	2,173,902	163
InterLATA Toll	<u>12,996,196</u>	
	15,217,890	

TRANSFORMED REGULATED		1995 COMPANY NAME:	ICO	
		OTHER TAXES & UNCOLLECTIBLES CALCULATION	EXPENSES	NET REVENUES
		7230 OPERATING STATE & LOCAL INCOME TAX-NET	23	
		7240 OPERATING OTHER TAXES	95	
		5300 UNCOLLECTIBLE REVENUES		36
		530 NET REVENUES		2,290
		GROSS REVENUES (5300 + 530)		2,326
		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		31
		2121 BUILDINGS		454
6121	2121	TOTAL LAND & BUILDINGS	50	486
				0.103180
6112	2112	2112 MOTOR VEHICLES	3	79
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	61
6122	2122	2122 FURNITURE	4	30
6123	2123	2123 OFFICE EQUIPMENT	8	76
6124	2124	2124 GENERAL PRUPOSE COMPUTERS	75	118
6120	2110	2110 TOTAL LAND & SUPPORT ASSETS	137	855
				0.15965268
		TPIS - CENTRAL OFFICE SWITCHING		
		-		
6211	2211	2211 ANALOG ELECT SWITCH	2	50
6212	2212	2212 DIGITAL ELECTRONIC SWITCHING	85	1,496
6220	2220	2220 OPERATOR SYSTEMS	2	23
6210	2210	22102210221022102210 CENTRAL OFFICE SWITCH	89	1,569
		TPIS - CENTRAL OFFICE TRANSMISSION		
		-		
6232	2232	2232 CIRCUIT EQUIPMENT	17	1,031
6230	2230	2230 TRANSMISSION	18	1,078
				0.016263483
		TPIS - INFORMATION ORIG/TERM		
		-		
6311	2311	2311 STATION APPARATUS	0	1
				0.382353
		2321 CUSTOMER PREMISES WIRING	0	0
6341	2341	2341 LARGE PRIVATE BRANCH EXCHANGE	0	0
				4.500000
6351	2351	2351 PUBLIC TEL TERMINAL EQUIPMENT	6	33
6362	2362	2362 OTHER TERMINAL EQUIPMENT	10	56
6310	2310	2310 TOTAL INFORMATION ORIG/TERM	16	90
				0.182377792
		TPIS - CABLE & WIRE FACILITIES		
		-		
6411	2411	2411 POLES	7	178
6421	2421	2421 AERIAL CABLE	53	837
6422	2422	2422 UNDERGROUND CABLE	10	533
6423	2423	2423 BURIED CABLE	58	1,482
6441	2441	2441 CONDUIT SYSTEMS	1	302
6410	2410	2410 TOTAL CABLE & WIRE FACILITIES	131	3,368
				0.038842
		240 TOTAL TPIS(BEFORE AMORTIZABLE ASSETS) (2110+2210+2220+2230+2310+2410)	260	7,012
				0.037062996
		PLANT NON-SPECIFIC OPERATIONS EXPENSES	A. EXPENSES	B. TPIS INVESTMENT
		=	=	C. EXP/INV (A/B)
6512	240	6512 PROVISIONING EXPENSES	2	7,012
				0.000300
6531	240	6531 POWER EXPENSES	11	7,012
6532	240	6532 NETWORK ADMINISTRATION	29	7,012
6533	240	6533 TESTING	30	7,012
6534	240	6534 PLANT OPERATIONS ADMINISTRATION	45	7,012
6535	240	6535 ENGINEERING	24	7,012
6540	240	6540 ACCESS EXPENSE	39	7,012
6530	240	6530 TOTAL NETWORK OPERATIONS EXPENSES	138	7,012
6561	240	6561 DEPRECIATION - TPIS	489	7,012
		65616561656165616561 DEPRECIATION - TPIS	489	7,012
		NETWORK SUPPORT FACTOR CALCULATION	A. EXPENSES	B. CABLE & WIRE INV
		=	=	C. EXP/INV (A/B)
6112		2112 MOTOR VEHICLES	3	
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)	4	3,368
				0.001041087
		CUSTOMER OPERATIONS EXPENSES	A. EXPENSES	B. NET REVENUES
		=	=	C. EXP/NET REV (A/B)
6611		6611 PRODUCT MANAGEMENT	20	CALC
6612		6612 SALES	37	CALC
6613		6613 PRODUCT ADVERTISING	13	CALC
6610		6610 TOTAL MARKETING EXPENSES	70	CALC
6621		6621 CALL COMPLETION SERVICE	16	CALC
6622		6622 NUMBER SERVICES	38	CALC
6623		6623 CUSTOMER SERVICES	126	CALC

