

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	682	-	682	-	-	-	682	\$	-	\$	-	\$	1,339,330	\$	65,974	\$	-	\$	-	\$	387,374
5	DLC																					
100	DLC	461	154	277	25	5	12	277	\$	-	\$	-	\$	-	\$	14,276	\$	688	\$	-	\$	127,691
200	DLC																					
650	DLC																					
850	DLC																					
2550	DLC																					
5000	DLC																					
10000	DLC																					
0	non-DLC																					
5	non-DLC																					
100	non-DLC																					
200	non-DLC																					
650	non-DLC																					
850	non-DLC																					
2550	non-DLC																					
5000	non-DLC																					
10000	non-DLC																					
Totals/Avg		1,143	154	960	25	5	12	960	\$	-	\$	-	\$	-	\$	1,353,606	\$	66,663	\$	-	\$	515,065

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	\$ 41,870	\$ -	\$ 882,288	\$ 44,650	\$ -	\$ -	\$ 1,439,301	\$ 88,404	0.00%	33.49%	0.00%	\$ 618,135	\$ 10,600	\$ 57,295	\$ 73,115	\$ 19,792	438,168
5	DLC																	
100	DLC	\$ 12,289	\$ -	\$ 271,930	\$ 13,762	\$ -	\$ -	\$ 173,825	\$ 11,259	0.00%	38.38%	0.00%	\$ 136,500	\$ 3,400	\$ 19,331	\$ 24,130	\$ 10,746	6,303
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		\$ 54,159	\$ -	\$ 1,154,218	\$ 58,412	\$ -	\$ -	\$ 1,613,126	\$ 99,663				\$ 754,635	\$ 14,000	\$ 76,625	\$ 97,245	\$ 30,538	444,471

HA

density zone (lines/sq mi)	feeder type	total distribution distance	DLC lines	end office switching	MDF/protector inv	end office wire center	land	local tandem switching	local tandem wire center	OS tandem switching	OS tandem wire center	OS trunks	operator position	common transport, u/g	common transport, buried	common transport, aerial	common transport, poles	common transport, conduit															
0	DLC	847,733	682	\$	1,433,565	\$	-	\$	121,094	\$	16,146	\$	1,297	\$	1,706	\$	546	\$	682	\$	119,248	\$	999		\$	523,855	\$	16,379	\$	10,231	\$	-	
5	DLC																																
100	DLC	103,375	461	\$	347,286	\$	-	\$	28,906	\$	3,854	\$	827	\$	1,089	\$	348	\$	436	\$	31,026	\$	638		\$	185,392	\$	5,798	\$	3,344	\$	-	
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		951,108	1,143	\$	1,780,851	\$	-	\$	150,000	\$	20,000	\$	2,124	\$	2,795	\$	894	\$	1,118	\$	150,274	\$	1,637	\$	-	\$	709,247	\$	22,178	\$	13,575	\$	-

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		\$ 216,999		\$ 259,472	\$ 8,115	\$ 5,073	\$ -		\$ 109,586		\$ 65,655	\$ 2,053	\$ 1,228	\$ -		\$ 20,990	15
5	DLC																	
100	DLC	\$	41,667	\$	68,860	\$ 2,154	\$ 1,242	\$ -		\$ 15,476		\$ 137,779	\$ 4,309	\$ 2,485	\$ -		\$ 30,966	5
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		\$ -	\$ 258,666	\$ -	\$ 328,332	\$ 10,268	\$ 6,315	\$ -	\$ -	\$ 125,062	\$ -	\$ 203,434	\$ 6,362	\$ 3,713	\$ -	\$ -	\$ 51,956	20

HA																
density zone (lines/sq mi)	feeder type	prop local tandem trunks	prop intraLATA direct trunks	prop intraLATA tandem trunks	prop access dedicated trunks	prop access tandem trunks	prop operator trunks	SCP investment	SCP wire center inv	STP inv	signaling link inv	total public telephone inv	total residential annual DEMs	total business annual DEMs	Total Investment	
0	DLC	6	3	17	9	35	11	1,706	\$ 273	\$ 3,754	\$ 67,442	\$ 802	10,617,065	-	8,077,024	
5	DLC														-	
100	DLC	2	1	8	20	18	4	1,089	\$ 174	\$ 2,395	\$ 12,541	\$ 2,698	4,314,952	3,589,984	1,752,606	
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		8	4	25	29	53	15	2,795	\$ 447	\$ 6,149	\$ 79,983	\$ 3,501	14,932,016	3,589,984	9,829,630	

Universal Service Calculation Sheet - monthly costs per line

Missouri
Iamo Telephone Company - Mo

	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	\$ 162.54	\$ -	\$ 39.28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 114.53
Port	12.31	-	12.31	-	-	-	-	-	-	12.31
End office usage	16.35	-	16.35	-	-	-	-	-	-	16.35
Signaling	0.47	-	0.47	-	-	-	-	-	-	0.47
Transport	9.33	-	9.33	-	-	-	-	-	-	9.33
Local retail costs										
Billing/bill inquiries	\$ 2.74	\$ -	\$ 2.74	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.74
Directory listing	-	-	-	-	-	-	-	-	-	-
LNP expense (when available)	0.30	-	0.30	-	-	-	-	-	-	0.30
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Basic Local Service										
Avg monthly cost per line	\$ 204.03	\$ -	\$ 80.77	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 156.01
@ Residence usage per line	\$ 203.62	\$ -	\$ 80.36	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 168.00
@ Business usage per line	\$ 206.50	\$ -	\$ 83.24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 83.24
Total switched lines	682	-	436	-	-	-	-	-	-	1,118
Primary residence lines	682	-	277	-	-	-	-	-	-	960
Secondary residence lines	0	-	0	-	-	-	-	-	-	0
Single line business lines	-	-	12	-	-	-	-	-	-	12
Multiline business lines	-	-	142	-	-	-	-	-	-	142
Public lines	-	-	5	-	-	-	-	-	-	5
FEDERAL FUND ANALYSIS										
Annual Support										
for line types:	Specify	Bench								
Primary residence lines	X	\$31.00	\$ 1,413,706	\$ -	\$ 164,304	\$ -	\$ -	\$ -	\$ -	\$ 1,578,010
Secondary residence lines		\$31.00	\$ 9	\$ -	\$ 2	\$ -	\$ -	\$ -	\$ -	\$ 11
Single line business lines	X	\$51.00	\$ 0	\$ -	\$ 4,532	\$ -	\$ -	\$ -	\$ -	\$ 4,532
Multiline business lines		\$51.00	\$ 0	\$ -	\$ 54,869	\$ -	\$ -	\$ -	\$ -	\$ 54,869
Public lines		\$51.00	\$ 0	\$ -	\$ 1,782	\$ -	\$ -	\$ -	\$ -	\$ 1,782
Support cost if all lines supported			\$ 1,413,715	\$ -	\$ 225,489	\$ -	\$ -	\$ -	\$ -	\$ 1,639,204
Total annual support for specified lines										
@25% Federal allocation			\$ 353,426	\$ -	\$ 42,209	\$ -	\$ -	\$ -	\$ -	\$ 395,636
@Implied 75% State allocation			\$ 1,060,279	\$ -	\$ 126,627	\$ -	\$ -	\$ -	\$ -	\$ 1,186,907

