

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	525	-	525	-	-	-	517	\$	-	\$	-	\$	487,927	\$	24,285	\$	-	\$	-	\$	159,562						
5	DLC	627	-	627	-	-	-	613	\$	-	\$	-	\$	668,984	\$	32,836	\$	-	\$	-	\$	103,072						
100	DLC	2,082	731	1,209	119	22	-	1,171	\$	-	\$	-	\$	27,227	\$	1,270	\$	-	\$	-	\$	391,246						
200	DLC																											
650	DLC																											
850	DLC																											
2550	DLC																											
5000	DLC																											
10000	DLC																											
0	non-DLC																											
5	non-DLC																											
100	non-DLC																											
200	non-DLC																											
650	non-DLC																											
850	non-DLC																											
2550	non-DLC																											
5000	non-DLC																											
10000	non-DLC																											
Totals/Avg		3,234	731	2,362	119	22	-	2,301	\$	-	\$	-	\$	-	\$	1,184,139	\$	58,391	\$	-	\$	-	\$	-	\$	-	\$	653,880

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	\$ 17,374	\$ -	\$ 578,720	\$ 29,287	\$ -	\$ -	\$ 840,263	\$ 44,179	0.00%	26.62%	0.00%	\$ 256,739	\$ 7,250	\$ 44,070	\$ 55,486	\$ 15,024	125,889
5	DLC	\$ 10,502	\$ -	\$ 507,143	\$ 25,665	\$ -	\$ -	\$ 900,081	\$ 49,702	0.00%	36.40%	0.00%	\$ 293,400	\$ 8,400	\$ 52,675	\$ 65,826	\$ 17,843	237,389
100	DLC																	
200	DLC	\$ 38,771	\$ -	\$ 1,151,217	\$ 58,260	\$ -	\$ -	\$ 735,306	\$ 40,498	0.00%	39.75%	0.00%	\$ 367,731	\$ 12,000	\$ 87,417	\$ 101,295	\$ 46,981	16,299
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non-DLC																	
5	non-DLC																	
100	non-DLC																	
200	non-DLC																	
650	non-DLC																	
850	non-DLC																	
2550	non-DLC																	
5000	non-DLC																	
10000	non-DLC																	
Totals/Avg		\$ 66,648	\$ -	\$ 2,237,080	\$ 113,213	\$ -	\$ -	\$ 2,475,650	\$ 134,378				\$ 917,870	\$ 27,650	\$ 184,161	\$ 222,607	\$ 79,848	379,577

density zone (lines/sq. m)		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		416,425	525 \$	195,338 \$	-	32,241 \$	6,721 \$	997 \$	1,312 \$	420 \$	525 \$	14,224 \$	778	\$	77,025 \$	2,231 \$	1,595 \$	-
5	DLC		446,070	627 \$	272,269 \$	-	43,438 \$	7,146 \$	1,192 \$	1,569 \$	502 \$	627 \$	7,182 \$	930	\$	46,682 \$	1,362 \$	949 \$	-
100	DLC																		
200	DLC		336,269	2,082 \$	819,591 \$	-	131,821 \$	21,132 \$	3,729 \$	4,906 \$	1,570 \$	1,963 \$	19,888 \$	2,909	\$	138,280 \$	3,986 \$	2,811 \$	-
650	DLC																		
850	DLC																		
2550	DLC																		
5000	DLC																		
10000	DLC																		
0	non-DLC																		
5	non-DLC																		
100	non-DLC																		
200	non-DLC																		
650	non-DLC																		
850	non-DLC																		
2550	non-DLC																		
5000	non-DLC																		
10000	non-DLC																		
Totals/Avgs			1,198,764	3,234 \$	1,287,199 \$	-	207,500 \$	35,000 \$	5,918 \$	7,787 \$	2,492 \$	3,115 \$	41,294 \$	4,616 \$	-	261,986 \$	7,579 \$	5,355 \$	-

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		\$ 21,905		\$ 32,158	\$ 933	\$ 666	\$ -		\$ 8,152		\$ 14,849	\$ 415	\$ 303	\$ -		\$ 12,808	7
5	DLC		\$ 39,477		\$ 15,167	\$ 444	\$ 308	\$ -		\$ 12,699		\$ 18,617	\$ 516	\$ 378	\$ -		\$ 19,029	6
100	DLC																	
200	DLC		\$ 122,647		\$ 43,862	\$ 1,268	\$ 892	\$ -		\$ 38,458		\$ 82,668	\$ 2,287	\$ 1,678	\$ -		\$ 84,847	19
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non-DLC																	
5	non-DLC																	
100	non-DLC																	
200	non-DLC																	
650	non-DLC																	
850	non-DLC																	
2550	non-DLC																	
5000	non-DLC																	
10000	non-DLC																	
Totals/Avg		\$ -	\$ 184,030	\$ -	\$ 91,188	\$ 2,645	\$ 1,867	\$ -	\$ -	\$ 59,309	\$ -	\$ 116,135	\$ 3,217	\$ 2,359	\$ -	\$ -	\$ 116,684	31

HA																Total Investment
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		
0	DLC	2	1	10	14	21	5	1,312 \$	210 \$	2,887 \$	6,899 \$	1,914	8,002,203	-	2,998,987	
5	DLC	1	0	9	20	21	4	1,569 \$	251 \$	3,451 \$	2,080 \$	2,894	9,564,688	-	3,236,859	
100	DLC														-	
200	DLC	4	1	29	89	72	12	4,906 \$	785 \$	10,794 \$	5,616 \$	11,868	18,433,339	16,411,769	4,624,382	
650	DLC														-	
850	DLC														-	
2550	DLC														-	
5000	DLC														-	
10000	DLC														-	
0	non-DLC														-	
5	non-DLC														-	
100	non-DLC														-	
200	non-DLC														-	
650	non-DLC														-	
850	non-DLC														-	
2550	non-DLC														-	
5000	non-DLC														-	
10000	non-DLC														-	
Totals/Avg		8	3	47	122	114	21	7,787 \$	1,246 \$	17,132 \$	14,595 \$	16,676	36,000,231	16,411,769	10,860,227	

Universal Service Calculation Sheet - monthly costs per line

Missouri
Mcdonald County Telephone Co

	0 - 5 lines/sq mi	5 - 100 lines/sq mi	100 - 200 lines/sq mi	200 - 650 lines/sq mi	650 - 850 lines/sq mi	850 - 2,550 lines/sq mi	2,550 - 5,000 lines/sq mi	5,000 - 10,000 lines/sq mi	> 10,000 lines/sq mi	Weighted Average
Local network costs										
Loop	\$ 109.42	\$ 97.75	\$ -	\$ 32.63	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 58.69
Port	3.74	3.74	-	3.74	-	-	-	-	-	3.74
End office usage	4.96	4.96	-	4.96	-	-	-	-	-	4.96
Signaling	0.06	0.06	-	0.06	-	-	-	-	-	0.06
Transport	1.19	1.19	-	1.19	-	-	-	-	-	1.19
Local retail costs										
Billing/bill inquiries	\$ 2.74	\$ 2.74	\$ -	\$ 2.74	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.74
Directory listing	-	-	-	-	-	-	-	-	-	-
LNP expense (when available)	0.30	0.30	-	0.30	-	-	-	-	-	0.30
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Basic Local Service										
Avg monthly cost per line	\$ 122.41	\$ 110.74	\$ -	\$ 45.61	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 71.67
@ Residence usage per line	\$ 122.19	\$ 110.52	\$ -	\$ 45.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 79.77
@ Business usage per line	\$ 123.09	\$ 111.43	\$ -	\$ 46.30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 46.30
Total switched lines	525	627	-	1,963	-	-	-	-	-	3,115
Primary residence lines	517	613	-	1,171	-	-	-	-	-	2,301
Secondary residence lines	8	14	-	38	-	-	-	-	-	61
Single line business lines	-	-	-	-	-	-	-	-	-	-
Multiline business lines	-	-	-	731	-	-	-	-	-	731
Public lines	-	-	-	22	-	-	-	-	-	22
FEDERAL FUND ANALYSIS										
Annual Support										
for line types:	Specify	Bench								
Primary residence lines	X	\$31.00	\$ 565,696	\$ 585,269	\$ -	\$ 202,270	\$ -	\$ -	\$ -	\$ 1,353,235
Secondary residence lines		\$31.00	\$ 8,737	\$ 13,492	\$ -	\$ 6,636	\$ -	\$ -	\$ -	\$ 28,865
Single line business lines	X	\$51.00	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Multiline business lines		\$51.00	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Public lines		\$51.00	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Support cost if all lines supported			\$ 574,433	\$ 598,761	\$ -	\$ 208,905	\$ -	\$ -	\$ -	\$ 1,382,099
Total annual support for specified lines										
@25% Federal allocation			\$ 141,424	\$ 146,317	\$ -	\$ 50,567	\$ -	\$ -	\$ -	\$ 338,309
@Implied 75% State allocation			\$ 424,272	\$ 438,952	\$ -	\$ 151,702	\$ -	\$ -	\$ -	\$ 1,014,926

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

\$20.00	\$ 633,936	\$ 666,227	\$ -	\$ 356,820	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,656,982
\$30.00	\$ 571,900	\$ 592,629	\$ -	\$ 216,320	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,380,848
\$40.00	\$ 509,863	\$ 519,031	\$ -	\$ 75,820	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,104,715
\$50.00	\$ 447,827	\$ 445,434	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 893,261
\$60.00	\$ 385,791	\$ 371,836	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 757,627
\$70.00	\$ 323,755	\$ 298,238	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 621,994
\$80.00	\$ 261,719	\$ 224,641	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 486,360

STATE FUND ANALYSIS															
Annual Support for line types:		Specify	Bench mark												
Primary residence lines	X	\$31.00	\$	565,696	\$	585,269	\$	-	\$	202,270	\$	-	\$	1,353,235	
Secondary residence lines		\$31.00	\$	8,737	\$	13,492	\$	-	\$	6,636	\$	-	\$	28,865	
Single line business lines	X	\$51.00	\$	0	\$	-	\$	-	\$	-	\$	-	\$	0	
Multiline business lines		\$51.00	\$	0	\$	-	\$	-	\$	-	\$	-	\$	0	
Public lines		\$51.00	\$	0	\$	-	\$	-	\$	-	\$	-	\$	0	
Support cost if all lines supported			\$	574,433	\$	598,761	\$	-	\$	208,905	\$	-	\$	1,382,099	
Total annual support for specified lines				\$	565,696	\$	585,269	\$	-	\$	202,270	\$	-	\$	1,353,235
@75% State allocation				\$	424,272	\$	438,952	\$	-	\$	151,702	\$	-	\$	1,014,926
@Implied 25% Federal allocation				\$	141,424	\$	146,317	\$	-	\$	50,567	\$	-	\$	338,309

TOTAL FUND ANALYSIS																
25% Federal allocation from Federal Fund Analy	\$	141,424	\$	146,317	\$	-	\$	50,567	\$	-	\$	-	\$	-	\$	338,309
75% State allocation from State Fund Analysis	\$	424,272	\$	438,952	\$	-	\$	151,702	\$	-	\$	-	\$	-	\$	1,014,926
Total Federal + State fund	\$	565,696	\$	585,269	\$	-	\$	202,270	\$	-	\$	-	\$	-	\$	1,353,235

Module release date: 11/4/1997

COST OF NETWORK ELEMENTS

Missouri

Mcdonald County Telephone Co

Loop elements	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
NID										
Annual Cost	\$ 3,861	\$ 4,586	\$ -	\$ 11,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,195
Unit Cost/month	0.61	0.61	-	0.47	-	-	-	-	-	0.52
Loop Distribution (DLC)										
Annual Cost	\$ 422,167	\$ 424,833	\$ -	\$ 570,190	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,417,190
Unit Cost/month	67.02	56.42	-	22.83	-	-	-	-	-	36.52
Loop Distribution (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Distribution (all)										
Annual Cost	\$ 422,167	\$ 424,833	\$ -	\$ 570,190	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,417,190
Unit Cost/month	67.02	56.42	-	22.83	-	-	-	-	-	36.52
Loop Concentration (DLC)										
Annual Cost	\$ 73,216	\$ 83,707	\$ -	\$ 105,433	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 262,356
Unit Cost/month	11.62	11.12	-	4.22	-	-	-	-	-	6.76
Loop Concentration (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Concentration (all)										
Annual Cost	\$ 73,216	\$ 83,707	\$ -	\$ 105,433	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 262,356
Unit Cost/month	11.62	11.12	-	4.22	-	-	-	-	-	6.76
Loop Feeder (DLC)										
Annual Cost	\$ 178,558	\$ 210,651	\$ -	\$ 114,107	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 503,316
Unit Cost/month	28.35	27.98	-	4.57	-	-	-	-	-	12.97
Loop Feeder (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Feeder (all)										
Annual Cost	\$ 178,558	\$ 210,651	\$ -	\$ 114,107	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 503,316
Unit Cost/month	28.35	27.98	-	4.57	-	-	-	-	-	12.97
Total Loop (DLC)										
Annual Cost	\$ 677,803	\$ 723,776	\$ -	\$ 801,477	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,203,056
Unit Cost/month	107.60	96.13	-	32.08	-	-	-	-	-	56.77
Total Loop (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Total Loop (all)										
Annual Cost	\$ 677,803	\$ 723,776	\$ -	\$ 801,477	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,203,056
Unit Cost/month	107.60	96.13	-	32.08	-	-	-	-	-	56.77
Total lines	525	627	-	2,082	-	-	-	-	-	3,234
Total lines served by DLC	525	627	-	2,082	-	-	-	-	-	3,234