6620	6620 TOTAL SERVICES EXPENSES	180	CALC
-	700 TOTAL CUSTOMER OPERATIONS EXPENSE (6610 + 6620)	250	CALC
	CORPORATE OPERATIONS EXPENSES	A. EXPENSES	B. REVENUES
			C. EXP/REV (A/B)
6711	6711 EXECUTIVE	9	CALC
6712	6712 PLANNING	5	CALC
6710	6710 TOTAL EXECUTIVE & PLANNING	14	CALC
6721	6721 ACCOUNTING & FINANCE	28	CALC
6722	6722 EXTERNAL RELATIONS	17	CALC
6723	6723 HUMAN RESOURCES	20	CALC
6724	6724 INFORMATION MANAGEMENT	78	CALC
6725	6725 LEGAL	7	CALC
6726	6726 PROCUREMENT	4	CALC
6727	6727 RESEARCH & DEVELOPMENT	5	CALC
6728	6728 OTHER GENERAL & ADMINISTRATIVE	67	CALC
6720	6720 TOTAL GENERAL & ADMINISTRATIVE	226	CALC
	710 TOTAL CORPORATE OPERATIONS EXPENSE (6710 + 6720 + 6730)	297	CALC
	720 TOTAL OPERATING EXPENSES		CALC
	DEM - LOCAL	40,876	
	DEM - INTRASTATE	8,728	
	DEM - INTERSTATE	8,617	
	MESSAGES - INTRALATA	555	
	MESSAGES - INTERLATA - interstate	1,186	
	MESSAGES - INTERLATA - intrastate	558,043,984	
4308 (EC)	LOCAL CALL ATTEMPTS	9,262	
	LINES - BUSINESS	899	
	RESIDENTIAL	2,437	
	PUBLIC	28	
	SPECIAL	223	
	TOTAL	3,593	
	5081 END USER		152
	5082 SWITCHED ACCESS		341
	5083 SPECIAL ACCESS		63
	TOTAL INTER ACCESS		557
	5084 END USER		
	5084 SWITCHED ACCESS		
	5084 SPECIAL ACCESS		
	STATE ACCESS		287
	TOTAL ACCESS REVENUES		843
	LD MESSAGE REVENUE		
	5100 INTERSTATE MESSAGE		
	5100 INTRASTATE MESSAGE		
	5100 INTERSTATE CALLING PLAN		
	5100 INTRASTATE CALLING PLAN		
	LD MSG REV (CLASS A)		241
	UNIDIRECTIONAL LD		
	5110 INTERSTATE		
	INTRASTATE		
	TOTAL		9
	5120 LD PRIVATE NETWORK		20
	OTHER LD		
	5160 INTERSTATE		
	INTRASTATE		
	TOTAL		3
	TOTAL LD NETWORK REVENUE		
	INTERSTATE		
	INTRASTATE		
	TOTAL		273
	BASIC LOCAL SERVICE		
	5001 BASIC AREA		742
	5002 OPTIONAL EXTEND AREA		23
	5003 CELLAR MOBIL		18
	5004 OTHER MOBIL SVC		1
	TOTAL BASIC SVC		784
	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				22	
	5040 LOCAL PRIVATE LINE				26	
	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				183	
	TOTAL LOCAL NETWORK SRVC REVENUE INTERSTATE INTRASTATE				1015.778321	
	TOTAL REVENUE				2132.259806	
	CAPITAL STRUCTURE PARAMETERS DEBT/EQUITY RATIO COST OF DEBT COST OF EQUITY					
		BALANCE SHEET 43-02, B-1 AVG=(ab+af)/2 A	ACCRUEL 43-02, B-5 (col 2C) B	DEPR LIFE (ASSUMING STRAIGHT LIFE) 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 Lcl Svc	4303.Ln 520				1015.803053
	LD Ntwk Svs Rev	4303.Ln 525				275.4533607
	End User	4303.Ln 5081				152.4319933
	Sw Acc	4303.Ln 5082				341.2815122
	Spcl Acc	4303.Ln 5083				62.8043754
	St Acc	4303.Ln 5084				286.6705947
	Uncoll Rev	4303.Ln 5300				36.12825361
	Tot Acc	4304.Ln4040 (P)				2.994652449
	B&C	4304.Ln4040 (Q)				0.294125906
	IX	4304.Ln4040 (R)				0.010632449