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

\$20.00	\$ 1,503,793	\$ -	\$ 200,917	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,704,710
\$30.00	\$ 1,421,896	\$ -	\$ 167,632	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,589,528
\$40.00	\$ 1,339,998	\$ -	\$ 134,348	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,474,346
\$50.00	\$ 1,258,100	\$ -	\$ 101,064	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,359,164
\$60.00	\$ 1,176,203	\$ -	\$ 67,779	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,243,982
\$70.00	\$ 1,094,305	\$ -	\$ 34,495	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,128,800
\$80.00	\$ 1,012,408	\$ -	\$ 1,210	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,013,618

STATE FUND ANALYSIS															
Annual Support for line types:		Specify	Bench mark												
Primary residence lines	X	\$31.00	\$	1,413,706	\$	-	\$	164,304	\$	-	\$	-	\$	1,578,010	
Secondary residence lines		\$31.00	\$	9	\$	-	\$	2	\$	-	\$	-	\$	11	
Single line business lines	X	\$51.00	\$	0	\$	-	\$	4,532	\$	-	\$	-	\$	4,532	
Multiline business lines		\$51.00	\$	0	\$	-	\$	54,869	\$	-	\$	-	\$	54,869	
Public lines		\$51.00	\$	0	\$	-	\$	1,782	\$	-	\$	-	\$	1,782	
Support cost if all lines supported			\$	1,413,715	\$	-	\$	225,489	\$	-	\$	-	\$	1,639,204	
Total annual support for specified lines				\$	1,413,706	\$	-	\$	168,836	\$	-	\$	-	\$	1,582,542
@75% State allocation				\$	1,060,279	\$	-	\$	126,627	\$	-	\$	-	\$	1,186,907
@Implied 25% Federal allocation				\$	353,426	\$	-	\$	42,209	\$	-	\$	-	\$	395,636

TOTAL FUND ANALYSIS																
25% Federal allocation from Federal Fund Analysis	\$	353,426	\$	-	\$	42,209	\$	-	\$	-	\$	-	\$	-	\$	395,636
75% State allocation from State Fund Analysis	\$	1,060,279	\$	-	\$	126,627	\$	-	\$	-	\$	-	\$	-	\$	1,186,907
Total Federal + State fund	\$	1,413,706	\$	-	\$	168,836	\$	-	\$	-	\$	-	\$	-	\$	1,582,542

Module release date: 11/4/1997

COST OF NETWORK ELEMENTS

Missouri
Iamo Telephone Company - Mo

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	\$ 4,961	\$ -	\$ 2,626	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,587
Unit Cost/month	0.61	-	0.48	-	-	-	-	-	-	0.55
Loop Distribution (DLC)										
Annual Cost	\$ 669,283	\$ -	\$ 133,087	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 802,369
Unit Cost/month	81.72	-	24.08	-	-	-	-	-	-	58.50
Loop Distribution (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Distribution (all)										
Annual Cost	\$ 669,283	\$ -	\$ 133,087	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 802,369
Unit Cost/month	81.72	-	24.08	-	-	-	-	-	-	58.50
Loop Concentration (DLC)										
Annual Cost	\$ 170,256	\$ -	\$ 37,886	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 208,141
Unit Cost/month	20.79	-	6.86	-	-	-	-	-	-	15.17
Loop Concentration (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Concentration (all)										
Annual Cost	\$ 170,256	\$ -	\$ 37,886	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 208,141
Unit Cost/month	20.79	-	6.86	-	-	-	-	-	-	15.17
Loop Feeder (DLC)										
Annual Cost	\$ 463,085	\$ -	\$ 39,655	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 502,741
Unit Cost/month	56.54	-	7.18	-	-	-	-	-	-	36.65
Loop Feeder (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Feeder (all)										
Annual Cost	\$ 463,085	\$ -	\$ 39,655	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 502,741
Unit Cost/month	56.54	-	7.18	-	-	-	-	-	-	36.65
Total Loop (DLC)										
Annual Cost	\$ 1,307,585	\$ -	\$ 213,253	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,520,838
Unit Cost/month	159.66	-	38.59	-	-	-	-	-	-	110.88
Total Loop (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Total Loop (all)										
Annual Cost	\$ 1,307,585	\$ -	\$ 213,253	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,520,838
Unit Cost/month	159.66	-	38.59	-	-	-	-	-	-	110.88
Total lines	682	-	461	-	-	-	-	-	-	1,143
Total lines served by DLC	682	-	461	-	-	-	-	-	-	1,143

	Annual Cost	Units	Unit Cost
End office switching	\$ 540,774		
Line Port	162,232	1,118 switched lines	\$ 12.09 per line/month
Non-Line Port	378,541	12,802,483 actual minutes	\$ 0.02957 per actual minute (for rate per DEM, see "Cost detail" sheet)
Signaling network elements	\$ 23,280		
Links	20,834	8 links	\$ 219.34 per link per month
STP	1,602	7,243,613 TCAP+ISUP msgs	\$ 0.00022 per signaling message
SCP	845	735,200 TCAP queries	\$ 0.00115 per query
Transport network elements			
<i>Dedicated</i>			
Sw+Sp Transport	\$ 55,218	29 trunks	\$ 158.61 per DS-0 equivalent per month
Switched	7,613	4 trunks	\$ 0.01579 per minute
Special	47,604	25 trunks	
Transmission Terminal	14,447	29 trunks	\$ 41.50 per DS-0 equivalent per month
			\$ 0.00413 per minute
			\$ 0.01992 total per minute
<i>Common</i>			
Transport	\$ 189,995	5,547,427 minutes	\$ 0.01833 per minute per leg (orig or term)
Transmission Terminal	70,860	5,547,427 minutes	\$ 0.00684 per minute
			\$ 0.02516 total per minute
<i>Direct</i>			
Transport	\$ 87,808	745,466 minutes	\$ 0.11779 per minute
Transmission Terminal	34,216	745,466 minutes	\$ 0.04590 per minute
			\$ 0.16369 total per minute
Tandem switch	\$ 1,540	4,840,180 minutes	\$ 0.00032 per minute
Operator systems	\$ 42,501		
Public Telephones	\$ 1,790		
Total (w/ Public)	\$ 2,583,267		
Total cost of switched network elements (w/o Public)	\$ 185.46	per line/month	

	interconnected at		
	end office	tandem	wtd average
Local interconnection			
EO switching	\$ 0.02957	\$ 0.02957	
ISUP	\$ 0.00393	\$ 0.00393	
Common Transport	\$ -	\$ 0.02516	
Tandem Switching	\$ -	\$ 0.00032	
TOTAL	\$ 0.03350	\$ 0.05898	n/a

IXC switched access			
EO switching	\$ 0.02957	\$ 0.02957	
ISUP	\$ 0.00393	\$ 0.00393	
Dedicated Transport	\$ 0.01992	\$ 0.01992	
Common Transport	\$ -	\$ 0.02516	
Tandem Switching	\$ -	\$ 0.00032	
TOTAL	\$ 0.05342	\$ 0.07891	\$ 0.07891

Signaling detail			
cost per 800 call attempt (TCAP)	\$ 0.0027		
ISUP cost/transaction	\$ 0.02053		
ISUP cost/completion	0.0293		
IXC switched access MOU/comp	7.46		
ISUP cost/min	\$ 0.003932		
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 378.541
Total DEMs 18,522,000
Cost per DEM \$ 0.02044

Dedicated Transport Costs Per Trunk	
DS-0 per month	
Transport per month	\$ 158.61
Terminal per month *	\$ 514.59
TOTAL	\$ 673.20

DS-1 per month	
Transport per month	\$ 3,806.67
Terminal per month	\$ 995.97
TOTAL	\$ 4,802.64