	Annual Cost	Units	Unit Cost
End office switching	\$ 457,790		
Line Port	137,337	3,115 switched lines	\$ 3.67 per line/month
Non-Line Port	320,453	36,227,359 actual minutes	\$ 0.00885 per actual minute (for rate per DEM, see "Cost detail" sheet)
Signaling network elements	\$ 11,686		
Links	4,184	6 links	\$ 59.44 per link per month
STP	4,912	20,516,377 TCAP+ISUP msgs	\$ 0.00024 per signaling message
SCP	2,590	2,081,400 TCAP queries	\$ 0.00124 per query
Transport network elements			
<i>Dedicated</i>			
Sw+Sp Transport	\$ 33,129	122 trunks	\$ 22.60 per DS-0 equivalent per month
Switched	814	3 trunks	\$ 0.00225 per minute
Special	32,316	119 trunks	
Transmission Terminal	34,260	122 trunks	\$ 23.37 per DS-0 equivalent per month
			\$ 0.00233 per minute
			\$ 0.00458 total per minute
<i>Common</i>			
Transport	\$ 74,313	15,700,051 minutes	\$ 0.00365 per minute per leg (orig or term)
Transmission Terminal	53,914	15,700,051 minutes	\$ 0.00265 per minute
			\$ 0.00629 total per minute
<i>Direct</i>			
Transport	\$ 25,820	2,108,254 minutes	\$ 0.01225 per minute
Transmission Terminal	17,363	2,108,254 minutes	\$ 0.00824 per minute
			\$ 0.02048 total per minute
Tandem switch	\$ 4,547	13,698,662 minutes	\$ 0.00033 per minute
Operator systems	\$ 24,917		
Public Telephones	\$ 8,714		
Total (w/ Public)	\$ 2,949,511		
Total cost of switched network elements (w/o Public)	\$ 74.74	per line/month	

	interconnected at		
	end office	tandem	wtd average
Local interconnection			
EO switching	\$ 0.00885	\$ 0.00885	
ISUP	\$ 0.00054	\$ 0.00054	
Common Transport	\$ -	\$ 0.00629	
Tandem Switching	\$ -	\$ 0.00033	
TOTAL	\$ 0.00938	\$ 0.01601	n/a

IXC switched access			
EO switching	\$ 0.00885	\$ 0.00885	
ISUP	\$ 0.00054	\$ 0.00054	
Dedicated Transport	\$ 0.00458	\$ 0.00458	
Common Transport	\$ -	\$ 0.00629	
Tandem Switching	\$ -	\$ 0.00033	
TOTAL	\$ 0.01396	\$ 0.02059	\$ 0.02059

Signaling detail			
cost per 800 call attempt (TCAP)	\$ 0.0030		
ISUP cost/transaction	\$ 0.00280		
ISUP cost/completion	0.0040		
IXC switched access MOU/comp	7.45		
ISUP cost/min	\$ 0.000537		
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 320,453
Total DEMs 52,412,000
Cost per DEM \$ 0.00611

Dedicated Transport Costs Per Trunk	
DS-0 per month	
Transport per month	\$ 22.60
Terminal per month *	\$ 289.83
TOTAL	\$ 312.44

DS-1 per month	
Transport per month	\$ 542.45
Terminal per month	\$ 560.97
TOTAL	\$ 1,103.42

DS-3 per month	
Transport per month	\$ 15,188.63
Terminal per month	\$ 1,586.57
TOTAL	\$ 16,775.21

Trunk Port Costs	
per trunk port (DS-0 equivalent) per month	\$ 2.96
per trunk port minute	\$ 0.000295

total EO usage per minute	\$ 0.008846
trk port/min	\$ 0.000295
other	\$ 0.008551

	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)	26.6%	36.4%	0.0%	39.8%	0.0%	0.0%	0.0%	0.0%	0.0%	37.0%
calculated distribution fill (non-DLC)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	#DIV/0!
weighted average										#DIV/0!

Per DS0 Transport Calculations	
Entrance Facility Investment per Line	\$ -
Total Dedicated Terminal Investment	116,684
Total Lines	3,234
Total Dedicated Terminal Investment per line	\$ 36
Entrance Facility percent to total	\$ -
Terminal Investment per DS-0	\$ 955
Transport Investment per DS-0	\$ 996

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	\$ 2,404	\$ 2,855	\$ -	\$ 7,517	\$ -	\$ -	\$ -	\$ -	\$ -	12,776
Network Expenses	\$ 517	\$ 613	\$ -	\$ 1,354	\$ -	\$ -	\$ -	\$ -	\$ -	2,484
Direct expense	\$ 2,921	\$ 3,468	\$ -	\$ 8,871	\$ -	\$ -	\$ -	\$ -	\$ -	15,260
Investment	\$ 15,024	\$ 17,843	\$ -	\$ 46,981	\$ -	\$ -	\$ -	\$ -	\$ -	79,848
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 920	\$ 1,092	\$ -	\$ 2,793	\$ -	\$ -	\$ -	\$ -	\$ -	4,804
Total	\$ 3,840	\$ 4,560	\$ -	\$ 11,664	\$ -	\$ -	\$ -	\$ -	\$ -	20,064
with carrier-to-carrier	\$ 3,845	\$ 4,566	\$ -	\$ 11,697	\$ -	\$ -	\$ -	\$ -	\$ -	20,107
Distribution (DLC)										
Annual Capital Cost	\$ 256,645	\$ 258,346	\$ -	\$ 345,403	\$ -	\$ -	\$ -	\$ -	\$ -	860,394
Network Expenses	\$ 62,692	\$ 62,969	\$ -	\$ 85,159	\$ -	\$ -	\$ -	\$ -	\$ -	210,820
Direct expense	\$ 319,337	\$ 321,315	\$ -	\$ 430,562	\$ -	\$ -	\$ -	\$ -	\$ -	1,071,214
Investment	\$ 1,592,005	\$ 1,601,092	\$ -	\$ 2,153,744	\$ -	\$ -	\$ -	\$ -	\$ -	5,346,840
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 100,533	\$ 101,156	\$ -	\$ 135,549	\$ -	\$ -	\$ -	\$ -	\$ -	337,238
Total	\$ 419,870	\$ 422,471	\$ -	\$ 566,111	\$ -	\$ -	\$ -	\$ -	\$ -	1,408,451
with carrier-to-carrier	\$ 420,337	\$ 422,991	\$ -	\$ 567,718	\$ -	\$ -	\$ -	\$ -	\$ -	1,411,046
Distribution (non-DLC)										
Annual Capital Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Direct expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
with carrier-to-carrier	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Distribution (all)										
Annual Capital Cost	\$ 256,645	\$ 258,346	\$ -	\$ 345,403	\$ -	\$ -	\$ -	\$ -	\$ -	860,394
Network Expenses	\$ 62,692	\$ 62,969	\$ -	\$ 85,159	\$ -	\$ -	\$ -	\$ -	\$ -	210,820
Direct expense	\$ 319,337	\$ 321,315	\$ -	\$ 430,562	\$ -	\$ -	\$ -	\$ -	\$ -	1,071,214
Investment	\$ 1,592,005	\$ 1,601,092	\$ -	\$ 2,153,744	\$ -	\$ -	\$ -	\$ -	\$ -	5,346,840
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 100,533	\$ 101,156	\$ -	\$ 135,549	\$ -	\$ -	\$ -	\$ -	\$ -	337,238
Total	\$ 419,870	\$ 422,471	\$ -	\$ 566,111	\$ -	\$ -	\$ -	\$ -	\$ -	1,408,451
with carrier-to-carrier	\$ 420,337	\$ 422,991	\$ -	\$ 567,718	\$ -	\$ -	\$ -	\$ -	\$ -	1,411,046
Concentrator (DLC)										
Annual Capital Cost	\$ 51,312	\$ 58,657	\$ -	\$ 73,753	\$ -	\$ -	\$ -	\$ -	\$ -	183,722
Network Expenses	\$ 4,070	\$ 4,654	\$ -	\$ 5,862	\$ -	\$ -	\$ -	\$ -	\$ -	14,585
Direct expense	\$ 55,382	\$ 63,311	\$ -	\$ 79,615	\$ -	\$ -	\$ -	\$ -	\$ -	198,307
Investment	\$ 263,989	\$ 301,800	\$ -	\$ 379,731	\$ -	\$ -	\$ -	\$ -	\$ -	945,520
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 17,435	\$ 19,931	\$ -	\$ 25,064	\$ -	\$ -	\$ -	\$ -	\$ -	62,431
Total	\$ 72,817	\$ 83,242	\$ -	\$ 104,679	\$ -	\$ -	\$ -	\$ -	\$ -	260,738
with carrier-to-carrier	\$ 72,898	\$ 83,345	\$ -	\$ 104,976	\$ -	\$ -	\$ -	\$ -	\$ -	261,218
Concentrator (non-DLC)										
Annual Capital Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Direct expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
with carrier-to-carrier	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Concentrator (all)										
Annual Capital Cost	\$ 51,312	\$ 58,657	\$ -	\$ 73,753	\$ -	\$ -	\$ -	\$ -	\$ -	183,722
Network Expenses	\$ 4,070	\$ 4,654	\$ -	\$ 5,862	\$ -	\$ -	\$ -	\$ -	\$ -	14,585
Direct expense	\$ 55,382	\$ 63,311	\$ -	\$ 79,615	\$ -	\$ -	\$ -	\$ -	\$ -	198,307
Investment	\$ 263,989	\$ 301,800	\$ -	\$ 379,731	\$ -	\$ -	\$ -	\$ -	\$ -	945,520
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 17,435	\$ 19,931	\$ -	\$ 25,064	\$ -	\$ -	\$ -	\$ -	\$ -	62,431
Total	\$ 72,817	\$ 83,242	\$ -	\$ 104,679	\$ -	\$ -	\$ -	\$ -	\$ -	260,738
with carrier-to-carrier	\$ 72,898	\$ 83,345	\$ -	\$ 104,976	\$ -	\$ -	\$ -	\$ -	\$ -	261,218
Feeder (DLC)										
Annual Capital Cost	\$ 107,648	\$ 126,808	\$ -	\$ 69,015	\$ -	\$ -	\$ -	\$ -	\$ -	303,470
Network Expenses	\$ 27,418	\$ 32,515	\$ -	\$ 17,150	\$ -	\$ -	\$ -	\$ -	\$ -	77,082
Direct expense	\$ 135,065	\$ 159,322	\$ -	\$ 86,165	\$ -	\$ -	\$ -	\$ -	\$ -	380,552
Investment	\$ 689,148	\$ 815,395	\$ -	\$ 439,129	\$ -	\$ -	\$ -	\$ -	\$ -	1,943,672
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 42,521	\$ 50,158	\$ -	\$ 27,126	\$ -	\$ -	\$ -	\$ -	\$ -	119,805
Total	\$ 177,586	\$ 209,480	\$ -	\$ 113,291	\$ -	\$ -	\$ -	\$ -	\$ -	500,357
with carrier-to-carrier	\$ 177,784	\$ 209,738	\$ -	\$ 113,612	\$ -	\$ -	\$ -	\$ -	\$ -	501,134
Feeder (non-DLC)										
Annual Capital Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Direct expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