	Ln4040 (P+Q+R)	Calc (P+Q+R)				3.299410805
Uncoll -Acc	5300-(4040p..r)	1a				32.82884281
End User+ Rievs	5081+520+525	1b				1443.688407
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	\$ 31	\$ -	-	
2112 Motor Vehicles	\$ 79	\$ 3	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	\$ 61	\$ 1	0.0113	
2121 Buildings	\$ 454	\$ 50	0.1103	Land & Bldg Exp Applied to Bldgs
2122 Furniture	\$ 30	\$ 4	0.1224	
2123 Office Equipment	\$ 76	\$ 8	0.1015	
2124 General Purpose Computers	\$ 118	\$ 75	0.6381	
2110 Total Land & Support Assets	\$ 855	\$ 141	0.1650	
TPIS - Central Office Switching				
2211 Analog Electronic Switching	\$ 50	\$ 2	0.0453	
2212 Digital Electronic Switching	\$ 1,496	\$ 85	0.0569	4.75% NET CO Switch Factor
2210 Total Central Office Switching	\$ 1,546	\$ 87	0.0565	
2220 Operator Systems	\$ 23	\$ 2	0.0675	
TPIS - Central Office Transmission				
2231 Satellite & Earth Station Facilities				
2231 Other Radio Facilities				
2231 Radio Systems				
2232 Circuit Equipment	\$ 1,031	\$ 17	0.0163	1.53% alternative factor
2230 Total Central Office Transmission	\$ 1,031	\$ 17	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	\$ 33	\$ 6	0.1881	
2362 Other Terminal Equipment	\$ 56	\$ 10	0.1763	
2310 Total Information Orig/Term	\$ 90	\$ 16	0.1824	
TPIS - Cable & Wire Facilities				
2411 Poles	\$ 178	\$ 7	0.0413	
2421 Aerial Cable	\$ 837	\$ 53	0.0629	0.0629
2422 Underground Cable	\$ 533	\$ 10	0.0196	0.0196
2423 Buried Cable	\$ 1,482	\$ 58	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	\$ 302	\$ 1	0.0037	
2410 Total Cable & Wire Facilities	\$ 3,333	\$ 129	0.0388	
240 Total TPIS (before amortizable assets)	\$ 6,021	\$ 392	0.0652	
Plant Non-Specific Operations Expenses				
	Expenses	Investment	Factor	
6512 Provisioning Expenses	\$ 2	\$ 6,021	0.0003	
6531 Power Expenses	\$ 11	\$ 6,021	0.0019	8.10% all
6532 Network Administration	\$ 29	\$ 6,021	0.0048	20.47% switching, interoffice
6533 Testing	\$ 30	\$ 6,021	0.0050	21.22% all
6534 Plant Operations Administration	\$ 45	\$ 6,021	0.0074	31.89% all
6535 Engineering	\$ 24	\$ 6,021	0.0039	16.83% all
6540 Access Expense				
6530 Total Network Operations Expenses (includes provisioning)	\$ 141	\$ 6,021	0.0233	per line network operations
Network Support Factor Calculation				(=total ARMIS 6530/total lines)
	Expenses	Cable & Wire Inv	Factor	total lines (from net. invest. inputs)
6112 Motor Vehicles	\$ 3			3,593
6113 Aircraft	\$ 1			
6114 Special Purpose Vehicles	\$ 0			
6115 Garage Work Equipment	\$ 0			
6116 Other Work Equipment	\$ 1			
Aircraft & Special Purpose Vehicles	\$ 4	\$ 3,333	0.0011	\$ 39.11
annual net ops per line				