DS-3 per month	
Transport per month	\$ 106,586.68
Terminal per month	\$ 2,816.89
TOTAL	\$ 109,403.57

Trunk Port Costs	
per trunk port (DS-0 equivalent) per month	\$ 2.53
per trunk port minute	\$ 0.000252

total EO usage per minute	\$ 0.029568
trk port/min	\$ 0.000252
other	\$ 0.029316

	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)	33.5%	0.0%	38.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	35.5%
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	51,956
Total Lines	1,143
Total Dedicated Terminal Investment per line	\$ 45
Entrance Facility percent to total	\$ -
Terminal Investment per DS-0	\$ 1,791
Transport Investment per DS-0	\$ 7,360

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	\$ 3,167	\$ -	\$ 1,719	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,886
Network Expenses	\$ 682	\$ -	\$ 316	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	998
Direct expense	\$ 3,849	\$ -	\$ 2,035	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,884
Investment	\$ 19,792	\$ -	\$ 10,746	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,538
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 1,087	\$ -	\$ 575	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,662
Total	\$ 4,937	\$ -	\$ 2,610	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,547
with carrier-to-carrier	\$ 4,939	\$ -	\$ 2,614	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,554
Distribution (DLC)										
Annual Capital Cost	\$ 417,552	\$ -	\$ 82,804	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	500,356
Network Expenses	\$ 101,771	\$ -	\$ 20,345	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	122,116
Direct expense	\$ 519,323	\$ -	\$ 103,149	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	622,472
Investment	\$ 2,585,053	\$ -	\$ 514,235	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,099,288
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 146,692	\$ -	\$ 29,136	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	175,829
Total	\$ 666,016	\$ -	\$ 132,285	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	798,301
with carrier-to-carrier	\$ 666,381	\$ -	\$ 132,510	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	798,891
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	\$ 417,552	\$ -	\$ 82,804	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	500,356
Network Expenses	\$ 101,771	\$ -	\$ 20,345	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	122,116
Direct expense	\$ 519,323	\$ -	\$ 103,149	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	622,472
Investment	\$ 2,585,053	\$ -	\$ 514,235	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,099,288
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 146,692	\$ -	\$ 29,136	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	175,829
Total	\$ 666,016	\$ -	\$ 132,285	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	798,301
with carrier-to-carrier	\$ 666,381	\$ -	\$ 132,510	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	798,891
Concentrator (DLC)										
Annual Capital Cost	\$ 122,443	\$ -	\$ 27,208	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	149,651
Network Expenses	\$ 9,665	\$ -	\$ 2,155	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,820
Direct expense	\$ 132,108	\$ -	\$ 29,363	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	161,471
Investment	\$ 628,735	\$ -	\$ 139,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	768,635
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 37,316	\$ -	\$ 8,294	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	45,611
Total	\$ 169,425	\$ -	\$ 37,657	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	207,082
with carrier-to-carrier	\$ 169,518	\$ -	\$ 37,721	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	207,239
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	\$ 122,443	\$ -	\$ 27,208	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	149,651
Network Expenses	\$ 9,665	\$ -	\$ 2,155	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,820
Direct expense	\$ 132,108	\$ -	\$ 29,363	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	161,471
Investment	\$ 628,735	\$ -	\$ 139,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	768,635
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 37,316	\$ -	\$ 8,294	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	45,611
Total	\$ 169,425	\$ -	\$ 37,657	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	207,082
with carrier-to-carrier	\$ 169,518	\$ -	\$ 37,721	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	207,239
Feeder (DLC)										
Annual Capital Cost	\$ 286,318	\$ -	\$ 24,665	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	310,983
Network Expenses	\$ 73,009	\$ -	\$ 6,070	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	79,078
Direct expense	\$ 359,326	\$ -	\$ 30,735	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	390,061
Investment	\$ 1,834,549	\$ -	\$ 154,944	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,989,493
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 101,498	\$ -	\$ 8,682	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	110,180
Total	\$ 460,825	\$ -	\$ 39,416	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	500,241
with carrier-to-carrier	\$ 461,078	\$ -	\$ 39,483	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	500,561
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	\$ 286,318	\$ -	\$ 24,665	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	310,983
Network Expenses	\$ 73,009	\$ -	\$ 6,070	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	79,078
Direct expense	\$ 359,326	\$ -	\$ 30,735	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	390,061
Investment	\$ 1,834,549	\$ -	\$ 154,944	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,989,493
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 101,498	\$ -	\$ 8,682	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	110,180
Total	\$ 460,825	\$ -	\$ 39,416	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	500,241
with carrier-to-carrier	\$ 461,078	\$ -	\$ 39,483	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	500,561
End Office Switching										
Annual Capital Cost	\$ 252,984	\$ -	\$ 61,212	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	314,195
Network Expenses	\$ 81,448	\$ -	\$ 19,684	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	101,131
Direct expense	\$ 334,431	\$ -	\$ 80,895	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	415,326
Investment	\$ 1,570,805	\$ -	\$ 380,046	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,950,851
Support expenses	\$ 55,427	\$ -	\$ 16,581	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	72,008
Subtotal, with misc spt	\$ 389,858	\$ -	\$ 97,477	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	487,335
Total, with var overhead	\$ 430,403	\$ -	\$ 107,614	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	538,017
with carrier-to-carrier	\$ 430,639	\$ -	\$ 107,790	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	538,429
Signaling										
Annual Capital Cost	\$ 11,716	\$ -	\$ 2,597	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,313
Network Expenses	\$ 2,904	\$ -	\$ 671	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,574
Direct expense	\$ 14,619	\$ -	\$ 3,268	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	17,887
Investment	\$ 73,175	\$ -	\$ 16,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	89,374
Support expenses	\$ 2,423	\$ -	\$ 670	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,093
Subtotal, with misc spt	\$ 17,042	\$ -	\$ 3,937	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	20,980
Total, with var overhead	\$ 18,815	\$ -	\$ 4,347	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,161
with carrier-to-carrier	\$ 18,825	\$ -	\$ 4,354	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,179
Dedicated Transport										
Annual Capital Cost	\$ 10,737	\$ -	\$ 22,513	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	33,251
Network Expenses	\$ 2,732	\$ -	\$ 5,730	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,463
Direct expense	\$ 13,470	\$ -	\$ 28,244	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	41,713
Investment	\$ 68,936	\$ -	\$ 144,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	213,509
Support expenses	\$ 2,232	\$ -	\$ 5,789	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,022
Subtotal, with misc spt	\$ 15,702	\$ -	\$ 34,033	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	49,735
Total, with var overhead	\$ 17,335	\$ -	\$ 37,572	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	54,907
with carrier-to-carrier	\$ 17,345	\$ -	\$ 37,634	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	54,978
Dedicated Transport Transmission										
Annual Capital Cost	\$ 4,100	\$ -	\$ 6,049	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,149
Network Expenses	\$ 321	\$ -	\$ 474	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	795
Direct expense	\$ 4,421	\$ -	\$ 6,523	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,944
Investment	\$ 20,990	\$ -	\$ 30,966	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	51,956
Support expenses	\$ 733	\$ -	\$ 1,337	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,070
Subtotal, with misc spt	\$ 5,154	\$ -	\$ 7,860	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,014
Total, with var overhead	\$ 5,690	\$ -	\$ 8,677	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,367
with carrier-to-carrier	\$ 5,693	\$ -	\$ 8,691	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,384
Direct Transport										
Annual Capital Cost	\$ 42,482	\$ -	\$ 11,252	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	53,733
Network Expenses	\$ 10,808	\$ -	\$ 2,864	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,671
Direct expense	\$ 53,289	\$ -	\$ 14,116	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	67,405
Investment	\$ 272,660	\$ -	\$ 72,256	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	344,915
Support expenses	\$ 8,832	\$ -	\$ 2,893	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,725
Subtotal, with misc spt	\$ 62,121	\$ -	\$ 17,009	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	79,130
Total, with var overhead	\$ 68,581	\$ -	\$ 18,778	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	87,360
with carrier-to-carrier	\$ 68,619	\$ -	\$ 18,809	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	87,428
Direct Transport Transmission										
Annual Capital Cost	\$ 21,407	\$ -	\$ 3,023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	24,430
Network Expenses	\$ 1,677	\$ -	\$ 237	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,913
Direct expense	\$ 23,083	\$ -	\$ 3,260	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	26,343
Investment	\$ 109,586	\$ -	\$ 15,476	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	125,062
Support expenses	\$ 3,626	\$ -	\$ 668	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,494
Subtotal, with misc spt	\$ 26,909	\$ -	\$ 3,928	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,837
Total, with var overhead	\$ 29,707	\$ -	\$ 4,337	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	34,044
with carrier-to-carrier	\$ 29,724	\$ -	\$ 4,344	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	34,067
Common Transport										
Annual Capital Cost	\$ 85,764	\$ -	\$ 30,294	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	116,058
Network Expenses	\$ 21,819	\$ -	\$ 7,710	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	29,529
Direct expense	\$ 107,583	\$ -	\$ 38,004	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	145,587
Investment	\$ 550,465	\$ -	\$ 194,534	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	744,999
Support expenses	\$ 17,830	\$ -	\$ 7,790	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	25,620
Subtotal, with misc spt	\$ 125,413	\$ -	\$ 45,794	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	171,207
Total, with var overhead	\$ 138,456	\$ -	\$ 50,556	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	189,012
with carrier-to-carrier	\$ 138,532	\$ -	\$ 50,639	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	189,171