Network-Related Expenses

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
with carrier-to-carrier	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Feeder (all)										
Annual Capital Cost	\$ 107,648	\$ 126,808	\$ -	\$ 69,015	\$ -	\$ -	\$ -	\$ -	\$ -	303,470
Network Expenses	\$ 27,418	\$ 32,515	\$ -	\$ 17,150	\$ -	\$ -	\$ -	\$ -	\$ -	77,082
Direct expense	\$ 135,065	\$ 159,322	\$ -	\$ 86,165	\$ -	\$ -	\$ -	\$ -	\$ -	380,552
Investment	\$ 689,148	\$ 815,395	\$ -	\$ 439,129	\$ -	\$ -	\$ -	\$ -	\$ -	1,943,672
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 42,521	\$ 50,158	\$ -	\$ 27,126	\$ -	\$ -	\$ -	\$ -	\$ -	119,805
Total	\$ 177,586	\$ 209,480	\$ -	\$ 113,291	\$ -	\$ -	\$ -	\$ -	\$ -	500,357
with carrier-to-carrier	\$ 177,784	\$ 209,738	\$ -	\$ 113,612	\$ -	\$ -	\$ -	\$ -	\$ -	501,134
End Office Switching										
Annual Capital Cost	\$ 37,610	\$ 51,822	\$ -	\$ 156,091	\$ -	\$ -	\$ -	\$ -	\$ -	245,523
Network Expenses	\$ 12,834	\$ 17,723	\$ -	\$ 53,467	\$ -	\$ -	\$ -	\$ -	\$ -	84,023
Direct expense	\$ 50,444	\$ 69,544	\$ -	\$ 209,558	\$ -	\$ -	\$ -	\$ -	\$ -	329,547
Investment	\$ 234,300	\$ 322,853	\$ -	\$ 972,545	\$ -	\$ -	\$ -	\$ -	\$ -	1,529,699
Support expenses	\$ 11,074	\$ 15,521	\$ -	\$ 55,848	\$ -	\$ -	\$ -	\$ -	\$ -	82,443
Subtotal, with misc spt	\$ 61,518	\$ 85,086	\$ -	\$ 265,407	\$ -	\$ -	\$ -	\$ -	\$ -	411,990
Total, with var overhead	\$ 67,916	\$ 93,912	\$ -	\$ 293,009	\$ -	\$ -	\$ -	\$ -	\$ -	454,837
with carrier-to-carrier	\$ 67,989	\$ 94,025	\$ -	\$ 293,791	\$ -	\$ -	\$ -	\$ -	\$ -	455,805
Signaling										
Annual Capital Cost	\$ 1,815	\$ 1,183	\$ -	\$ 3,558	\$ -	\$ -	\$ -	\$ -	\$ -	6,556
Network Expenses	\$ 490	\$ 347	\$ -	\$ 1,050	\$ -	\$ -	\$ -	\$ -	\$ -	1,887
Direct expense	\$ 2,305	\$ 1,530	\$ -	\$ 4,608	\$ -	\$ -	\$ -	\$ -	\$ -	8,443
Investment	\$ 11,309	\$ 7,351	\$ -	\$ 22,101	\$ -	\$ -	\$ -	\$ -	\$ -	40,761
Support expenses	\$ 506	\$ 341	\$ -	\$ 1,228	\$ -	\$ -	\$ -	\$ -	\$ -	2,075
Subtotal, with misc spt	\$ 2,811	\$ 1,871	\$ -	\$ 5,836	\$ -	\$ -	\$ -	\$ -	\$ -	10,518
Total, with var overhead	\$ 3,104	\$ 2,066	\$ -	\$ 6,443	\$ -	\$ -	\$ -	\$ -	\$ -	11,612
with carrier-to-carrier	\$ 3,107	\$ 2,068	\$ -	\$ 6,460	\$ -	\$ -	\$ -	\$ -	\$ -	11,635
Dedicated Transport										
Annual Capital Cost	\$ 2,426	\$ 3,040	\$ -	\$ 13,500	\$ -	\$ -	\$ -	\$ -	\$ -	18,967
Network Expenses	\$ 616	\$ 772	\$ -	\$ 3,427	\$ -	\$ -	\$ -	\$ -	\$ -	4,815
Direct expense	\$ 3,042	\$ 3,812	\$ -	\$ 16,928	\$ -	\$ -	\$ -	\$ -	\$ -	23,782
Investment	\$ 15,567	\$ 19,510	\$ -	\$ 86,633	\$ -	\$ -	\$ -	\$ -	\$ -	121,710
Support expenses	\$ 668	\$ 851	\$ -	\$ 4,511	\$ -	\$ -	\$ -	\$ -	\$ -	6,030
Subtotal, with misc spt	\$ 3,710	\$ 4,663	\$ -	\$ 21,439	\$ -	\$ -	\$ -	\$ -	\$ -	29,811
Total, with var overhead	\$ 4,095	\$ 5,148	\$ -	\$ 23,668	\$ -	\$ -	\$ -	\$ -	\$ -	32,912
with carrier-to-carrier	\$ 4,100	\$ 5,154	\$ -	\$ 23,732	\$ -	\$ -	\$ -	\$ -	\$ -	32,986
Dedicated Transport Transmission										
Annual Capital Cost	\$ 2,502	\$ 3,717	\$ -	\$ 16,574	\$ -	\$ -	\$ -	\$ -	\$ -	22,793
Network Expenses	\$ 196	\$ 291	\$ -	\$ 1,298	\$ -	\$ -	\$ -	\$ -	\$ -	1,785
Direct expense	\$ 2,698	\$ 4,008	\$ -	\$ 17,872	\$ -	\$ -	\$ -	\$ -	\$ -	24,578
Investment	\$ 12,808	\$ 19,029	\$ -	\$ 84,847	\$ -	\$ -	\$ -	\$ -	\$ -	116,684
Support expenses	\$ 592	\$ 895	\$ -	\$ 4,763	\$ -	\$ -	\$ -	\$ -	\$ -	6,250
Subtotal, with misc spt	\$ 3,290	\$ 4,903	\$ -	\$ 22,635	\$ -	\$ -	\$ -	\$ -	\$ -	30,828
Total, with var overhead	\$ 3,632	\$ 5,413	\$ -	\$ 24,989	\$ -	\$ -	\$ -	\$ -	\$ -	34,035
with carrier-to-carrier	\$ 3,636	\$ 5,419	\$ -	\$ 25,056	\$ -	\$ -	\$ -	\$ -	\$ -	34,112
Direct Transport										
Annual Capital Cost	\$ 5,262	\$ 2,481	\$ -	\$ 7,172	\$ -	\$ -	\$ -	\$ -	\$ -	14,915
Network Expenses	\$ 1,336	\$ 630	\$ -	\$ 1,822	\$ -	\$ -	\$ -	\$ -	\$ -	3,789
Direct expense	\$ 6,598	\$ 3,111	\$ -	\$ 8,994	\$ -	\$ -	\$ -	\$ -	\$ -	16,703
Investment	\$ 33,758	\$ 15,919	\$ -	\$ 46,022	\$ -	\$ -	\$ -	\$ -	\$ -	95,700
Support expenses	\$ 1,448	\$ 694	\$ -	\$ 2,397	\$ -	\$ -	\$ -	\$ -	\$ -	4,540
Subtotal, with misc spt	\$ 8,046	\$ 3,806	\$ -	\$ 11,391	\$ -	\$ -	\$ -	\$ -	\$ -	23,243
Total, with var overhead	\$ 8,883	\$ 4,201	\$ -	\$ 12,576	\$ -	\$ -	\$ -	\$ -	\$ -	25,660
with carrier-to-carrier	\$ 8,893	\$ 4,206	\$ -	\$ 12,609	\$ -	\$ -	\$ -	\$ -	\$ -	25,708
Direct Transport Transmission										
Annual Capital Cost	\$ 1,592	\$ 2,481	\$ -	\$ 7,512	\$ -	\$ -	\$ -	\$ -	\$ -	11,586
Network Expenses	\$ 125	\$ 194	\$ -	\$ 588	\$ -	\$ -	\$ -	\$ -	\$ -	907
Direct expense	\$ 1,717	\$ 2,675	\$ -	\$ 8,101	\$ -	\$ -	\$ -	\$ -	\$ -	12,493
Investment	\$ 8,152	\$ 12,699	\$ -	\$ 38,458	\$ -	\$ -	\$ -	\$ -	\$ -	59,309
Support expenses	\$ 377	\$ 597	\$ -	\$ 2,159	\$ -	\$ -	\$ -	\$ -	\$ -	3,133
Subtotal, with misc spt	\$ 2,094	\$ 3,272	\$ -	\$ 10,260	\$ -	\$ -	\$ -	\$ -	\$ -	15,626
Total, with var overhead	\$ 2,312	\$ 3,612	\$ -	\$ 11,327	\$ -	\$ -	\$ -	\$ -	\$ -	17,251
with carrier-to-carrier	\$ 2,314	\$ 3,617	\$ -	\$ 11,357	\$ -	\$ -	\$ -	\$ -	\$ -	17,288
Common Transport										
Annual Capital Cost	\$ 12,601	\$ 7,635	\$ -	\$ 22,609	\$ -	\$ -	\$ -	\$ -	\$ -	42,845
Network Expenses	\$ 3,201	\$ 1,940	\$ -	\$ 5,743	\$ -	\$ -	\$ -	\$ -	\$ -	10,883
Direct expense	\$ 15,802	\$ 9,575	\$ -	\$ 28,351	\$ -	\$ -	\$ -	\$ -	\$ -	53,728
Investment	\$ 80,851	\$ 48,993	\$ -	\$ 145,077	\$ -	\$ -	\$ -	\$ -	\$ -	274,920
Support expenses	\$ 3,469	\$ 2,137	\$ -	\$ 7,556	\$ -	\$ -	\$ -	\$ -	\$ -	13,162
Subtotal, with misc spt	\$ 19,271	\$ 11,712	\$ -	\$ 35,907	\$ -	\$ -	\$ -	\$ -	\$ -	66,890
Total, with var overhead	\$ 21,275	\$ 12,930	\$ -	\$ 39,642	\$ -	\$ -	\$ -	\$ -	\$ -	73,847
with carrier-to-carrier	\$ 21,298	\$ 12,945	\$ -	\$ 39,747	\$ -	\$ -	\$ -	\$ -	\$ -	73,991

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	\$ 4,279	\$ 7,712	\$ -	\$ 23,958	\$ -	\$ -	\$ -	\$ -	\$ -	35,949
Network Expenses	\$ 335	\$ 604	\$ -	\$ 1,877	\$ -	\$ -	\$ -	\$ -	\$ -	2,816
Direct expense	\$ 4,614	\$ 8,316	\$ -	\$ 25,834	\$ -	\$ -	\$ -	\$ -	\$ -	38,764
Investment	\$ 21,905	\$ 39,477	\$ -	\$ 122,647	\$ -	\$ -	\$ -	\$ -	\$ -	184,030
Support expenses	\$ 1,013	\$ 1,856	\$ -	\$ 6,885	\$ -	\$ -	\$ -	\$ -	\$ -	9,754
Subtotal, with misc spt	\$ 5,627	\$ 10,171	\$ -	\$ 32,720	\$ -	\$ -	\$ -	\$ -	\$ -	48,518
Total, with var overhead	\$ 6,212	\$ 11,229	\$ -	\$ 36,122	\$ -	\$ -	\$ -	\$ -	\$ -	53,564
with carrier-to-carrier	\$ 6,219	\$ 11,243	\$ -	\$ 36,219	\$ -	\$ -	\$ -	\$ -	\$ -	53,681
Tandem Switching										
Annual Capital Cost	\$ 360	\$ 430	\$ -	\$ 1,345	\$ -	\$ -	\$ -	\$ -	\$ -	2,134
Network Expenses	\$ 192	\$ 230	\$ -	\$ 718	\$ -	\$ -	\$ -	\$ -	\$ -	1,140
Direct expense	\$ 552	\$ 659	\$ -	\$ 2,063	\$ -	\$ -	\$ -	\$ -	\$ -	3,274
Investment	\$ 2,310	\$ 2,761	\$ -	\$ 8,635	\$ -	\$ -	\$ -	\$ -	\$ -	13,706
Support expenses	\$ 121	\$ 147	\$ -	\$ 550	\$ -	\$ -	\$ -	\$ -	\$ -	818
Subtotal, with misc spt	\$ 673	\$ 807	\$ -	\$ 2,612	\$ -	\$ -	\$ -	\$ -	\$ -	4,092
Total, with var overhead	\$ 743	\$ 891	\$ -	\$ 2,884	\$ -	\$ -	\$ -	\$ -	\$ -	4,518
with carrier-to-carrier	\$ 744	\$ 892	\$ -	\$ 2,892	\$ -	\$ -	\$ -	\$ -	\$ -	4,527
Operator Systems										
Annual Capital Cost	\$ 2,537	\$ 1,513	\$ -	\$ 4,332	\$ -	\$ -	\$ -	\$ -	\$ -	8,382
Network Expenses	\$ 2,027	\$ 2,042	\$ -	\$ 6,288	\$ -	\$ -	\$ -	\$ -	\$ -	10,358
Direct expense	\$ 4,564	\$ 3,555	\$ -	\$ 10,621	\$ -	\$ -	\$ -	\$ -	\$ -	18,740
Investment	\$ 15,947	\$ 9,241	\$ -	\$ 26,329	\$ -	\$ -	\$ -	\$ -	\$ -	51,517
Support expenses	\$ 783	\$ 620	\$ -	\$ 2,281	\$ -	\$ -	\$ -	\$ -	\$ -	3,685
Subtotal, with misc spt	\$ 5,347	\$ 4,175	\$ -	\$ 12,902	\$ -	\$ -	\$ -	\$ -	\$ -	22,425
Total, with var overhead	\$ 5,904	\$ 4,610	\$ -	\$ 14,244	\$ -	\$ -	\$ -	\$ -	\$ -	24,757
with carrier-to-carrier	\$ 5,910	\$ 4,615	\$ -	\$ 14,284	\$ -	\$ -	\$ -	\$ -	\$ -	24,809
Public Telephone										
Annual Capital Cost	\$ 391	\$ 592	\$ -	\$ 2,427	\$ -	\$ -	\$ -	\$ -	\$ -	3,410
Network Expenses	\$ 360	\$ 544	\$ -	\$ 2,233	\$ -	\$ -	\$ -	\$ -	\$ -	3,137
Direct expense	\$ 751	\$ 1,136	\$ -	\$ 4,659	\$ -	\$ -	\$ -	\$ -	\$ -	6,547
Investment	\$ 1,914	\$ 2,894	\$ -	\$ 11,868	\$ -	\$ -	\$ -	\$ -	\$ -	16,676
Support expenses	\$ 129	\$ 198	\$ -	\$ 1,001	\$ -	\$ -	\$ -	\$ -	\$ -	1,328
Subtotal, with misc spt	\$ 880	\$ 1,335	\$ -	\$ 5,660	\$ -	\$ -	\$ -	\$ -	\$ -	7,875
Total, with var overhead	\$ 972	\$ 1,473	\$ -	\$ 6,249	\$ -	\$ -	\$ -	\$ -	\$ -	8,694
with carrier-to-carrier	\$ 973	\$ 1,475	\$ -	\$ 6,266	\$ -	\$ -	\$ -	\$ -	\$ -	8,714
Totals										
Annual Capital Cost	\$ 489,384	\$ 529,270	\$ -	\$ 754,767	\$ -	\$ -	\$ -	\$ -	\$ -	1,773,421
Network Expenses	\$ 116,409	\$ 126,068	\$ -	\$ 188,034	\$ -	\$ -	\$ -	\$ -	\$ -	430,511
Total	\$ 605,792	\$ 655,338	\$ -	\$ 942,802	\$ -	\$ -	\$ -	\$ -	\$ -	2,203,932
Investment	\$ 2,998,987	\$ 3,236,859	\$ -	\$ 4,584,747	\$ -	\$ -	\$ -	\$ -	\$ -	10,820,593
Supporting Network Expenses										
Capital Cost - Gent Support	\$ 25,244	\$ 27,246	\$ -	\$ 38,592	\$ -	\$ -	\$ -	\$ -	\$ -	91,082
Network Operations	\$ 16,329	\$ 19,518	\$ -	\$ 64,756	\$ -	\$ -	\$ -	\$ -	\$ -	100,603
Network Support	\$ 1,738	\$ 1,880	\$ -	\$ 2,705	\$ -	\$ -	\$ -	\$ -	\$ -	6,323
Other Taxes	\$ 35,489	\$ 38,485	\$ -	\$ 57,265	\$ -	\$ -	\$ -	\$ -	\$ -	131,240
Misc Expenses	\$ 25,181	\$ 27,240	\$ -	\$ 39,189	\$ -	\$ -	\$ -	\$ -	\$ -	91,611
Subtotal	\$ 103,981	\$ 114,370	\$ -	\$ 202,508	\$ -	\$ -	\$ -	\$ -	\$ -	420,859
Carrier-carrier customer svc	\$ 887	\$ 1,060	\$ -	\$ 3,518	\$ -	\$ -	\$ -	\$ -	\$ -	5,466
Interoffice/Switching Net Ops	\$ 4,203	\$ 5,024	\$ -	\$ 16,667	\$ -	\$ -	\$ -	\$ -	\$ -	25,893
Interoffice/Sw Exp	\$ 87,772	\$ 103,231	\$ -	\$ 322,309	\$ -	\$ -	\$ -	\$ -	\$ -	513,312
Total Network Costs										
	\$ 713,976	\$ 774,732	\$ -	\$ 1,161,977	\$ -	\$ -	\$ -	\$ -	\$ -	2,650,685
Other costs										
Other Taxes	\$ 35,489	\$ 38,485	\$ -	\$ 57,265	\$ -	\$ -	\$ -	\$ -	\$ -	131,240
Monthly Cost Factors										
Loop	0.02244	0.02242	-	0.02249	-	-	-	-	-	0.02282
Port	0.00837	0.00726	-	0.00754	-	-	-	-	-	0.00761
Switching	0.01111	0.00964	-	0.01001	-	-	-	-	-	0.01010
Signaling	0.00301	0.00553	-	0.00575	-	-	-	-	-	0.00495
Transport	0.00357	0.00472	-	0.00440	-	-	-	-	-	0.00429
Billing/Bill Inquiries (per line)	2.74	2.74	-	2.74	-	-	-	-	-	2.74
Directory Listing (per line)	-	-	-	-	-	-	-	-	-	-
LNP Expense (per line)	0.30	0.30	-	0.30	-	-	-	-	-	0.30
Inverse Carrier to Carrier Expense Factors										
	99.8913%	99.8803%	0.0000%	99.7338%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	99.8123%