Customer Operations Expenses

	Expenses		Net Revenues		Factor		
6611 Product Management *	\$	20	\$	0.4638	\$	1,202	0.0166
6612 Sales *	\$	37	\$	0.8522	\$	1,202	0.0306
6613 Product Advertising	\$	13			\$	1,202	0.0110
6610 Total Marketing Expenses	\$	70					0.0582
6621 Call Completion Service	\$	16			\$	1,202	0.0131
6622 Number Services	\$	38	\$	0.8863	\$	1,202	0.0318
6623 Customer Services	\$	126	\$	2.9168	\$	1,202	0.1046
6620 Total Services Expenses	\$	180	\$	4.23			0.1495
Billing/bill inquiry (per line/month)	\$	2.30					
Directory listing (per line/month)		-					
700 Total Customer Operations Expenses	\$	249.70			\$	1,202	0.2078
							0.2442

Corporate Operations Expenses

Corporate Operations Expense		Expenses	Revenues	Factor		
6711 Executive	\$	9	\$	1,202	0.0079	
6712 Planning	\$	5	\$	1,202	0.0039	
6710 Total Executive & Planning	\$	14	\$	1,202	0.0117	
6721 Accounting & Finance	\$	28	\$	1,202	0.0237	
6722 External Relations	\$	17	\$	1,202	0.0144	
6723 Human Resources	\$	20	\$	1,202	0.0171	
6724 Information Management	\$	78	\$	1,202	0.0653	
6725 Legal	\$	7	\$	1,202	0.0055	
6726 Procurement	\$	4	\$	1,202	0.0030	
6727 Research & Development	\$	5	\$	1,202	0.0038	
6728 Other General & Administrative	\$	67	\$	1,202	0.0554	
6720 Total General & Administrative	\$	226	\$	1,202	0.1880	
710 Total Corporate Operations Expense	\$	240	\$	1,202	0.1040	0.2347
720 Total Operating Expenses	\$	1,023				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	\$ 30	\$ 76	\$ 118	\$ 79	\$ 227	\$ 2	\$ 61
Investment/TPIS	0.005	0.013	0.020	0.013	0.038	0.000	0.010
Expense	\$ 4	\$ 8	\$ 75	\$ 3	\$ 25	\$ 0	\$ 1
Expense Factor	0.122	0.101	0.638	0.035	0.110	0.035	0.011
Model TPIS	\$ 24,084	\$ 24,084	\$ 24,084	\$ 24,084	\$ 24,084	\$ 24,084	\$ 24,084
Calculated Investment	\$ 120	\$ 306	\$ 470	\$ 315	\$ 909	\$ 9	\$ 245
Calculated Expense	\$ 15	\$ 31	\$ 300	\$ 11	\$ 100	\$ 0	\$ 3
Subtotal (\$s)	\$ 203,156						
Total Misc Expense	\$ 203,156						

Other Taxes & Uncollectibles Calculation

	Expenses		Net Revenues		Factor
7230 Operating State & Local Income Tax	\$	23	\$	(116)	
7240 Operating Other Taxes	\$	95	\$	(116)	0.0500
5300 Uncollectible Revenues	\$	36	\$	1,202	0.0301
retail					0.0227
wholesale					0.0043
Ratio of Net Plant to TPIS					
TPIS	\$	6,021			
Net Plant	\$	6,021			
Ratio	\$	1			
Model Investment	\$	-			
Model % of Net Plant	\$	-			
Model % of TPIS		0%			

Actual 1996 Revenue

		% of total
Interstate Access		
5081 End User	\$ 152	8.26%
5082 Switched Access	\$ 341	18.49%
5083 Special Access	\$ 63	3.40%
Total Inter Access	\$ 557	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	\$ 557	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	\$ 241	13.08%
Unidirectional LD Revenue		
5110 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 9	0.48%
LD Private Network Revenue		
5120 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 20	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	\$ 273	14.81%

Basic Local Service		
5001 Basic Area	\$ 742	40.21%
5002 Optional Extended Area	\$ 23	1.23%
5003 Cellular Mobile	\$ 18	0.95%
5004 Other Mobile Svcs	\$ 1	0.08%
Total Basic Local Service	\$ 784	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	\$ 22	1.18%
Local Private Line Revenue		
5040 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total Private Line	\$ 26	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	\$ 183	9.89%
Total Local Network Service Revenue		
Interstate	\$ -	0.00%
Intrastate	\$ 1,016	55.04%
Total Revenue	\$ 1,846	100.00%

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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\HMWKMO4218901.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

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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 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

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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	9,262	9,262	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	554	554	Distribution Buried Shring Fraction - 100	1.00	1.00
InterLATA intrastate Calls Completed	558	558	Distribution Buried Shring Fraction - 200	1.00	1.00
InterLATA interstate Calls Completed	1,186	1,186	Distribution Buried Shring Fraction - 650	1.00	1.00
Local DEMs, thousands	40,875	40,875	Distribution Buried Shring Fraction - 850	1.00	1.00
Intrastate DEMs, thousands	8,727	8,727	Distribution Buried Shring Fraction - 2550	1.00	1.00
Interstate DEMs, thousands	8,617	8,617	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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Switching Input	Current Scenario		Expense Input	Current Scenario	
	Value	Default Scenario Value		Value	Default Scenario Value