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	\$ 42,389	\$ -	\$ 8,139	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	50,528
Network Expenses	\$ 3,320	\$ -	\$ 638	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,958
Direct expense	\$ 45,709	\$ -	\$ 8,777	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	54,486
Investment	\$ 216,999	\$ -	\$ 41,667	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	258,666
Support expenses	\$ 7,576	\$ -	\$ 1,799	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,375
Subtotal, with misc spt	\$ 53,284	\$ -	\$ 10,576	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	63,860
Total, with var overhead	\$ 58,826	\$ -	\$ 11,676	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	70,502
with carrier-to-carrier	\$ 58,858	\$ -	\$ 11,695	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	70,553
Tandem Switching										
Annual Capital Cost	\$ 468	\$ -	\$ 298	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	766
Network Expenses	\$ 250	\$ -	\$ 159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	409
Direct expense	\$ 717	\$ -	\$ 458	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,175
Investment	\$ 3,003	\$ -	\$ 1,916	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,919
Support expenses	\$ 119	\$ -	\$ 94	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	213
Subtotal, with misc spt	\$ 836	\$ -	\$ 552	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,388
Total, with var overhead	\$ 923	\$ -	\$ 609	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,532
with carrier-to-carrier	\$ 924	\$ -	\$ 610	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,534
Operator Systems										
Annual Capital Cost	\$ 18,886	\$ -	\$ 5,078	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,964
Network Expenses	\$ 6,540	\$ -	\$ 2,426	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,966
Direct expense	\$ 25,426	\$ -	\$ 7,504	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	32,930
Investment	\$ 121,476	\$ -	\$ 32,448	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	153,924
Support expenses	\$ 3,981	\$ -	\$ 1,387	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,369
Subtotal, with misc spt	\$ 29,408	\$ -	\$ 8,892	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	38,299
Total, with var overhead	\$ 32,466	\$ -	\$ 9,816	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	42,282
with carrier-to-carrier	\$ 32,484	\$ -	\$ 9,833	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	42,317
Public Telephone										
Annual Capital Cost	\$ 164	\$ -	\$ 552	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	716
Network Expenses	\$ 151	\$ -	\$ 508	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	659
Direct expense	\$ 315	\$ -	\$ 1,059	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,374
Investment	\$ 802	\$ -	\$ 2,698	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,501
Support expenses	\$ 49	\$ -	\$ 196	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	245
Subtotal, with misc spt	\$ 364	\$ -	\$ 1,255	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,619
Total, with var overhead	\$ 402	\$ -	\$ 1,386	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,788
with carrier-to-carrier	\$ 402	\$ -	\$ 1,388	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,790
Totals										
Annual Capital Cost	\$ 1,320,576	\$ -	\$ 287,402	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,607,979
Network Expenses	\$ 317,096	\$ -	\$ 69,986	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	387,082
Total	\$ 1,637,672	\$ -	\$ 357,388	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,995,060
Investment	\$ 8,077,024	\$ -	\$ 1,752,606	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,829,630
Supporting Network Expenses										
Capital Cost - Gent Support	\$ 67,740	\$ -	\$ 14,699	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	82,439
Network Operations	\$ 21,230	\$ -	\$ 14,325	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	35,555
Network Support	\$ 4,698	\$ -	\$ 1,025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,723
Other Taxes	\$ 94,705	\$ -	\$ 21,173	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	115,879
Misc Expenses	\$ 68,064	\$ -	\$ 14,854	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	82,917
Subtotal	\$ 256,437	\$ -	\$ 66,076	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	322,514
Carrier-carrier customer svc	\$ 1,153	\$ -	\$ 778	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,932
Interoffice/Switching Net Ops	\$ 5,464	\$ -	\$ 3,687	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,151
Interoffice/Sw Exp	\$ 597,323	\$ -	\$ 183,543	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	780,866
Total Network Costs										
	\$ 1,899,573	\$ -	\$ 427,152	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,326,725
Other costs										
Other Taxes	\$ 94,705	\$ -	\$ 21,173	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	115,879
Monthly Cost Factors										
Loop	0.02189	-	0.02207	-	-	-	-	-	-	0.02223
Port	0.00535	-	0.01411	-	-	-	-	-	-	0.00705
Switching	0.00710	-	0.01873	-	-	-	-	-	-	0.00937
Signaling	0.00436	-	0.01257	-	-	-	-	-	-	0.00585
Transport	0.00512	-	0.00810	-	-	-	-	-	-	0.00598
Billing/Bill Inquiries (per line)	2.74	-	2.74	-	-	-	-	-	-	2.74
Directory Listing (per line)	-	-	-	-	-	-	-	-	-	-
LNP Expense (per line)	0.30	-	0.30	-	-	-	-	-	-	0.30
Inverse Carrier to Carrier Expense Factors	99.9453%	0.0000%	99.8366%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	99.9219%