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

	Total Annual Amount assigned to loops	% to be assigned per line	% to be assigned per direct cost	Annual Amount to be assigned per line	Annual Amount to be assigned per direct cost
General Support - Loops					
Furniture - Capital Costs	\$ 2,962	0%	100%	\$ -	\$ 2,962
Furniture - Expenses	\$ 2,274	0%	100%	\$ -	\$ 2,274
Office Equipment - Capital Costs	\$ 8,455	0%	100%	\$ -	\$ 8,455
Office Equipment - Expenses	\$ 4,818	0%	100%	\$ -	\$ 4,818
General Purpose Computer - Capital Costs	\$ 17,667	0%	100%	\$ -	\$ 17,667
General Purpose Computer - Expenses	\$ 46,576	0%	100%	\$ -	\$ 46,576
Motor Vehicles - Capital Costs	\$ 10,661	0%	100%	\$ -	\$ 10,661
Motor Vehicles - Expenses	\$ 3,725	0%	100%	\$ -	\$ 3,725
Buildings - Capital Costs	\$ 21,309	0%	100%	\$ -	\$ 21,309
Buildings - Expenses	\$ 15,556	0%	100%	\$ -	\$ 15,556
Garage Work Eqpt. - Capital Costs	\$ 312	0%	100%	\$ -	\$ 312
Garage Work Eqpt. - Expenses	\$ 109	0%	100%	\$ -	\$ 109
Other Work Eqpt. - Capital Costs	\$ 7,459	0%	100%	\$ -	\$ 7,459
Other Work Eqpt. - Expenses	\$ 945	0%	100%	\$ -	\$ 945
Total General Support	\$ 142,825			\$ -	\$ 142,825
Network Operations	\$ 76,018	0%	100%	\$ -	\$ 76,018
Other Taxes	\$ 99,167	0%	100%	\$ -	\$ 99,167
Variable Overhead	\$ 206,268	0%	100%	\$ -	\$ 206,268
Totals	\$ 318,009			\$ -	\$ 524,277

	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	\$ 512,705	\$ 547,416	\$ -	\$ 605,212	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,665,333
Non-Loop-related direct costs	\$ 93,087	\$ 107,922	\$ -	\$ 337,589	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 538,599
Total	\$ 605,792	\$ 655,338	\$ -	\$ 942,802	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,203,932
Loop Fraction	84.63%	83.53%	0.00%	64.19%	0.00%	0.00%	0.00%	0.00%	0.00%	75.56%
Network Operations	\$ 16,329	\$ 19,518	\$ -	\$ 64,756	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,603

	Total Annual Amount	Amount Assigned to Loops	Amount Assigned to Other UNEs
General Support - Totals			
Furniture - Capital Costs	\$ 3,919	\$ 2,962	\$ 958
Furniture - Expenses	\$ 3,009	\$ 2,274	\$ 735
Office Equipment - Capital Costs	\$ 11,189	\$ 8,455	\$ 2,734
Office Equipment - Expenses	\$ 6,376	\$ 4,818	\$ 1,558
General Purpose Computer - Capital Costs	\$ 23,381	\$ 17,667	\$ 5,714
General Purpose Computer - Expenses	\$ 61,639	\$ 46,576	\$ 15,063
Motor Vehicles - Capital Costs	\$ 14,109	\$ 10,661	\$ 3,448

Exp Assignment

Motor Vehicles - Expenses	\$ 4,929	\$ 3,725	\$ 1,205	
Buildings - Capital Costs	\$ 28,200	\$ 21,309	\$ 6,892	
Buildings - Expenses	\$ 20,587	\$ 15,556	\$ 5,031	
Garage Work Eqpt. - Capital Costs	\$ 413	\$ 312	\$ 101	
Garage Work Eqpt. - Expenses	\$ 144	\$ 109	\$ 35	
Other Work Eqpt. - Capital Costs	\$ 9,872	\$ 7,459	\$ 2,412	
Other Work Eqpt. - Expenses	\$ 1,250	\$ 945	\$ 306	
Total General Support	\$ 189,017	\$ 142,825	\$ 46,192	
Network Operations	\$ 100,603	\$ 76,018	\$ 24,585	
Other Taxes Calculation				
Total Direct Costs	\$ 2,203,932	\$ 1,665,333	\$ 538,599	\$ 2,203,932
Total Network Operations	\$ 100,603	\$ 76,018	\$ 24,585	\$ 100,603
Total General Support	\$ 189,017	\$ 142,825	\$ 46,192	\$ 229,174
Total	\$ 2,493,552	\$ 1,884,176	\$ 609,376	
Other Taxes	\$ 131,240	\$ 99,167	\$ 32,072	\$ 360,413
Total Expenses and Other Taxes	\$ 2,624,792	\$ 1,983,343	\$ 641,449	
Variable Overhead Calculation				
Variable Overhead	\$ 272,978	\$ 206,268	\$ 66,711	
Total Cost with Variable Overhead	2,897,770	2,189,610	708,159	

UNE Expense Assignment

Totals

NID

per line cost \$ -
per direct cost \$ 4,804
total \$ 4,804

Distribution (DLC)

per line cost \$ -
per direct cost \$ 337,238
total \$ 337,238

Distribution (non-DLC)

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

Concentrator (DLC)

per line cost \$ -
per direct cost \$ 62,431
total \$ 62,431

Concentrator (non-DLC)

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

Feeder (DLC)

per line cost \$ -
per direct cost \$ 119,805
total \$ 119,805

Feeder (non-DLC)

Exp Assignment

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

End Office Switching	\$	433,294
Signaling	\$	11,101
Dedicated Transport	\$	31,269
Dedicated Transport Transmission	\$	32,316
Direct Transport	\$	24,591
Direct Transport Transmission	\$	16,426
Common Transport	\$	70,643
Common Transport Transmission	\$	50,968
Tandem Switching	\$	4,305
Operator Systems	\$	24,639
Public Telephone	\$	8,608

COST SUMMARY

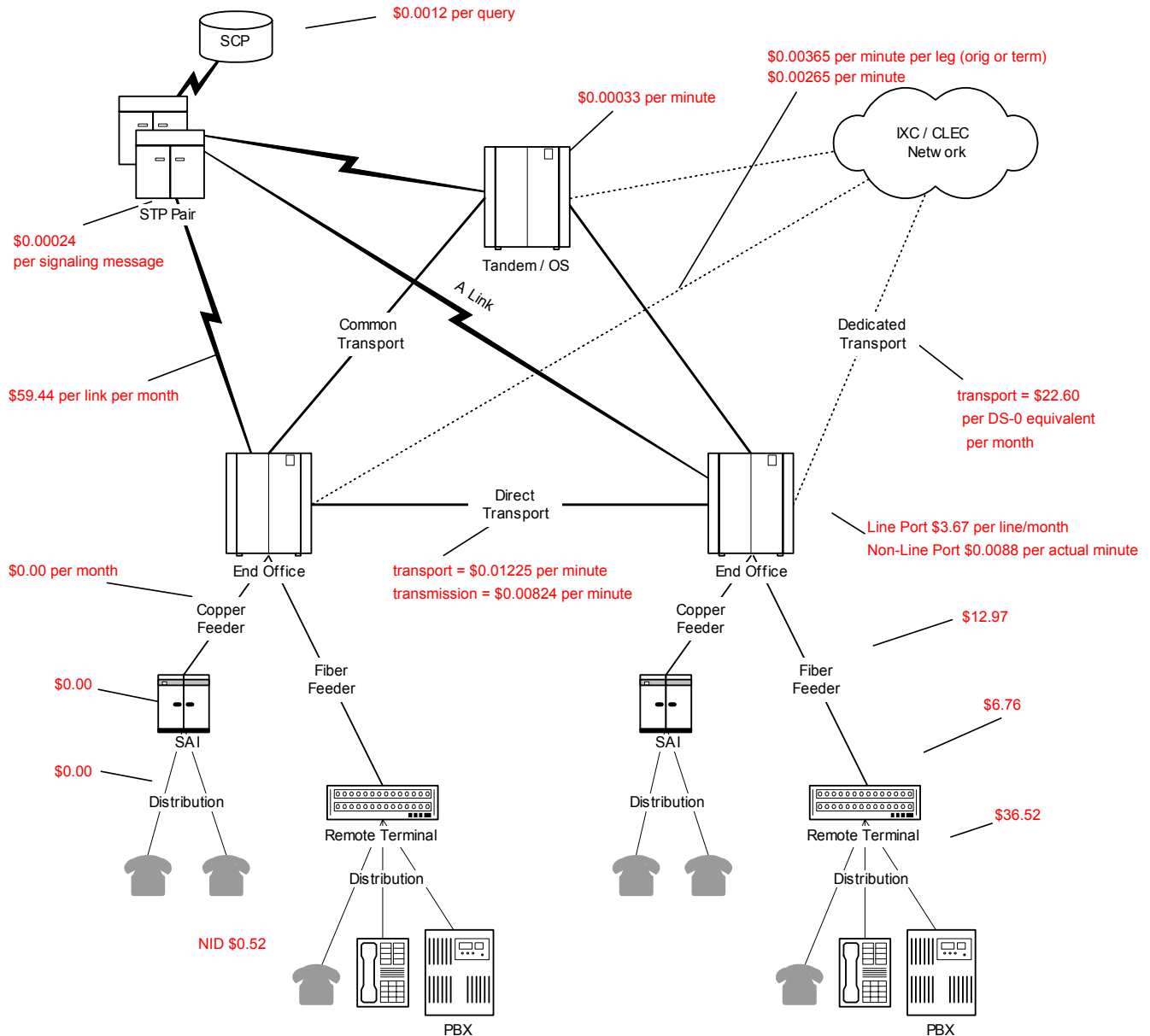
Missouri Mcdonald County Telephone Co

		1		2		1+2		3		1+2+3	
Network Element	Investment *	% of total investment	Annual Capital Cost	Network Expenses	Direct Expense	Support Expense	Subtotal (with misc support)	Total (with carrier-to-carrier)			
NID	\$ 79,848	0.7%	\$ 12,776	\$ 2,484	\$ 15,260	\$ 4,804	\$ 20,064	\$ 20,107			
Distribution (DLC)	5,346,840	49.4%	860,394	210,820	1,071,214	337,238	1,408,451	1,411,046			
Distribution (non-DLC)	-	0.0%	-	-	-	-	-	-			
Distribution (all)	5,346,840	49.4%	860,394	210,820	1,071,214	337,238	1,408,451	1,411,046			
Concentrator (DLC)	945,520	8.7%	183,722	14,585	198,307	62,431	260,738	261,218			
Concentrator (non-DLC)	-	0.0%	-	-	-	-	-	-			
Concentrator (all)	945,520	8.7%	183,722	14,585	198,307	62,431	260,738	261,218			
Feeder (DLC)	1,943,672	18.0%	303,470	77,082	380,552	119,805	500,357	501,134			
Feeder (non-DLC)	-	0.0%	-	-	-	-	-	-			
Feeder (all)	1,943,672	18.0%	303,470	77,082	380,552	119,805	500,357	501,134			
End Office Switching	1,529,699	14.1%	245,523	84,023	329,547	82,443	411,990	455,805			
Signaling	40,761	0.4%	6,556	1,887	8,443	2,075	10,518	11,635			
Dedicated Transport	121,710	1.1%	18,967	4,815	23,782	6,030	29,811	32,986			
Dedicated Transport Transmission	116,684	1.1%	22,793	1,785	24,578	6,250	30,828	34,112			
Direct Transport	95,700	0.9%	14,915	3,789	18,703	4,540	23,243	25,708			
Direct Transport Transmission	59,309	0.5%	11,586	907	12,493	3,133	15,626	17,288			
Common Transport	274,920	2.5%	42,845	10,883	53,728	13,162	66,890	73,991			
Common Transport Transmission	184,030	1.7%	35,949	2,816	38,764	9,754	48,518	53,681			
Tandem Switching	13,706	0.1%	2,134	1,140	3,274	818	4,092	4,527			
Operator Systems	51,517	0.5%	8,382	10,358	18,740	3,685	22,425	24,809			
Public Telephone	16,676	0.2%	3,410	3,137	6,547	1,328	7,875	8,714			
Total Network Cost											
Total	\$ 10,820,593	100%	\$ 1,773,421	\$ 430,511	\$ 2,203,932	\$ 657,495	\$ 2,861,427	\$ 2,936,762			

* Post sharing

Unbundled Network Elements

Missouri / Mcdonald County Telephone Co



USOA Detail Breakdown of HAI Model Costs

USOA	INVESTMENT DESCRIPTION	Cost \$(000)
Telecommunications Plant in Service		
2111	LAND	35
2112	MOTOR VEHICLES	74
2113	AIRCRAFT	
2114	SPECIAL PURPOSE VEHICLES	
2115	GARAGE WORK EQUIPMENT	2
2116	OTHER WORK EQUIPMENT	58
2121	BUILDINGS	406
2122	FURNITURE	25
2123.1	OFFICE SUPPORT EQUIPMENT	63
2123.2	COMPANY COMMUNICATIONS EQUIPMENT	
2124	GENERAL PURPOSE COMPUTERS	97
2110	TOTAL LAND & SUPPORT ASSETS	759
2212	DIGITAL ELECTRONIC SWITCHING	1,318
2220	OPERATOR SYSTEMS	7
2232	CIRCUIT EQUIPMENT	1,287
2351	PUBLIC TEL TERMINAL EQUIPMENT	17
2411	POLES	172
2421.1	AERIAL CABLE - METALLIC	125
2421.2	AERIAL CABLE - NonMETALLIC	74
2422.1	UNDERGROUND CABLE - METALLIC	0
2422.2	UNDERGROUND CABLE - NonMETALLIC	0
2423.1	BURIED CABLE - METALLIC	5,188
2423.2	BURIED CABLE - NonMETALLIC	2,379
2426.1	INTRABUILDING NETWORK CABLE - MET.	
2426.2	INTRABUILDING NETWORK CABLE - NonMET.	
2441	CONDUIT SYSTEMS	0
2410	TOTAL CABLE & WIRE FACILITIES	7,937
	Total TPIS (before amortizable assets)*	11,325