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	\$ 2,098	0%	100%	\$ -	\$ 2,098
Furniture - Expenses	\$ 1,611	0%	100%	\$ -	\$ 1,611
Office Equipment - Capital Costs	\$ 5,989	0%	100%	\$ -	\$ 5,989
Office Equipment - Expenses	\$ 3,413	0%	100%	\$ -	\$ 3,413
General Purpose Computer - Capital Costs	\$ 12,515	0%	100%	\$ -	\$ 12,515
General Purpose Computer - Expenses	\$ 32,994	0%	100%	\$ -	\$ 32,994
Motor Vehicles - Capital Costs	\$ 7,552	0%	100%	\$ -	\$ 7,552
Motor Vehicles - Expenses	\$ 2,639	0%	100%	\$ -	\$ 2,639
Buildings - Capital Costs	\$ 15,095	0%	100%	\$ -	\$ 15,095
Buildings - Expenses	\$ 11,020	0%	100%	\$ -	\$ 11,020
Garage Work Eqpt. - Capital Costs	\$ 221	0%	100%	\$ -	\$ 221
Garage Work Eqpt. - Expenses	\$ 77	0%	100%	\$ -	\$ 77
Other Work Eqpt. - Capital Costs	\$ 5,284	0%	100%	\$ -	\$ 5,284
Other Work Eqpt. - Expenses	\$ 669	0%	100%	\$ -	\$ 669
Total General Support	\$ 101,177			\$ -	\$ 101,177
Network Operations	\$ 21,027	0%	100%	\$ -	\$ 21,027
Other Taxes	\$ 68,531	0%	100%	\$ -	\$ 68,531
Variable Overhead	\$ 142,545	0%	100%	\$ -	\$ 142,545
Totals	\$ 190,736			\$ -	\$ 333,281

	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	\$ 1,014,607	\$ -	\$ 165,282	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,179,889
Non-Loop-related direct costs	\$ 623,064	\$ -	\$ 192,107	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 815,171
Total	\$ 1,637,672	\$ -	\$ 357,388	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,995,060
Loop Fraction	61.95%	0.00%	46.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	59.14%
Network Operations	\$ 21,230	\$ -	\$ 14,325	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,555

	Total Annual Amount	Amount Assigned to Loops	Amount Assigned to Other UNEs
General Support - Totals			
Furniture - Capital Costs	\$ 3,548	\$ 2,098	\$ 1,450
Furniture - Expenses	\$ 2,724	\$ 1,611	\$ 1,113
Office Equipment - Capital Costs	\$ 10,127	\$ 5,989	\$ 4,138
Office Equipment - Expenses	\$ 5,771	\$ 3,413	\$ 2,358
General Purpose Computer - Capital Costs	\$ 21,162	\$ 12,515	\$ 8,647
General Purpose Computer - Expenses	\$ 55,790	\$ 32,994	\$ 22,795
Motor Vehicles - Capital Costs	\$ 12,770	\$ 7,552	\$ 5,218
			\$ 82,439
			\$ 88,641

Exp Assignment

Motor Vehicles - Expenses	\$ 4,461	\$ 2,639	\$ 1,823	
Buildings - Capital Costs	\$ 25,524	\$ 15,095	\$ 10,429	
Buildings - Expenses	\$ 18,633	\$ 11,020	\$ 7,613	
Garage Work Eqpt. - Capital Costs	\$ 374	\$ 221	\$ 153	
Garage Work Eqpt. - Expenses	\$ 130	\$ 77	\$ 53	
Other Work Eqpt. - Capital Costs	\$ 8,935	\$ 5,284	\$ 3,651	
Other Work Eqpt. - Expenses	\$ 1,132	\$ 669	\$ 462	
Total General Support	\$ 171,080	\$ 101,177	\$ 69,902	
Network Operations	\$ 35,555	\$ 21,027	\$ 14,528	
Other Taxes Calculation				
Total Direct Costs	\$ 1,995,060	\$ 1,179,889	\$ 815,171	\$ 1,995,060
Total Network Operations	\$ 35,555	\$ 21,027	\$ 14,528	\$ 35,555
Total General Support	\$ 171,080	\$ 101,177	\$ 69,902	\$ 204,519
Total	\$ 2,201,695	\$ 1,302,094	\$ 899,601	
Other Taxes	\$ 115,879	\$ 68,531	\$ 47,347	\$ 320,398
Total Expenses and Other Taxes	\$ 2,317,574	\$ 1,370,625	\$ 946,948	
Variable Overhead Calculation				
Variable Overhead	\$ 241,028	\$ 142,545	\$ 98,483	
Total Cost with Variable Overhead	2,558,601	1,513,170	1,045,431	

UNE Expense Assignment

Totals

NID

per line cost \$ -
per direct cost \$ 1,662
total \$ 1,662

Distribution (DLC)

per line cost \$ -
per direct cost \$ 175,829
total \$ 175,829

Distribution (non-DLC)

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

Concentrator (DLC)

per line cost \$ -
per direct cost \$ 45,611
total \$ 45,611

Concentrator (non-DLC)

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

Feeder (DLC)

per line cost \$ -
per direct cost \$ 110,180
total \$ 110,180

Feeder (non-DLC)

Exp Assignment

	<i>per line cost</i>	\$	-
	<i>per direct cost</i>	\$	-
	<i>total</i>	\$	-
End Office Switching	\$	532,643	
Signaling	\$	22,939	
Dedicated Transport	\$	53,496	
Dedicated Transport Transmission	\$	14,035	
Direct Transport	\$	86,445	
Direct Transport Transmission	\$	33,784	
Common Transport	\$	186,711	
Common Transport Transmission	\$	69,876	
Tandem Switching	\$	1,507	
Operator Systems	\$	42,232	
Public Telephone	\$	1,763	