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

**Mcdonald County Telephone Co
Missouri**

USOA	EXPENSE DESCRIPTION	Cost \$(000)
Plant Specific Expenses		
6112	MOTOR VEHICLES	5
6113	AIRCRAFT	2
6114	SPECIAL PURPOSE VEHICLES	0
6115	GARAGE WORK EQUIPMENT	0
6116	OTHER WORK EQUIPMENT	1
6110	NETWORK SUPPORT	8
6121	LAND & BUILDINGS	49
6122	FURNITURE	4
6123	OFFICE EQUIPMENT	8
6124	GENERAL PURPOSE COMPUTERS	74
6120	LAND & SUPPORT ASSETS	134
6212	DIGITAL ELECTRONIC SWITCHING	63
6220	OPERATOR SYSTEMS	8
6232	CIRCUIT EQUIPMENT	20
6351	PUBLIC TEL TERMINAL EQUIPMENT	3
6411	POLES	7
6421	AERIAL CABLE	13
6422	UNDERGROUND CABLE	0
6423	BURIED CABLE	293
6426	INTRABUILDING NETWORK CABLE	
6441	CONDUIT SYSTEMS	0
6410	TOTAL CABLE & WIRE FACILITIES	312
	Total Plant Specific Expenses	548
Plant Nonspecific Operations		
	TOTAL NETWORK OPERATIONS SUPPORT	126
6561	DEPRECIATION TPIS	675
6623	CUSTOMER SERVICES	5
	Total Plant Nonspecific Operations	807
	TOTAL CORPORATE OPERATIONS	276
	TOTAL OPERATING EXPENSES	1,631
7240	OPERATING OTHER TAXES	131
	TOTAL EXPENSES & OPERATING TAXES	1,762

USOA Depreciation Calculations

	<u>Depl life</u>	<u>DepFact</u>	<u>Dep Exp</u>
2111			
2112	10.45	0.09589	7
2113			
2114			
2115	9.97	0.10031	0
2116	13.92	0.07189	4
2121	48.73	0.02052	8
2122	18.36	0.05449	1
2123.1	12.44	0.08052	5
2123.2	7.99	0.12517	-
2124	6.61	0.15223	15
2110			
2212	17.17	0.05827	77
2220	9.25	0.10829	1
2232	9.90	0.10108	130
2351	8.98	0.11145	2
2411	8.38	0.11972	21
2421.1	13.61	0.07355	9
2421.2	18.92	0.05286	4
2422.1	17.88	0.05596	-
2422.2	20.14	0.04966	-
2423.1	18.36	0.05450	283
2423.2	21.97	0.04551	108
2426.1	13.57	0.07377	-
2426.2	21.37	0.04681	-
2441	46.15	0.02167	-
<i>Total Depreciation</i>			675

Network Element Disaggregations

Investment Disaggregations:

<i>Terminal, Drop, and NID</i>	<i>486,616</i>
Aerial-m portion	11,416
Buried-m portion	475,200

<i>OS Trks + Signaling links</i>	<i>55,889</i>
Circuit Eqpt. portion	9,315
Pole portion	906
Aerial-nm portion	1,271
Underground-nm portion	-
Buried-nm portion	44,396
Conduit portion	-

<i>SAI</i>	<i>27,650</i>
Aerial-m portion	-
Aerial-nm portion	851
Underground-m portion	-
Underground-nm portion	-
Buried-m portion	-
Buried-nm portion	26,799

Expense Disaggregations:

<i>Terminal, Drop, and NID</i>	<i>18,250</i>
Aerial portion	879
Buried portion	17,371

<i>OS Trks + Signaling links</i>	<i>2,166</i>
Circuit Eqpt. portion	361
Pole portion	37
Aerial-nm portion	78
Underground-nm portion	-
Buried-nm portion	1,690
Conduit portion	-

<i>SAI</i>	<i>542</i>
Aerial portion	17
Underground portion	-
Buried portion	525

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	\$ 6,812	\$ 7,352	- \$	10,414 \$	- \$	- \$	- \$	- \$	- \$	24,578
office equipment	17,410	18,791	-	26,616	-	-	-	-	-	62,817
general purpose computers	26,773	28,897	-	40,930	-	-	-	-	-	96,599
motor vehicles	20,485	22,110	-	31,317	-	-	-	-	-	73,913
buildings	51,742	55,846	-	79,102	-	-	-	-	-	186,690
garage work equipment	588	634	-	899	-	-	-	-	-	2,121
orther work equipment	15,964	17,230	-	24,405	-	-	-	-	-	57,598
										-
TOTAL	\$ 139,774	\$ 150,860	- \$	213,682 \$	- \$	- \$	- \$	- \$	- \$	504,316
Levelized Cost of Capital										
furniture	\$ 1,086	\$ 1,172	- \$	1,661 \$	- \$	- \$	- \$	- \$	- \$	3,919
office equipment	3,101	3,347	-	4,741	-	-	-	-	-	11,189
general purpose computers	6,480	6,994	-	9,907	-	-	-	-	-	23,381
motor vehicles	3,910	4,220	-	5,978	-	-	-	-	-	14,109
buildings	7,816	8,436	-	11,949	-	-	-	-	-	28,200
garage work equipment	114	124	-	175	-	-	-	-	-	413
orther work equipment	2,736	2,953	-	4,183	-	-	-	-	-	9,872
TOTAL	\$ 25,244	\$ 27,246	- \$	38,592 \$	- \$	- \$	- \$	- \$	- \$	91,082

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	\$ 578,720	\$ 507,143	\$ -	\$ 1,151,217	\$ -	\$ -	\$ -	\$ -	\$ -	2,237,080
aerial cable	29,287	25,665	-	58,260	-	-	-	-	-	113,213
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	840,263	900,081	-	735,306	-	-	-	-	-	2,475,650
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	44,179	49,702	-	20,249	-	-	-	-	-	114,130
terminal	44,070	52,675	-	87,417	-	-	-	-	-	184,161
drop	55,486	65,826	-	101,295	-	-	-	-	-	222,607
TOTAL	\$ 1,592,005	\$ 1,601,092	\$ -	\$ 2,153,744	\$ -	\$ -	\$ -	\$ -	\$ -	5,346,840
	29.77%	29.94%	0.00%	40.28%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 92,293	\$ 80,878	\$ -	\$ 183,593	\$ -	\$ -	\$ -	\$ -	\$ -	356,763
aerial cable	5,057	4,431	-	10,059	-	-	-	-	-	19,548
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	134,003	143,542	-	117,265	-	-	-	-	-	394,810
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	9,363	10,534	-	4,291	-	-	-	-	-	24,188
terminal	7,051	8,428	-	13,987	-	-	-	-	-	29,467
drop	8,878	10,533	-	16,208	-	-	-	-	-	35,618
TOTAL	\$ 256,645	\$ 258,346	\$ -	\$ 345,403	\$ -	\$ -	\$ -	\$ -	\$ -	860,394
Network Expenses										
buried cable	22,500	19,717	-	44,757	-	-	-	-	-	86,974
aerial cable	1,842	1,614	-	3,664	-	-	-	-	-	7,120
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	32,668	34,994	-	28,588	-	-	-	-	-	96,249
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	1,823	2,051	-	836	-	-	-	-	-	4,710
terminal	1,708	2,042	-	3,388	-	-	-	-	-	7,138
drop	2,151	2,551	-	3,926	-	-	-	-	-	8,628
TOTAL	\$ 62,692	\$ 62,969	\$ -	\$ 85,159	\$ -	\$ -	\$ -	\$ -	\$ -	210,820
Summary										
Cost of Capital	\$ 256,645	\$ 258,346	\$ -	\$ 345,403	\$ -	\$ -	\$ -	\$ -	\$ -	860,394
Network Expense	62,692	62,969	-	85,159	-	-	-	-	-	210,820
TOTAL	\$ 319,337	\$ 321,315	\$ -	\$ 430,562	\$ -	\$ -	\$ -	\$ -	\$ -	1,071,214
Copper Feeder										
Distribution Investment										
buried cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
aerial cable	-	-	-	-	-	-	-	-	-	-
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
terminal	-	-	-	-	-	-	-	-	-	-
drop	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Levelized Cost of Capital										
buried cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
aerial cable	-	-	-	-	-	-	-	-	-	-
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
terminal	-	-	-	-	-	-	-	-	-	-
drop	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expenses										
buried cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
aerial cable	-	-	-	-	-	-	-	-	-	-

Distribution

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
terminal	-	-	-	-	-	-	-	-	-	-
drop	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Summary										
Cost of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expense	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Total										
Distribution Investment										
buried cable	\$ 578,720	\$ 507,143	\$ -	\$ 1,151,217	\$ -	\$ -	\$ -	\$ -	\$ -	2,237,080
aerial cable	\$ 29,287	\$ 25,665	\$ -	\$ 58,260	\$ -	\$ -	\$ -	\$ -	\$ -	113,213
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 840,263	\$ 900,081	\$ -	\$ 735,306	\$ -	\$ -	\$ -	\$ -	\$ -	2,475,650
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 44,179	\$ 49,702	\$ -	\$ 20,249	\$ -	\$ -	\$ -	\$ -	\$ -	114,130
terminal	\$ 44,070	\$ 52,675	\$ -	\$ 87,417	\$ -	\$ -	\$ -	\$ -	\$ -	184,161
drop	\$ 55,486	\$ 65,826	\$ -	\$ 101,295	\$ -	\$ -	\$ -	\$ -	\$ -	222,607
TOTAL	\$ 1,592,005	\$ 1,601,092	\$ -	\$ 2,153,744	\$ -	\$ -	\$ -	\$ -	\$ -	5,346,840
	29.77%	29.94%	0.00%	40.28%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 92,293	\$ 80,878	\$ -	\$ 183,593	\$ -	\$ -	\$ -	\$ -	\$ -	356,763
aerial cable	\$ 5,057	\$ 4,431	\$ -	\$ 10,059	\$ -	\$ -	\$ -	\$ -	\$ -	19,548
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 134,003	\$ 143,542	\$ -	\$ 117,265	\$ -	\$ -	\$ -	\$ -	\$ -	394,810
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 9,363	\$ 10,534	\$ -	\$ 4,291	\$ -	\$ -	\$ -	\$ -	\$ -	24,188
terminal	\$ 7,051	\$ 8,428	\$ -	\$ 13,987	\$ -	\$ -	\$ -	\$ -	\$ -	29,467
drop	\$ 8,878	\$ 10,533	\$ -	\$ 16,208	\$ -	\$ -	\$ -	\$ -	\$ -	35,618
TOTAL	\$ 256,645	\$ 258,346	\$ -	\$ 345,403	\$ -	\$ -	\$ -	\$ -	\$ -	860,394
Network Expenses										
buried cable	\$ 22,500	\$ 19,717	\$ -	\$ 44,757	\$ -	\$ -	\$ -	\$ -	\$ -	86,974
aerial cable	\$ 1,842	\$ 1,614	\$ -	\$ 3,664	\$ -	\$ -	\$ -	\$ -	\$ -	7,120
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 32,668	\$ 34,994	\$ -	\$ 28,588	\$ -	\$ -	\$ -	\$ -	\$ -	96,249
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 1,823	\$ 2,051	\$ -	\$ 836	\$ -	\$ -	\$ -	\$ -	\$ -	4,710
terminal	\$ 1,708	\$ 2,042	\$ -	\$ 3,388	\$ -	\$ -	\$ -	\$ -	\$ -	7,138
drop	\$ 2,151	\$ 2,551	\$ -	\$ 3,926	\$ -	\$ -	\$ -	\$ -	\$ -	8,628
TOTAL	\$ 62,692	\$ 62,969	\$ -	\$ 85,159	\$ -	\$ -	\$ -	\$ -	\$ -	210,820
Summary										
Cost of Capital	\$ 256,645	\$ 258,346	\$ -	\$ 345,403	\$ -	\$ -	\$ -	\$ -	\$ -	860,394
Network Expense	\$ 62,692	\$ 62,969	\$ -	\$ 85,159	\$ -	\$ -	\$ -	\$ -	\$ -	210,820
TOTAL	\$ 319,337	\$ 321,315	\$ -	\$ 430,562	\$ -	\$ -	\$ -	\$ -	\$ -	1,071,214
NID Cost										
NID Investment	\$ 15,024	\$ 17,843	\$ -	\$ 46,981	\$ -	\$ -	\$ -	\$ -	\$ -	79,848
Levelized Cost of Capital	\$ 2,404	\$ 2,855	\$ -	\$ 7,517	\$ -	\$ -	\$ -	\$ -	\$ -	12,776
Network Expenses	\$ 517	\$ 613	\$ -	\$ 1,354	\$ -	\$ -	\$ -	\$ -	\$ -	2,484
TOTAL	\$ 2,921	\$ 3,468	\$ -	\$ 8,871	\$ -	\$ -	\$ -	\$ -	\$ -	15,260

Concentrator

	0-5		5-100		100-200		200-650		650-850		850-2550		2550-5000		5000-10000		>10000		Totals	
	lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m			
Fiber Feeder																				
Concentrator Investment																				
DLC Investment	\$	256,739	\$	293,400	\$	-	\$	367,731	\$	-	\$	-	\$	-	\$	-	\$	-	\$	917,870
SAI Investment		7,250		8,400		-		12,000		-		-		-		-		-		27,650
																			\$	-
TOTAL	\$	263,989	\$	301,800	\$	-	\$	379,731	\$	-	\$	-	\$	-	\$	-	\$	-	\$	945,520
		27.92%			0.00%		40.16%		0.00%		0.00%		0.00%		0.00%		0.00%		100.00%	
Levelized Cost of Capital																				
DLC	\$	50,152	\$	57,313	\$	-	\$	71,833	\$	-	\$	-	\$	-	\$	-	\$	-	\$	179,298
SAI		1,160		1,344		-		1,920		-		-		-		-		-		4,424
TOTAL	\$	51,312	\$	58,657	\$	-	\$	73,753	\$	-	\$	-	\$	-	\$	-	\$	-	\$	183,722
Network Expenses																				
DLC	\$	3,928	\$	4,489	\$	-	\$	5,626	\$	-	\$	-	\$	-	\$	-	\$	-	\$	14,043
SAI		142		165		-		235		-		-		-		-		-		542
TOTAL	\$	4,070	\$	4,654	\$	-	\$	5,862	\$	-	\$	-	\$	-	\$	-	\$	-	\$	14,585
Summary																				
Cost of Capital	\$	51,312	\$	58,657	\$	-	\$	73,753	\$	-	\$	-	\$	-	\$	-	\$	-	\$	183,722
Network Expense		4,070		4,654		-		5,862		-		-		-		-		-		14,585
TOTAL	\$	55,382	\$	63,311	\$	-	\$	79,615	\$	-	\$	-	\$	-	\$	-	\$	-	\$	198,307

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

	0-5		5-100		100-200		200-650		650-850		850-2550		2550-5000		5000-10000		>10000		Totals	
	lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m			
Total																				
Concentrator Investment																				
DLC Investment	\$	256,739	\$	293,400	\$	-	\$	367,731	\$	-	\$	-	\$	-	\$	-	\$	-	\$	917,870
SAI Investment		7,250		8,400		-		12,000		-		-		-		-		-		27,650
TOTAL	\$	263,989	\$	301,800	\$	-	\$	379,731	\$	-	\$	-	\$	-	\$	-	\$	-	\$	945,520
		27.92%		31.92%		0.00%		40.16%		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	\$	50,152	\$	57,313	\$	-	\$	71,833	\$	-	\$	-	\$	-	\$	-	\$	-	\$	179,298
SAI		1,160		1,344		-		1,920		-		-		-		-		-		4,424
TOTAL	\$	51,312	\$	58,657	\$	-	\$	73,753	\$	-	\$	-	\$	-	\$	-	\$	-	\$	183,722
Network Expenses																				
DLC	\$	3,928	\$	4,489	\$	-	\$	5,626	\$	-	\$	-	\$	-	\$	-	\$	-	\$	14,043
SAI		142		165		-		235		-		-		-		-		-		542
TOTAL	\$	4,070	\$	4,654	\$	-	\$	5,862	\$	-	\$	-	\$	-	\$	-	\$	-	\$	14,585
Summary																				
Cost of Capital	\$	51,312	\$	58,657	\$	-	\$	73,753	\$	-	\$	-	\$	-	\$	-	\$	-	\$	183,722
Network Expense		4,070		4,654		-		5,862		-		-		-		-		-		14,585
TOTAL	\$	55,382	\$	63,311	\$	-	\$	79,615	\$	-	\$	-	\$	-	\$	-	\$	-	\$	198,307

Feeder

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
Fiber Feeder										
Feeder Investment										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	487,927	668,984	-	27,227	-	-	-	-	-	1,184,139
fiber buried cable	24,285	32,836	-	1,270	-	-	-	-	-	58,391
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	159,562	103,072	-	391,246	-	-	-	-	-	653,880
poles	17,374	10,502	-	19,386	-	-	-	-	-	47,262
TOTAL	\$ 689,148	\$ 815,395	\$ -	\$ 439,129	\$ -	\$ -	\$ -	\$ -	\$ -	1,943,672
	35.46%	41.95%	0.00%	22.59%	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	75,445	103,440	-	4,210	-	-	-	-	-	183,095
fiber aerial cable	3,849	5,204	-	201	-	-	-	-	-	9,255
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	24,672	15,937	-	60,495	-	-	-	-	-	101,105
poles	3,682	2,226	-	4,109	-	-	-	-	-	10,017
TOTAL	\$ 107,648	\$ 126,808	\$ -	\$ 69,015	\$ -	\$ -	\$ -	\$ -	\$ -	303,470
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	18,970	26,009	-	1,059	-	-	-	-	-	46,037
fiber aerial cable	1,527	2,065	-	80	-	-	-	-	-	3,672
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	6,204	4,007	-	15,211	-	-	-	-	-	25,422
poles	717	433	-	800	-	-	-	-	-	1,951
TOTAL	\$ 27,418	\$ 32,515	\$ -	\$ 17,150	\$ -	\$ -	\$ -	\$ -	\$ -	77,082
Summary										
Cost of Capital	\$ 107,648	\$ 126,808	\$ -	\$ 69,015	\$ -	\$ -	\$ -	\$ -	\$ -	303,470
Network Expense	27,418	32,515	-	17,150	-	-	-	-	-	77,082
TOTAL	\$ 135,065	\$ 159,322	\$ -	\$ 86,165	\$ -	\$ -	\$ -	\$ -	\$ -	380,552

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

Feeder

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

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Total										
Feeder Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper u/g cable	-	-	-	-	-	-	-	-	-	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	487,927	668,984	-	27,227	-	-	-	-	-	1,184,139
fiber aerial cable	24,285	32,836	-	1,270	-	-	-	-	-	58,391
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	159,562	103,072	-	391,246	-	-	-	-	-	653,880
poles	17,374	10,502	-	19,386	-	-	-	-	-	47,262
TOTAL	\$ 689,148	\$ 815,395	\$ -	\$ 439,129	\$ -	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	1,943,672
	35.46%	41.95%	0.00%	22.59%	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	75,445	103,440	-	4,210	-	-	-	-	-	183,095
fiber aerial cable	3,849	5,204	-	201	-	-	-	-	-	9,255
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	24,672	15,937	-	60,495	-	-	-	-	-	101,105
poles	3,682	2,226	-	4,109	-	-	-	-	-	10,017
TOTAL	\$ 107,648	\$ 126,808	\$ -	\$ 69,015	\$ -	\$ -	\$ -	\$ -	\$ -	303,470
Network Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper u/g cable	-	-	-	-	-	-	-	-	-	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	18,970	26,009	-	1,059	-	-	-	-	-	46,037
fiber aerial cable	1,527	2,065	-	80	-	-	-	-	-	3,672
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	6,204	4,007	-	15,211	-	-	-	-	-	25,422
poles	717	433	-	800	-	-	-	-	-	1,951
TOTAL	\$ 27,418	\$ 32,515	\$ -	\$ 17,150	\$ -	\$ -	\$ -	\$ -	\$ -	77,082
Summary										
Cost of Capital	\$ 107,648	\$ 126,808	\$ -	\$ 69,015	\$ -	\$ -	\$ -	\$ -	\$ -	303,470
Network Expense	27,418	32,515	-	17,150	-	-	-	-	-	77,082
TOTAL	\$ 135,065	\$ 159,322	\$ -	\$ 86,165	\$ -	\$ -	\$ -	\$ -	\$ -	380,552

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	\$ 195,338	\$ 272,269	\$ -	\$ 819,591	\$ -	\$ -	\$ -	\$ -	\$ -	1,287,199
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	32,241	43,438	-	131,821	-	-	-	-	-	207,500
land	6,721	7,146	-	21,132	-	-	-	-	-	35,000
TOTAL	\$ 234,300 15.32%	\$ 322,853 21.11%	\$ - 0.00%	\$ 972,545 63.58%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	1,529,699 100.00%
Levelized Cost of Capital										
end office switching	\$ 31,609	\$ 44,058	\$ -	\$ 132,624	\$ -	\$ -	\$ -	\$ -	\$ -	208,291
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	4,870	6,561	-	19,912	-	-	-	-	-	31,343
land	1,131	1,202	-	3,556	-	-	-	-	-	5,889
TOTAL	\$ 37,610	\$ 51,822	\$ -	\$ 156,091	\$ -	\$ -	\$ -	\$ -	\$ -	245,523
Network Expenses										
end office switching	\$ 9,279	\$ 12,933	\$ -	\$ 38,931	\$ -	\$ -	\$ -	\$ -	\$ -	61,142
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	3,555	4,790	-	14,536	-	-	-	-	-	22,881
land	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 12,834	\$ 17,723	\$ -	\$ 53,467	\$ -	\$ -	\$ -	\$ -	\$ -	84,023
Summary										
Cost of Capital	\$ 37,610	\$ 51,822	\$ -	\$ 156,091	\$ -	\$ -	\$ -	\$ -	\$ -	245,523
Network Expense	12,834	17,723	-	53,467	-	-	-	-	-	84,023
TOTAL	\$ 50,444	\$ 69,544	\$ -	\$ 209,558	\$ -	\$ -	\$ -	\$ -	\$ -	329,547

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	\$ 1,312	\$ 1,569	\$ -	\$ 4,906	\$ -	\$ -	\$ -	\$ -	\$ -	7,787
SCP wire center	210	251	-	785	-	-	-	-	-	1,246
STP	2,887	3,451	-	10,794	-	-	-	-	-	17,132
signaling links	6,899	2,080	-	5,616	-	-	-	-	-	14,595
TOTAL	\$ 11,309	\$ 7,351	\$ -	\$ 22,101	\$ -	\$ -	\$ -	\$ -	\$ -	40,761
	27.74%	18.03%	0.00%	54.22%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
SCP	\$ 212	\$ 254	\$ -	\$ 794	\$ -	\$ -	\$ -	\$ -	\$ -	1,260
SCP wire center	32	38	-	119	-	-	-	-	-	188
STP	467	558	-	1,747	-	-	-	-	-	2,772
signaling links	1,104	333	-	899	-	-	-	-	-	2,335
TOTAL	\$ 1,815	\$ 1,183	\$ -	\$ 3,558	\$ -	\$ -	\$ -	\$ -	\$ -	6,556
Network Expenses										
SCP	\$ 62	\$ 75	\$ -	\$ 233	\$ -	\$ -	\$ -	\$ -	\$ -	370
SCP wire center	23	28	-	87	-	-	-	-	-	137
STP	137	164	-	513	-	-	-	-	-	814
signaling links	267	81	-	218	-	-	-	-	-	566
TOTAL	\$ 490	\$ 347	\$ -	\$ 1,050	\$ -	\$ -	\$ -	\$ -	\$ -	1,887
Summary										
Cost of Capital	\$ 1,815	\$ 1,183	\$ -	\$ 3,558	\$ -	\$ -	\$ -	\$ -	\$ -	6,556
Network Expense	490	347	-	1,050	-	-	-	-	-	1,887
TOTAL	\$ 2,305	\$ 1,530	\$ -	\$ 4,608	\$ -	\$ -	\$ -	\$ -	\$ -	8,443

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	14,849	18,617	-	82,668	-	-	-	-	-	116,135
aerial cable	415	516	-	2,287	-	-	-	-	-	3,217
poles	303	378	-	1,678	-	-	-	-	-	2,359
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 15,567	\$ 19,510	\$ -	\$ 86,633	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 121,710
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	2,296	2,879	-	12,782	-	-	-	-	-	17,957
aerial cable	66	82	-	362	-	-	-	-	-	510
poles	64	80	-	356	-	-	-	-	-	500
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 2,426	\$ 3,040	\$ -	\$ 13,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,967
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	577	724	-	3,214	-	-	-	-	-	4,515
aerial cable	26	32	-	144	-	-	-	-	-	202
poles	12	16	-	69	-	-	-	-	-	97
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 616	\$ 772	\$ -	\$ 3,427	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,815
Summary										
Cost of Capital	\$ 2,426	\$ 3,040	\$ -	\$ 13,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,967
Network Expense	616	772	-	3,427	-	-	-	-	-	4,815
TOTAL	\$ 3,042	\$ 3,812	\$ -	\$ 16,928	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,782
Transmission Terminal										
investment	\$ 12,808	\$ 19,029	\$ -	\$ 84,847	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 116,684
levelized cost of capital	2,502	3,717	-	16,574	-	-	-	-	-	22,793
network expenses	196	291	-	1,298	-	-	-	-	-	1,785
TOTAL	\$ 2,698	\$ 4,008	\$ -	\$ 17,872	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,578

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	32,158	15,167	-	43,862	-	-	-	-	-	91,188
aerial cable	933	444	-	1,268	-	-	-	-	-	2,645
poles	666	308	-	892	-	-	-	-	-	1,867
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 33,758	\$ 15,919	\$ -	\$ 46,022	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95,700
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	4,972	2,345	-	6,782	-	-	-	-	-	14,100
aerial cable	148	70	-	201	-	-	-	-	-	419
poles	141	65	-	189	-	-	-	-	-	396
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 5,262	\$ 2,481	\$ -	\$ 7,172	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,915
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	1,250	590	-	1,705	-	-	-	-	-	3,545
aerial cable	59	28	-	80	-	-	-	-	-	166
poles	28	13	-	37	-	-	-	-	-	77
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 1,336	\$ 630	\$ -	\$ 1,822	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,789
Summary										
Cost of Capital	\$ 5,262	\$ 2,481	\$ -	\$ 7,172	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,915
Network Expense	1,336	630	-	1,822	-	-	-	-	-	3,789
TOTAL	\$ 6,598	\$ 3,111	\$ -	\$ 8,994	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,703
Transmission Terminal										
investment	\$ 8,152	\$ 12,699	\$ -	\$ 38,458	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 59,309
levelized cost of capital	1,592	2,481	-	7,512	-	-	-	-	-	11,586
network expenses	125	194	-	588	-	-	-	-	-	907
TOTAL	\$ 1,717	\$ 2,675	\$ -	\$ 8,101	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,493

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	77,025	46,682	-	138,280	-	-	-	-	-	261,986
aerial cable	2,231	1,362	-	3,986	-	-	-	-	-	7,579
poles	1,595	949	-	2,811	-	-	-	-	-	5,355
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 80,851	\$ 48,993	\$ -	\$ 145,077	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 274,920
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	11,910	7,218	-	21,381	-	-	-	-	-	40,509
aerial cable	354	216	-	632	-	-	-	-	-	1,201
poles	338	201	-	596	-	-	-	-	-	1,135
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 12,601	\$ 7,635	\$ -	\$ 22,609	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 42,845
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	2,995	1,815	-	5,376	-	-	-	-	-	10,186
aerial cable	140	86	-	251	-	-	-	-	-	477
poles	66	39	-	116	-	-	-	-	-	221
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 3,201	\$ 1,940	\$ -	\$ 5,743	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,883
Summary										
Cost of Capital	\$ 12,601	\$ 7,635	\$ -	\$ 22,609	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 42,845
Network Expense	3,201	1,940	-	5,743	-	-	-	-	-	10,883
TOTAL	\$ 15,802	\$ 9,575	\$ -	\$ 28,351	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,728
Transmission Terminal										
investment	\$ 21,905	\$ 39,477	\$ -	\$ 122,647	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 184,030
levelized cost of capital	4,279	7,712	-	23,958	-	-	-	-	-	35,949
network expenses	335	604	-	1,877	-	-	-	-	-	2,816
TOTAL	\$ 4,614	\$ 8,316	\$ -	\$ 25,834	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,764