COST SUMMARY

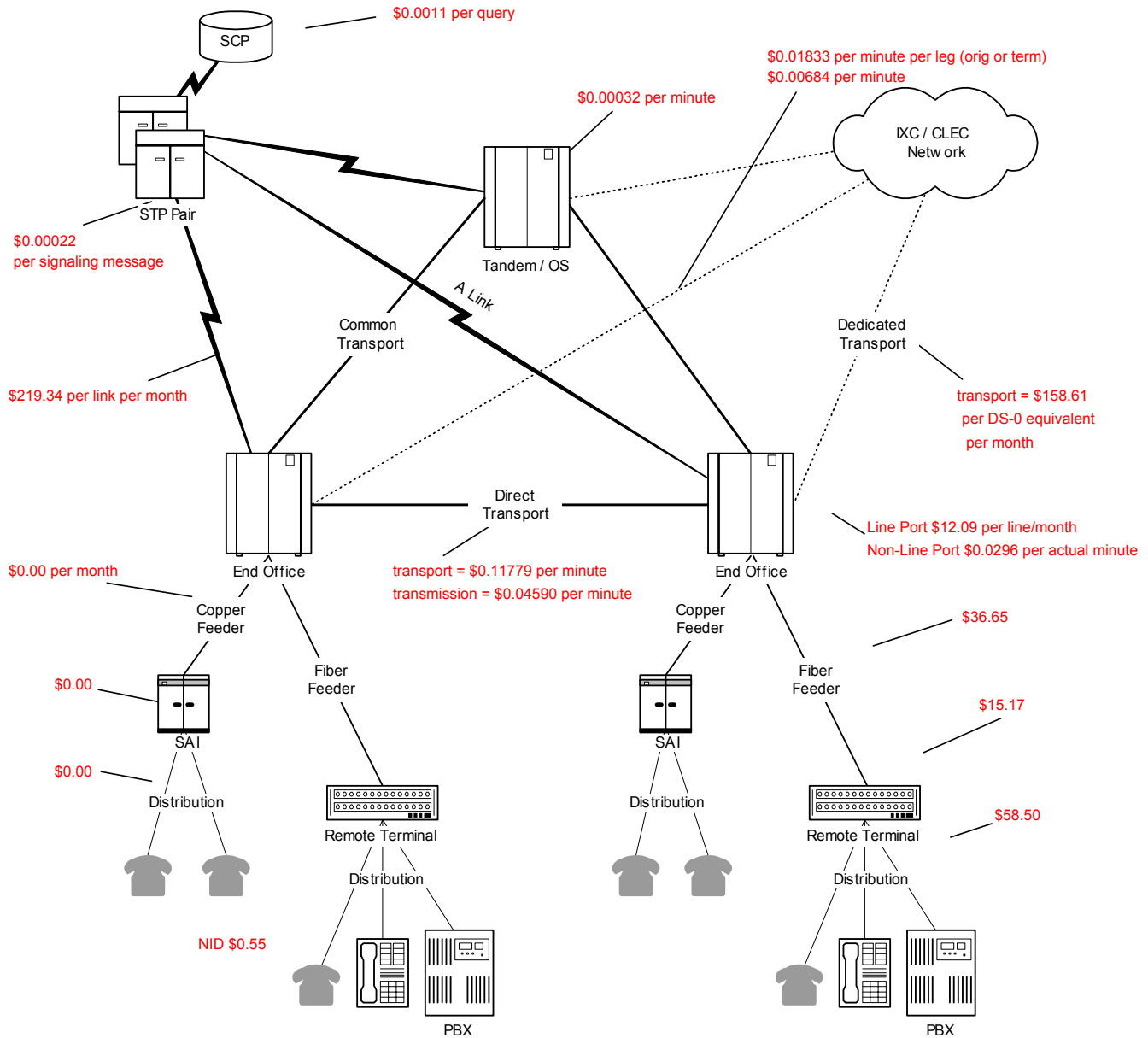
Missouri Iamo Telephone Company - Mo

		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	\$ 30,538	0.3%	\$ 4,886	\$ 998	\$ 5,884	\$ 1,662	\$ 7,547	\$ 7,554			
Distribution (DLC)	3,099,288	31.5%	500,356	122,116	622,472	175,829	798,301	798,891			
Distribution (non-DLC)	-	0.0%	-	-	-	-	-	-			
Distribution (all)	3,099,288	31.5%	500,356	122,116	622,472	175,829	798,301	798,891			
Concentrator (DLC)	768,635	7.8%	149,651	11,820	161,471	45,611	207,082	207,239			
Concentrator (non-DLC)	-	0.0%	-	-	-	-	-	-			
Concentrator (all)	768,635	7.8%	149,651	11,820	161,471	45,611	207,082	207,239			
Feeder (DLC)	1,989,493	20.2%	310,983	79,078	390,061	110,180	500,241	500,561			
Feeder (non-DLC)	-	0.0%	-	-	-	-	-	-			
Feeder (all)	1,989,493	20.2%	310,983	79,078	390,061	110,180	500,241	500,561			
End Office Switching	1,950,851	19.8%	314,195	101,131	415,326	72,008	487,335	538,429			
Signaling	89,374	0.9%	14,313	3,574	17,887	3,093	20,980	23,179			
Dedicated Transport	213,509	2.2%	33,251	8,463	41,713	8,022	49,735	54,978			
Dedicated Transport Transmission	51,956	0.5%	10,149	795	10,944	2,070	13,014	14,384			
Direct Transport	344,915	3.5%	53,733	13,671	67,405	11,725	79,130	87,428			
Direct Transport Transmission	125,062	1.3%	24,430	1,913	26,343	4,494	30,837	34,067			
Common Transport	744,999	7.6%	116,058	29,529	145,587	25,620	171,207	189,171			
Common Transport Transmission	258,666	2.6%	50,528	3,958	54,486	9,375	63,860	70,553			
Tandem Switching	4,919	0.1%	766	409	1,175	213	1,388	1,534			
Operator Systems	153,924	1.6%	23,964	8,966	32,930	5,369	38,299	42,317			
Public Telephone	3,501	0.0%	716	659	1,374	245	1,619	1,790			
Total Network Cost											
Total	\$ 9,829,630	100%	\$ 1,607,979	\$ 387,082	\$ 1,995,060	\$ 475,514	\$ 2,470,574	\$ 2,572,076			

* Post sharing

Unbundled Network Elements

Missouri / Iamo Telephone Company - MO



USOA Detail Breakdown of HAI Model Costs

USOA	INVESTMENT DESCRIPTION	Cost \$(000)
Telecommunications Plant in Service		
2111	LAND	20
2112	MOTOR VEHICLES	67
2113	AIRCRAFT	
2114	SPECIAL PURPOSE VEHICLES	
2115	GARAGE WORK EQUIPMENT	2
2116	OTHER WORK EQUIPMENT	52
2121	BUILDINGS	323
2122	FURNITURE	22
2123.1	OFFICE SUPPORT EQUIPMENT	57
2123.2	COMPANY COMMUNICATIONS EQUIPMENT	
2124	GENERAL PURPOSE COMPUTERS	87
2110	TOTAL LAND & SUPPORT ASSETS	631
2212	DIGITAL ELECTRONIC SWITCHING	1,792
2220	OPERATOR SYSTEMS	3
2232	CIRCUIT EQUIPMENT	1,229
2351	PUBLIC TEL TERMINAL EQUIPMENT	4
2411	POLES	181
2421.1	AERIAL CABLE - METALLIC	63
2421.2	AERIAL CABLE - NonMETALLIC	112
2422.1	UNDERGROUND CABLE - METALLIC	0
2422.2	UNDERGROUND CABLE - NonMETALLIC	0
2423.1	BURIED CABLE - METALLIC	2,968
2423.2	BURIED CABLE - NonMETALLIC	3,306
2426.1	INTRABUILDING NETWORK CABLE - MET.	
2426.2	INTRABUILDING NETWORK CABLE - NonMET.	
2441	CONDUIT SYSTEMS	0
2410	TOTAL CABLE & WIRE FACILITIES	6,629
	Total TPIS (before amortizable assets)*	10,286

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

**Iamo Telephone Company - MO
Missouri**

USOA	EXPENSE DESCRIPTION	Cost \$(000)
Plant Specific Expenses		
6112	MOTOR VEHICLES	4
6113	AIRCRAFT	2
6114	SPECIAL PURPOSE VEHICLES	0
6115	GARAGE WORK EQUIPMENT	0
6116	OTHER WORK EQUIPMENT	1
6110	NETWORK SUPPORT	8
6121	LAND & BUILDINGS	39
6122	FURNITURE	3
6123	OFFICE EQUIPMENT	7
6124	GENERAL PURPOSE COMPUTERS	67
6120	LAND & SUPPORT ASSETS	116
6212	DIGITAL ELECTRONIC SWITCHING	85
6220	OPERATOR SYSTEMS	3
6232	CIRCUIT EQUIPMENT	20
6351	PUBLIC TEL TERMINAL EQUIPMENT	1
6411	POLES	7
6421	AERIAL CABLE	11
6422	UNDERGROUND CABLE	0
6423	BURIED CABLE	243
6426	INTRABUILDING NETWORK CABLE	
6441	CONDUIT SYSTEMS	0
6410	TOTAL CABLE & WIRE FACILITIES	262
	Total Plant Specific Expenses	494
Plant Nonspecific Operations		
	TOTAL NETWORK OPERATIONS SUPPORT	45
6561	DEPRECIATION TPIS	610
6623	CUSTOMER SERVICES	2
	Total Plant Nonspecific Operations	656
	TOTAL CORPORATE OPERATIONS	242
	TOTAL OPERATING EXPENSES	1,392
7240	OPERATING OTHER TAXES	116
	TOTAL EXPENSES & OPERATING TAXES	1,508

USOA Depreciation Calculations

	<u>Depl life</u>	<u>DepFact</u>	<u>Dep Exp</u>
2111			
2112	10.45	0.09589	6
2113			
2114			
2115	9.97	0.10031	0
2116	13.92	0.07189	4
2121	48.73	0.02052	7
2122	18.36	0.05449	1
2123.1	12.44	0.08052	5
2123.2	7.99	0.12517	-
2124	6.61	0.15223	13
2110			
2212	17.17	0.05827	104
2220	9.25	0.10829	0
2232	9.90	0.10108	124
2351	8.98	0.11145	0
2411	8.38	0.11972	22
2421.1	13.61	0.07355	5
2421.2	18.92	0.05286	6
2422.1	17.88	0.05596	-
2422.2	20.14	0.04966	-
2423.1	18.36	0.05450	162
2423.2	21.97	0.04551	150
2426.1	13.57	0.07377	-
2426.2	21.37	0.04681	-
2441	46.15	0.02167	-
<i>Total Depreciation</i>			<i>610</i>

Network Element Disaggregations

Investment Disaggregations:

<i>Terminal, Drop, and NID</i>	<i>204,408</i>
Aerial-m portion	4,225
Buried-m portion	200,182

<i>OS Trks + Signaling links</i>	<i>230,257</i>
Circuit Eqpt. portion	38,376
Pole portion	3,475
Aerial-nm portion	5,713
Underground-nm portion	-
Buried-nm portion	182,693
Conduit portion	-

<i>SAI</i>	<i>14,000</i>
Aerial-m portion	-
Aerial-nm portion	482
Underground-m portion	-
Underground-nm portion	-
Buried-m portion	-
Buried-nm portion	13,518

Expense Disaggregations:

<i>Terminal, Drop, and NID</i>	<i>7,737</i>
Aerial portion	373
Buried portion	7,365

<i>OS Trks + Signaling links</i>	<i>8,925</i>
Circuit Eqpt. portion	1,487
Pole portion	140
Aerial-nm portion	351
Underground-nm portion	-
Buried-nm portion	6,946
Conduit portion	-

<i>SAI</i>	<i>274</i>
Aerial portion	9
Underground portion	-
Buried portion	265

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	\$ 18,279	\$ -	\$ 3,966	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	22,246
office equipment	46,719	-	10,137	-	-	-	-	-	-	56,856
general purpose computers	71,843	-	15,589	-	-	-	-	-	-	87,432
motor vehicles	54,971	-	11,928	-	-	-	-	-	-	66,898
buildings	138,846	-	30,128	-	-	-	-	-	-	168,974
garage work equipment	1,577	-	342	-	-	-	-	-	-	1,920
orther work equipment	42,837	-	9,295	-	-	-	-	-	-	52,132
										-
TOTAL	\$ 375,072	\$ -	\$ 81,386	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	456,458
Levelized Cost of Capital										
furniture	\$ 2,915	\$ -	\$ 633	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,548
office equipment	8,321	-	1,806	-	-	-	-	-	-	10,127
general purpose computers	17,389	-	3,773	-	-	-	-	-	-	21,162
motor vehicles	10,493	-	2,277	-	-	-	-	-	-	12,770
buildings	20,973	-	4,551	-	-	-	-	-	-	25,524
garage work equipment	307	-	67	-	-	-	-	-	-	374
orther work equipment	7,342	-	1,593	-	-	-	-	-	-	8,935
TOTAL	\$ 67,740	\$ -	\$ 14,699	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	82,439

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
Fiber Feeder										
Distribution Investment										
buried cable	\$ 882,288	\$ -	\$ 271,930	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,154,218
aerial cable	44,650	-	13,762	-	-	-	-	-	-	58,412
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	1,439,301	-	173,825	-	-	-	-	-	-	1,613,126
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	88,404	-	11,259	-	-	-	-	-	-	99,663
terminal	57,295	-	19,331	-	-	-	-	-	-	76,625
drop	73,115	-	24,130	-	-	-	-	-	-	97,245
TOTAL	\$ 2,585,053	\$ -	\$ 514,235	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,099,288
	83.41%	0.00%	16.59%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 140,705	\$ -	\$ 43,367	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	184,071
aerial cable	7,709	-	2,376	-	-	-	-	-	-	10,086
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	229,536	-	27,721	-	-	-	-	-	-	257,257
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	18,736	-	2,386	-	-	-	-	-	-	21,122
terminal	9,167	-	3,093	-	-	-	-	-	-	12,260
drop	11,699	-	3,861	-	-	-	-	-	-	15,560
TOTAL	\$ 417,552	\$ -	\$ 82,804	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	500,356
Network Expenses										
buried cable	34,302	-	10,572	-	-	-	-	-	-	44,874
aerial cable	2,808	-	865	-	-	-	-	-	-	3,673
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	55,958	-	6,758	-	-	-	-	-	-	62,716
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	3,649	-	465	-	-	-	-	-	-	4,113
terminal	2,221	-	749	-	-	-	-	-	-	2,970
drop	2,834	-	935	-	-	-	-	-	-	3,769
TOTAL	\$ 101,771	\$ -	\$ 20,345	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	122,116
Summary										
Cost of Capital	\$ 417,552	\$ -	\$ 82,804	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	500,356
Network Expense	101,771	-	20,345	-	-	-	-	-	-	122,116
TOTAL	\$ 519,323	\$ -	\$ 103,149	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	622,472
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	\$ 882,288	\$ -	\$ 271,930	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,154,218
aerial cable	\$ 44,650	\$ -	\$ 13,762	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	58,412
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 1,439,301	\$ -	\$ 173,825	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,613,126
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 88,404	\$ -	\$ 11,259	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	99,663
terminal	\$ 57,295	\$ -	\$ 19,331	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	76,625
drop	\$ 73,115	\$ -	\$ 24,130	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	97,245
TOTAL	\$ 2,585,053	\$ -	\$ 514,235	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,099,288
	83.41%	0.00%	16.59%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 140,705	\$ -	\$ 43,367	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	184,071
aerial cable	\$ 7,709	\$ -	\$ 2,376	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,086
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 229,536	\$ -	\$ 27,721	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	257,257
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 18,736	\$ -	\$ 2,386	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	21,122
terminal	\$ 9,167	\$ -	\$ 3,093	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,260
drop	\$ 11,699	\$ -	\$ 3,861	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	15,560
TOTAL	\$ 417,552	\$ -	\$ 82,804	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	500,356
Network Expenses										
buried cable	\$ 34,302	\$ -	\$ 10,572	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	44,874
aerial cable	2,808	-	865	-	-	-	-	-	-	3,673
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	55,958	-	6,758	-	-	-	-	-	-	62,716
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	3,649	-	465	-	-	-	-	-	-	4,113
terminal	2,221	-	749	-	-	-	-	-	-	2,970
drop	2,834	-	935	-	-	-	-	-	-	3,769
TOTAL	\$ 101,771	\$ -	\$ 20,345	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	122,116
Summary										
Cost of Capital	\$ 417,552	\$ -	\$ 82,804	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	500,356
Network Expense	101,771	-	20,345	-	-	-	-	-	-	122,116
TOTAL	\$ 519,323	\$ -	\$ 103,149	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	622,472
NID Cost										
NID Investment	\$ 19,792	\$ -	\$ 10,746	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,538
Levelized Cost of Capital	3,167	-	1,719	-	-	-	-	-	-	4,886
Network Expenses	682	-	316	-	-	-	-	-	-	998
TOTAL	\$ 3,849	\$ -	\$ 2,035	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,884