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	\$ 997	\$ 1,192	\$ -	\$ 3,729	\$ -	\$ -	\$ -	\$ -	\$ -	5,918
wire center	1,312	1,569	-	4,906	-	-	-	-	-	7,787
TOTAL	\$ 2,310	\$ 2,761	\$ -	\$ 8,635	\$ -	\$ -	\$ -	\$ -	\$ -	13,706
Levelized Cost of Capital										
tandem switching	\$ 161	\$ 193	\$ -	\$ 603	\$ -	\$ -	\$ -	\$ -	\$ -	958
wire center	198	237	-	741	-	-	-	-	-	1,176
TOTAL	\$ 360	\$ 430	\$ -	\$ 1,345	\$ -	\$ -	\$ -	\$ -	\$ -	2,134
Network Expenses										
tandem switching	\$ 47	\$ 57	\$ -	\$ 177	\$ -	\$ -	\$ -	\$ -	\$ -	281
wire center	145	173	-	541	-	-	-	-	-	859
TOTAL	\$ 192	\$ 230	\$ -	\$ 718	\$ -	\$ -	\$ -	\$ -	\$ -	1,140
Summary										
Cost of Capital	\$ 360	\$ 430	\$ -	\$ 1,345	\$ -	\$ -	\$ -	\$ -	\$ -	2,134
Network Expense	192	230	-	718	-	-	-	-	-	1,140
TOTAL	\$ 552	\$ 659	\$ -	\$ 2,063	\$ -	\$ -	\$ -	\$ -	\$ -	3,274

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	\$ 420	\$ 502	\$ -	\$ 1,570	\$ -	\$ -	\$ -	\$ -	\$ -	2,492
OS Tandem Wire Center	525	627	-	1,963	-	-	-	-	-	3,115
OS Trunks	14,224	7,182	-	19,888	-	-	-	-	-	41,294
OS Position	778	930	-	2,909	-	-	-	-	-	4,616
TOTAL	\$ 15,947	\$ 9,241	\$ -	\$ 26,329	\$ -	\$ -	\$ -	\$ -	\$ -	51,517
Levelized Cost of Capital										
OS Tandem Switching	\$ 68	\$ 81	\$ -	\$ 254	\$ -	\$ -	\$ -	\$ -	\$ -	403
OS Tandem Wire Center	79	95	-	296	-	-	-	-	-	471
OS Trunks	2201.314222	1111.520413	0	3077.978441	0	0	0	0	0	6,391
OS Position	188	225	-	704	-	-	-	-	-	1,117
TOTAL	\$ 2,537	\$ 1,513	\$ -	\$ 4,332	\$ -	\$ -	\$ -	\$ -	\$ -	8,382
Network Expenses										
OS Tandem Switching	\$ 20	\$ 24	\$ -	\$ 75	\$ -	\$ -	\$ -	\$ -	\$ -	118
OS Tandem Wire Center	58	69	-	216	-	-	-	-	-	343
OS Trunks	551	278	-	771	-	-	-	-	-	1,601
OS Position	53	63	-	196	-	-	-	-	-	312
Operator Wages	1,345	1,608	-	5,030	-	-	-	-	-	7,984
TOTAL	\$ 2,027	\$ 2,042	\$ -	\$ 6,288	\$ -	\$ -	\$ -	\$ -	\$ -	10,358
Summary										
Cost of Capital	\$ 2,537	\$ 1,513	\$ -	\$ 4,332	\$ -	\$ -	\$ -	\$ -	\$ -	8,382
Network Expense	2,027	2,042	-	6,288	-	-	-	-	-	10,358
TOTAL	\$ 4,564	\$ 3,555	\$ -	\$ 10,621	\$ -	\$ -	\$ -	\$ -	\$ -	18,740

Public Telephone

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Public Telephone Investment	\$ 1,914	\$ 2,894	\$ -	\$ 11,868	\$ -	\$ -	\$ -	\$ -	\$ -	16,676
	11.48%	17.36%	0.00%	71.17%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital	\$ 391	\$ 592	\$ -	\$ 2,427	\$ -	\$ -	\$ -	\$ -	\$ -	3,410
Network Expenses	\$ 360	\$ 544	\$ -	\$ 2,233	\$ -	\$ -	\$ -	\$ -	\$ -	3,137
Summary										
Cost of Capital	\$ 391	\$ 592	\$ -	\$ 2,427	\$ -	\$ -	\$ -	\$ -	\$ -	3,410
Network Expense	360	544	-	2,233	-	-	-	-	-	3,137
TOTAL	\$ 751	\$ 1,136	\$ -	\$ 4,659	\$ -	\$ -	\$ -	\$ -	\$ -	6,547

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	0.14913	0.14927	0.14948	0.14967	0.14987	0.14997
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	0.12699	0.12746	0.12792	0.12837	0.12880	0.12922	0.12964	0.13004	0.13043	0.13081	0.13118	0.13154	0.13189
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	0.12209
27	0.11167	0.11238	0.11307	0.11374	0.11440	0.11503	0.11565	0.11625	0.11683	0.11740	0.11795	0.11849	0.11902	0.11953	0.12003
28	0.10928	0.11003	0.11075	0.11146	0.11214	0.11281	0.11345	0.11408	0.11470	0.11529	0.11588	0.11644	0.11699	0.11753	0.11806
29	0.10689	0.10768	0.10843	0.10917	0.10989	0.11058	0.11126	0.11192	0.11256	0.11319	0.11380	0.11439	0.11497	0.11553	0.11608
30	0.10450	0.10532	0.10611	0.10689	0.10763	0.10836	0.10907	0.10976	0.11043	0.11108	0.11172	0.11234	0.11294	0.11353	0.11410
31	0.10212	0.10297	0.10380	0.10460	0.10538	0.10614	0.10688	0.10760	0.10830	0.10898	0.10964	0.11029	0.11092	0.11153	0.11213
32	0.09973	0.10061	0.10148	0.10231	0.10313	0.10392	0.10469	0.10543	0.10616	0.10687	0.10756	0.10823	0.10889	0.10953	0.11015
33	0.09734	0.09826	0.09916	0.10003	0.10087	0.10169	0.10249	0.10327	0.10403	0.10476	0.10548	0.10618	0.10686	0.10753	0.10818
34	0.09495	0.09591	0.09684	0.09774	0.09862	0.09947	0.10030	0.10111	0.10189	0.10266	0.10340	0.10413	0.10484	0.10553	0.10620
35	0.09256	0.09355	0.09452	0.09545	0.09636	0.09725	0.09811	0.09894	0.09973	0.10055	0.10133	0.10208	0.10281	0.10353	0.10423
36	0.09017	0.09120	0.09220	0.09317	0.09411	0.09502	0.09592	0.09678	0.09763	0.09845	0.09925	0.10003	0.10079	0.10153	0.10225
37	0.08778	0.08885	0.08988	0.09088	0.09185	0.09280	0.09372	0.09462	0.09549	0.09634	0.09717	0.09797	0.09876	0.09953	0.10027
38	0.08539	0.08649	0.08756	0.08859	0.08960	0.09058	0.09153	0.09246	0.09336	0.09424	0.09509	0.09592	0.09673	0.09753	0.09830
39	0.08301	0.08414	0.08524	0.08631	0.08735	0.08836	0.08934	0.09029	0.09122	0.09213	0.09301	0.09387	0.09471	0.09553	0.09632
40	0.08062	0.08179	0.08292	0.08402	0.08509	0.08613	0.08715	0.08813	0.08909	0.09002	0.09093	0.09182	0.09269	0.09352	0.09435
41	0.07823	0.07943	0.08060	0.08173	0.08284	0.08391	0.08495	0.08597	0.08696	0.08792	0.08885	0.08977	0.09066	0.09152	0.09237
42	0.07584	0.07708	0.07828	0.07945	0.08058	0.08169	0.08276	0.08381	0.08482	0.08581	0.08678	0.08772	0.08863	0.08952	0.09039
43	0.07345	0.07472	0.07596	0.07716	0.07833	0.07946	0.08057	0.08164	0.08269	0.08371	0.08470	0.08566	0.08660	0.08752	0.08842
44	0.07106	0.07237	0.07364	0.07488	0.07608	0.07724	0.07838	0.07948	0.08055	0.08160	0.08262	0.08361	0.08458	0.08552	0.08644
45	0.06867	0.07002	0.07132	0.07259	0.07382	0.07502	0.07618	0.07732	0.07842	0.07949	0.08054	0.08156	0.08255	0.08352	0.08447
46	0.06628	0.06766	0.06900	0.07030	0.07157	0.07280	0.07399	0.07515	0.07629	0.07739	0.07846	0.07951	0.08053	0.08152	0.08249
47	0.06390	0.06531	0.06668	0.06802	0.06931	0.07057	0.07180	0.07299	0.07415	0.07528	0.07638	0.07746	0.07850	0.07952	0.08051
48	0.06151	0.06296	0.06436	0.06573	0.06706	0.06835	0.06961	0.07085	0.07202	0.07318	0.07430	0.07540	0.07648	0.07752	0.07854
49	0.05912	0.06060	0.06204	0.06344	0.06480	0.06613	0.06741	0.06867	0.06988	0.07107	0.07223	0.07335	0.07445	0.07552	0.07656
50	0.05673	0.05825	0.05972	0.06116	0.06255	0.06390	0.06522	0.06650	0.06775	0.06896	0.07015	0.07130	0.07242	0.07352	0.07459
51	0.05434	0.05589	0.05740	0.05887	0.06030	0.06168	0.06303	0.06434	0.06562	0.06686	0.06807	0.06925	0.07040	0.07152	0.07261
52	0.05195	0.05354	0.05508	0.05658	0.05804	0.05946	0.06084	0.06218	0.06348	0.06475	0.06599	0.06720	0.06837	0.06952	0.07063
53	0.04956	0.05119	0.05277	0.05430	0.05579	0.05724	0.05864	0.06001	0.06135	0.06265	0.06391	0.06514	0.06635	0.06752	0.06866
54	0.04717	0.04883	0.05045	0.05201	0.05353	0.05501	0.05645	0.05785	0.05921	0.06054	0.06183	0.06309	0.06432	0.06552	0.06668
55	0.04479	0.04648	0.04813	0.04973	0.05128	0.05279	0.05426	0.05569							

EXPENSE MODULE INPUTS

	User Inputs	Calculations
State	Missouri	
Company	Mcdonald County Telephone Co	

May 4, 2006
4:15 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	36,798	
intrastate DEMs, thousands	7,857	
interstate DEMs, thousands	7,757	
Local call completion fraction	70.00%	
Total local calls attempted	8,338	
Total intraLATA calls completed	499	
Total interLATA calls completed - intrastate	502	
Total interLATA calls completed - interstate	1,068	
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	6	
Average trunk utilization	30.00%	

52,412 total DEMs, thousands
5,837 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	\$ 113,213
2421-nm	Aerial Cable - Non-Metall	22.24	-0.1753	18.92	\$ 65,970
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	\$ 2,237,080
2423-nm	Buried - Non-Metallic	23.86	-0.0858	21.97	\$ 1,653,448
2426-m	Intrabuilding - Metallic	15.71	-0.1674	13.57	
2426-nm	Intrabuilding - Non-Metall	23.62	-0.1052	21.37	
2441	Conduit Systems	50.92	-0.1034	46.15	
Average Metallic Cable (calculated)				18.06	\$ 2,350,292
Average Non-Metallic Cable (calculated)				21.84	\$ 1,719,418

\$ 8,316
\$ 3,486
\$ -
\$ -
\$ 121,848
\$ 75,244
\$ 130,163
\$ 78,730

Structure fraction assigned to telephone

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

Usage Calculations

Intrastate Toll DEMs	7,857,000	
Interstate Toll DEMs	7,757,000	
trunk port usage	90,239,159	
trk-min/mo	10,044	
interLATA ded. trunks	130	
Common Transport MOU		
Local	86,051	w/o OS usage
Intrastate Toll	7,857,000	
Interstate Toll	7,757,000	
	15,700,051	
Intrastate IntraLATA Calls	499	49.85% SOCCC message counts
Intrastate InterLATA Calls	502	50.15%
	1,001	

Calculation of EO Usage

Local DEMs, incl OS	36,798,000	70.2% of total DEMs
Intraoffice Local DEMs	32,369,282	
Intraoffice Local Actual Min	16,184,641	
Interoffice Local Actual Min	4,428,718	per end
Intrastate Toll Actual Min	7,857,000	
Interstate Toll Actual Min	<u>7,757,000</u>	
	36,227,359	
Tandem Switch MOU		
Local	43,026	Dedicated Trunk-SW
IntraLATA Toll	1,958,363	147
InterLATA Toll	<u>11,697,274</u>	
	13,698,662	

TRANSFORMED REGULATED		1995 COMPANY NAME:	ICO	
		OTHER TAXES & UNCOLLECTIBLES CALCULATION	EXPENSES	NET REVENUES
		7230 OPERATING STATE & LOCAL INCOME TAX-NET	20	
		7240 OPERATING OTHER TAXES	86	
		5300 UNCOLLECTIBLE REVENUES		33
		530 NET REVENUES		2,062
		GROSS REVENUES (5300 + 530)		2,094
		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		28
		2121 BUILDINGS		409
6121	2121	TOTAL LAND & BUILDINGS	45	437
				0.103180
6112	2112	2112 MOTOR VEHICLES	2	71
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	55
6122	2122	2122 FURNITURE	3	27
6123	2123	2123 OFFICE EQUIPMENT	7	69
6124	2124	2124 GENERAL PRUPOSE COMPUTERS	68	106
6120	2110	2110 TOTAL LAND & SUPPORT ASSETS	123	770
				0.15965268
		TPIS - CENTRAL OFFICE SWITCHING		
		-		
6211	2211	2211 ANALOG ELECT SWITCH	2	45
6212	2212	2212 DIGITAL ELECTRONIC SWITCHING	77	1,347
6220	2220	2220 OPERATOR SYSTEMS	1	20
6210	2210	2210221022102210 CENTRAL OFFICE SWITCH	80	1,412
		TPIS - CENTRAL OFFICE TRANSMISSION		
		-		
6232	2232	2232 CIRCUIT EQUIPMENT	15	928
6230	2230	2230 TRANSMISSION	16	970
				0.016263483
		0.01663194		
		TPIS - INFORMATION ORIG/TERM		
		-		
6311	2311	2311 STATION APPARATUS	0	1
6321	2321	2321 CUSTOMER PREMISES WIRING	0	0
6341	2341	2341 LARGE PRIVATE BRANCH EXCHANGE	0	0
6351	2351	2351 PUBLIC TEL TERMINAL EQUIPMENT	6	29
6362	2362	2362 OTHER TERMINAL EQUIPMENT	9	51
6310	2310	2310 TOTAL INFORMATION ORIG/TERM	15	81
				0.18237792
		TPIS - CABLE & WIRE FACILITIES		
		-		
6411	2411	2411 POLES	7	169
6421	2421	2421 AERIAL CABLE	47	754
6422	2422	2422 UNDERGROUND CABLE	9	489
6423	2423	2423 BURIED CABLE	52	1,334
6441	2441	2441 CONDUIT SYSTEMS	1	272
6410	2410	2410 TOTAL CABLE & WIRE FACILITIES	118	3,032
				0.038842
		240 TOTAL TPIS(BEFORE AMORTIZABLE ASSETS)	234	6,312
		(2110+2210+2220+2230+2310+2410)		0.037062996
		PLANT NON-SPECIFIC OPERATIONS EXPENSES	A. EXPENSES	B. TPIS INVESTMENT
		=	=	C. EXP/INV (A/B)
6512	240	6512 PROVISIONING EXPENSES	2	6,312
				0.000300
6531	240	6531 POWER EXPENSES	10	6,312
6532	240	6532 NETWORK ADMINISTRATION	26	6,312
6533	240	6533 TESTING	27	6,312
6534	240	6534 PLANT OPERATIONS ADMINISTRATION	40	6,312
6535	240	6535 ENGINEERING	21	6,312
6540	240	6540 ACCESS EXPENSE	35	6,312
6530	240	6530 TOTAL NETWORK OPERATIONS EXPENSES	125	6,312
6561	240	6561 DEPRECIATION - TPIS	440	6,312
		65616561656165616561 DEPRECIATION - TPIS	440	6,312
		NETWORK SUPPORT FACTOR CALCULATION	A. EXPENSES	B. CABLE & WIRE INV
		=	=	C. EXP/INV (A/B)
6112		2112 MOTOR VEHICLES	2	
6113		2113 AIRCRAFT	1	
6114		2114 SPECIAL PURPOSE VEHICLES	0	
6115		2115 GARAGE WORK EQUIPMENT	0	
6116		2116 OTHER WORK EQUIPMENT	1	
2410		TOTAL NETWORK SUPPORT (EXCL 2113)	3	3,032
				0.001041087
		CUSTOMER OPERATIONS EXPENSES	A. EXPENSES	B. NET REVENUES
		=	=	C. EXP/NET REV (A/B)
6611		6611 PRODUCT MANAGEMENT	18	CALC
6612		6612 SALES	33	CALC
6613		6613 PRODUCT ADVERTISING	12	CALC
6610		6610 TOTAL MARKETING EXPENSES	63	CALC
6621		6621 CALL COMPLETION SERVICE	14	CALC
6622		6622 NUMBER SERVICES	34	CALC
6623		6623 CUSTOMER SERVICES	113	CALC

6620	6620 TOTAL SERVICES EXPENSES	162	CALC
*	700 TOTAL CUSTOMER OPERATIONS EXPENSE (6610 + 6620)	225	CALC
	CORPORATE OPERATIONS EXPENSES	A. EXPENSES	B. REVENUES
			C. EXP/REV (A/B)
6711	6711 EXECUTIVE	9	CALC
6712	6712 PLANNING	4	CALC
6710	6710 TOTAL EXECUTIVE & PLANNING	13	CALC
6721	6721 ACCOUNTING & FINANCE	26	CALC
6722	6722 EXTERNAL RELATIONS	16	CALC
6723	6723 HUMAN RESOURCES	18	CALC
6724	6724 INFORMATION MANAGEMENT	71	CALC
6725	6725 LEGAL	6	CALC
6726	6726 PROCUREMENT	3	CALC
6727	6727 RESEARCH & DEVELOPMENT	4	CALC
6728	6728 OTHER GENERAL & ADMINISTRATIVE	60	CALC
6720	6720 TOTAL GENERAL & ADMINISTRATIVE	293	CALC
	710 TOTAL CORPORATE OPERATIONS EXPENSE (6710 + 6720 + 6790)	267	CALC
	720 TOTAL OPERATING EXPENSES		CALC
	DEM - LOCAL	36,798	
	DEM - INTRASTATE	7,857	
	DEM - INTERSTATE	7,757	
	MESSAGES - INTRALATA	499	
	MESSAGES - INTERLATA - interstate	1,068	
	MESSAGES - INTERLATA - intrastate	502.3742025	
4308 (EC)	LOCAL CALL ATTEMPTS	8,338	
	LINES - BUSINESS	810	
	RESIDENTIAL	2,194	
	PUBLIC	25	
	SPECIAL	201	
	TOTAL	3,234	
	5081 END USER		137
	5082 SWITCHED ACCESS		307
	5083 SPECIAL ACCESS		57
	TOTAL INTER ACCESS		501
	5084 END USER		
	5084 SWITCHED ACCESS		
	5084 SPECIAL ACCESS		
	STATE ACCESS		258
	TOTAL ACCESS REVENUES		759
	LD MESSAGE REVENUE		
	5100 INTERSTATE MESSAGE		
	5100 INTRASTATE MESSAGE		
	5100 INTERSTATE CALLING PLAN		
	5100 INTRASTATE CALLING PLAN		
	LD MSG REV (CLASS A)		217
	UNIDIRECTIONAL LD		
	5110 INTERSTATE		
	INTRASTATE		
	TOTAL		8
	5120 LD PRIVATE NETWORK		18
	OTHER LD		
	5160 INTERSTATE		
	INTRASTATE		
	TOTAL		3
	TOTAL LD NETWORK REVENUE		
	INTERSTATE		
	INTRASTATE		
	TOTAL		246
	BASIC LOCAL SERVICE		
	5001 BASIC AREA		668
	5002 OPTIONAL EXTEND AREA		20
	5003 CELLAR MOBIL		16
	5004 OTHER MOBIL SVC		1
	TOTAL BASIC SVC		706
	PUBLIC TELEPHONE REVENUE		
	5010 LOCAL PUBLIC MSG		
	UNIVERSAL		
	PB EXCHANGE IX CARRIER		
	CC COINLESS		
	PUBLIC EXH		

Actuals for 1996 (\$000s)

	Investments	Expenses	Calculated Factor	
Plant-Specific Operations Expenses				
TPIS - General Support				
2111 Land	\$ 28	\$ -	-	
2112 Motor Vehicles	\$ 71	\$ 2	0.0348	
2113 Aircraft	\$ 3	\$ 1	0.3125	
2114 Special Purpose Vehicles	\$ 0	\$ 0	0.0142	
2115 Garage Work Equipment	\$ 2	\$ 0	0.0353	
2116 Other Work Equipment	\$ 55	\$ 1	0.0113	
2121 Buildings	\$ 409	\$ 45	0.1103	Land & Bldg Exp Applied to Bldgs
2122 Furniture	\$ 27	\$ 3	0.1224	
2123 Office Equipment	\$ 69	\$ 7	0.1015	
2124 General Purpose Computers	\$ 106	\$ 68	0.6381	
2110 Total Land & Support Assets	\$ 770	\$ 127	0.1650	
TPIS - Central Office Switching				
2211 Analog Electronic Switching	\$ 45	\$ 2	0.0453	
2212 Digital Electronic Switching	\$ 1,347	\$ 77	0.0569	4.75% NET CO Switch Factor
2210 Total Central Office Switching	\$ 1,392	\$ 79	0.0565	
2220 Operator Systems	\$ 20	\$ 1	0.0675	
TPIS - Central Office Transmission				
2231 Satellite & Earth Station Facilities				
2231 Other Radio Facilities				
2231 Radio Systems				
2232 Circuit Equipment	\$ 928	\$ 15	0.0163	1.53% alternative factor
2230 Total Central Office Transmission	\$ 928	\$ 15	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	\$ 29	\$ 6	0.1881	
2362 Other Terminal Equipment	\$ 51	\$ 9	0.1763	
2310 Total Information Orig/Term	\$ 81	\$ 15	0.1824	
TPIS - Cable & Wire Facilities				
2411 Poles	\$ 160	\$ 7	0.0413	
2421 Aerial Cable	\$ 754	\$ 47	0.0629	0.0629
2422 Underground Cable	\$ 480	\$ 9	0.0196	0.0196
2423 Buried Cable	\$ 1,334	\$ 52	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	\$ 272	\$ 1	0.0037	
2410 Total Cable & Wire Facilities	\$ 3,000	\$ 116	0.0388	
240 Total TPIS (before amortizable assets)	\$ 5,421	\$ 353	0.0652	
Plant Non-Specific Operations Expenses				
	Expenses	Investment	Factor	
6512 Provisioning Expenses	\$ 2	\$ 5,421	0.0003	
6531 Power Expenses	\$ 10	\$ 5,421	0.0019	8.10% all
6532 Network Administration	\$ 26	\$ 5,421	0.0048	20.47% switching, interoffice
6533 Testing	\$ 27	\$ 5,421	0.0050	21.22% all
6534 Plant Operations Administration	\$ 40	\$ 5,421	0.0074	31.89% all
6535 Engineering	\$ 21	\$ 5,421	0.0039	16.83% all
6540 Access Expense				
6530 Total Network Operations Expenses (includes provisioning)	\$ 126	\$ 5,421	0.0233	per line network operations
Network Support Factor Calculation				total lines (from net. invest. inputs)
	Expenses	Cable & Wire Inv	Factor	
6112 Motor Vehicles	\$ 2			
6113 Aircraft	\$ 1			
6114 Special Purpose Vehicles	\$ 0			
6115 Garage Work Equipment	\$ 0			
6116 Other Work Equipment	\$ 1			
Aircraft & Special Purpose Vehicles	\$ 3	\$ 3,000	0.0011	annual net ops per line
				\$ 39.11

Customer Operations Expenses

	Expenses		Net Revenues		Factor		
6611 Product Management *	\$	18	\$	0.4638	\$	1,082	0.0166
6612 Sales *	\$	33	\$	0.8522	\$	1,082	0.0306
6613 Product Advertising	\$	12			\$	1,082	0.0110
6610 Total Marketing Expenses	\$	63					0.0582
6621 Call Completion Service	\$	14			\$	1,082	0.0131
6622 Number Services	\$	34	\$	0.8863	\$	1,082	0.0318
6623 Customer Services	\$	113	\$	2.9168	\$	1,082	0.1046
6620 Total Services Expenses	\$	162	\$	4.23			0.1495
Billing/bill inquiry (per line/month)	\$	2.30					
Directory listing (per line/month)		-					
700 Total Customer Operations Expenses	\$	224.79			\$	1,082	0.2078
							0.2442

Corporate Operations Expenses

Corporate Operations Expense		Expenses	Revenues	Factor		
6711 Executive	\$	9	\$	1,082	0.0079	
6712 Planning	\$	4	\$	1,082	0.0039	
6710 Total Executive & Planning	\$	13	\$	1,082	0.0117	
6721 Accounting & Finance	\$	26	\$	1,082	0.0237	
6722 External Relations	\$	16	\$	1,082	0.0144	
6723 Human Resources	\$	18	\$	1,082	0.0171	
6724 Information Management	\$	71	\$	1,082	0.0653	
6725 Legal	\$	6	\$	1,082	0.0055	
6726 Procurement	\$	3	\$	1,082	0.0030	
6727 Research & Development	\$	4	\$	1,082	0.0038	
6728 Other General & Administrative	\$	60	\$	1,082	0.0554	
6720 Total General & Administrative	\$	203	\$	1,082	0.1880	
710 Total Corporate Operations Expense	\$	216	\$	1,082	0.1040	0.2347
720 Total Operating Expenses	\$	921				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	\$ 27	\$ 69	\$ 106	\$ 71	\$ 205	\$ 2	\$ 55
Investment/TPIS	0.005	0.013	0.020	0.013	0.038	0.000	0.010
Expense	\$ 3	\$ 7	\$ 68	\$ 2	\$ 23	\$ 0	\$ 1
Expense Factor	0.122	0.101	0.638	0.035	0.110	0.035	0.011
Model TPIS	\$ 10,860	\$ 10,860	\$ 10,860	\$ 10,860	\$ 10,860	\$ 10,860	\$ 10,860
Calculated Investment	\$ 54	\$ 138	\$ 212	\$ 142	\$ 410	\$ 4	\$ 111
Calculated Expense	\$ 7	\$ 14	\$ 135	\$ 5	\$ 45	\$ 0	\$ 1
Subtotal (\$s)	\$ 91,611						
Total Misc Expense	\$ 91,611						

Other Taxes & Uncollectibles Calculation

	Expenses		Net Revenues		Factor
7230 Operating State & Local Income Tax	\$	20	\$	(105)	
7240 Operating Other Taxes	\$	86	\$	(105)	0.0500
5300 Uncollectible Revenues	\$	33	\$	1,082	0.0301
retail					0.0227
wholesale					0.0043
Ratio of Net Plant to TPIS					
TPIS	\$	5,421			
Net Plant	\$	5,421			
Ratio	\$	1			
Model Investment	\$	-			
Model % of Net Plant	\$	-			
Model % of TPIS		0%			

Actual 1996 Revenue

		% of total
Interstate Access		
5081 End User	\$ 137	8.26%
5082 Switched Access	\$ 307	18.49%
5083 Special Access	\$ 57	3.40%
Total Inter Access	\$ 501	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	\$ 501	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	\$ 217	13.08%
Unidirectional LD Revenue		
5110 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 8	0.48%
LD Private Network Revenue		
5120 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 18	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	\$ 246	14.81%

Basic Local Service		
5001 Basic Area	\$ 668	40.21%
5002 Optional Extended Area	\$ 20	1.23%
5003 Cellular Mobile	\$ 16	0.95%
5004 Other Mobile Svcs	\$ 1	0.08%
Total Basic Local Service	\$ 706	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	\$ 20	1.18%
Local Private Line Revenue		
5040 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total Private Line	\$ 23	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	\$ 164	9.89%
Total Local Network Service Revenue		
Interstate	\$ -	0.00%
Intrastate	\$ 914	55.04%
Total Revenue	\$ 1,661	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\HMWKMO4219121.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	8,338	8,338	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	499	499	Distribution Buried Shring Fraction - 100	1.00	1.00
InterLATA intrastate Calls Completed	502	502	Distribution Buried Shring Fraction - 200	1.00	1.00
InterLATA interstate Calls Completed	1,068	1,068	Distribution Buried Shring Fraction - 650	1.00	1.00
Local DEMs, thousands	36,798	36,798	Distribution Buried Shring Fraction - 850	1.00	1.00
Intrastate DEMs, thousands	7,857	7,857	Distribution Buried Shring Fraction - 2550	1.00	1.00
Interstate DEMs, thousands	7,757	7,757	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			

HAI Model Release 5.0a
User Adjustable Inputs

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