Concentrator

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
<i>Fiber Feeder</i>										
Concentrator Investment										
DLC Investment	\$ 618,135	\$ -	\$ 136,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	754,635
SAI Investment	10,600	-	3,400	-	-	-	-	-	-	14,000
										\$ -
TOTAL	\$ 628,735	\$ -	\$ 139,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	768,635
	81.80%	0.00%	18.20%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
DLC	\$ 120,747	\$ -	\$ 26,664	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	147,411
SAI	1,696	-	544	-	-	-	-	-	-	2,240
TOTAL	\$ 122,443	\$ -	\$ 27,208	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	149,651
Network Expenses										
DLC	\$ 9,457	\$ -	\$ 2,088	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,546
SAI	208	-	67	-	-	-	-	-	-	274
TOTAL	\$ 9,665	\$ -	\$ 2,155	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,820
Summary										
Cost of Capital	\$ 122,443	\$ -	\$ 27,208	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	149,651
Network Expense	9,665	-	2,155	-	-	-	-	-	-	11,820
TOTAL	\$ 132,108	\$ -	\$ 29,363	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	161,471

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

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
<i>Total</i>										
Concentrator Investment										
DLC Investment	\$ 618,135	\$ -	\$ 136,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	754,635
SAI Investment	10,600	-	3,400	-	-	-	-	-	-	14,000
TOTAL	\$ 628,735	\$ -	\$ 139,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	768,635
	81.80%	0.00%	18.20%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%

Concentrator

	0-5 lines/sq m		5-100 lines/sq m		100-200 lines/sq m		200-650 lines/sq m		650-850 lines/sq m		850-2550 lines/sq m		2550-5000 lines/sq m		5000-10000 lines/sq m		>10000 lines/sq m		Totals
Levelized Cost of Capital																			
DLC	\$	120,747	\$	-	\$	26,664	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	147,411
SAI		1,696		-		544		-		-		-		-		-		-	2,240
TOTAL	\$	122,443	\$	-	\$	27,208	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	149,651
Network Expenses																			
DLC	\$	9,457	\$	-	\$	2,088	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	11,546
SAI		208		-		67		-		-		-		-		-		-	274
TOTAL	\$	9,665	\$	-	\$	2,155	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	11,820
Summary																			
Cost of Capital	\$	122,443	\$	-	\$	27,208	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	149,651
Network Expense		9,665		-		2,155		-		-		-		-		-		-	11,820
TOTAL	\$	132,108	\$	-	\$	29,363	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	161,471

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	1,339,330	-	14,278	-	-	-	-	-	-	1,353,606
fiber buried cable	65,974	-	688	-	-	-	-	-	-	66,663
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	387,374	-	127,691	-	-	-	-	-	-	515,065
poles	41,870	-	12,289	-	-	-	-	-	-	54,159
TOTAL	\$ 1,834,549	\$ 92.21%	\$ 154,944	\$ 7.79%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	1,989,493
										100.00%
Levelized Cost of Capital										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	207,091	-	2,207	-	-	-	-	-	-	209,298
fiber aerial cable	10,457	-	109	-	-	-	-	-	-	10,566
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	59,897	-	19,744	-	-	-	-	-	-	79,641
poles	8,874	-	2,604	-	-	-	-	-	-	11,478
TOTAL	\$ 286,318	\$ -	\$ 24,665	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	310,983
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	52,071	-	555	-	-	-	-	-	-	52,626
fiber aerial cable	4,149	-	43	-	-	-	-	-	-	4,192
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	15,060	-	4,964	-	-	-	-	-	-	20,025
poles	1,728	-	507	-	-	-	-	-	-	2,235
TOTAL	\$ 73,009	\$ -	\$ 6,070	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	79,078
Summary										
Cost of Capital	\$ 286,318	\$ -	\$ 24,665	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	310,983
Network Expense	73,009	-	6,070	-	-	-	-	-	-	79,078
TOTAL	\$ 359,326	\$ -	\$ 30,735	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	390,061

	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%
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	1,339,330	-	14,276	-	-	-	-	-	-	1,353,606
fiber aerial cable	65,974	-	688	-	-	-	-	-	-	66,663
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	387,374	-	127,691	-	-	-	-	-	-	515,065
poles	41,870	-	12,289	-	-	-	-	-	-	54,159
TOTAL	\$ 1,834,549	\$ 92.21%	\$ 154,944	\$ 7.79%	\$ 12,289	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 1,989,493
										100.00%
Levelized Cost of Capital										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	207,091	-	2,207	-	-	-	-	-	-	209,298
fiber aerial cable	10,457	-	109	-	-	-	-	-	-	10,566
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	59,897	-	19,744	-	-	-	-	-	-	79,641
poles	8,874	-	2,604	-	-	-	-	-	-	11,478
TOTAL	\$ 286,318	\$ -	\$ 24,665	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 310,983
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	52,071	-	555	-	-	-	-	-	-	52,626
fiber aerial cable	4,149	-	43	-	-	-	-	-	-	4,192
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	15,060	-	4,964	-	-	-	-	-	-	20,025
poles	1,728	-	507	-	-	-	-	-	-	2,235
TOTAL	\$ 73,009	\$ -	\$ 6,070	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 79,078
Summary										
Cost of Capital	\$ 286,318	\$ -	\$ 24,665	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 310,983
Network Expense	73,009	-	6,070	-	-	-	-	-	-	79,078
TOTAL	\$ 359,326	\$ -	\$ 30,735	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 390,061

End Office Switching

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
EO Switching Investment										
end office switching	\$ 1,433,565	\$ -	\$ 347,286	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,780,851
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	121,094	-	28,906	-	-	-	-	-	-	150,000
land	16,146	-	3,854	-	-	-	-	-	-	20,000
TOTAL	\$ 1,570,805	\$ -	\$ 380,046	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,950,851
	80.52%	0.00%	19.48%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
end office switching	\$ 231,975	\$ -	\$ 56,197	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	288,172
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	18,292	-	4,366	-	-	-	-	-	-	22,658
land	2,717	-	648	-	-	-	-	-	-	3,365
TOTAL	\$ 252,984	\$ -	\$ 61,212	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	314,195
Network Expenses										
end office switching	\$ 68,094	\$ -	\$ 16,496	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	84,590
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	13,353	-	3,187	-	-	-	-	-	-	16,541
land	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 81,448	\$ -	\$ 19,684	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	101,131
Summary										
Cost of Capital	\$ 252,984	\$ -	\$ 61,212	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	314,195
Network Expense	81,448	-	19,684	-	-	-	-	-	-	101,131
TOTAL	\$ 334,431	\$ -	\$ 80,895	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	415,326

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	\$ 1,706	\$ -	\$ 1,089	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,795
SCP wire center	273	-	174	-	-	-	-	-	-	447
STP	3,754	-	2,395	-	-	-	-	-	-	6,149
signaling links	67,442	-	12,541	-	-	-	-	-	-	79,983
TOTAL	\$ 73,175	\$ -	\$ 16,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	89,374
	81.87%	0.00%	18.13%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
SCP	\$ 276	\$ -	\$ 176	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	452
SCP wire center	41	-	26	-	-	-	-	-	-	68
STP	607	-	388	-	-	-	-	-	-	995
signaling links	10,791	-	2,007	-	-	-	-	-	-	12,798
TOTAL	\$ 11,716	\$ -	\$ 2,597	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,313
Network Expenses										
SCP	\$ 81	\$ -	\$ 52	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	133
SCP wire center	30	-	19	-	-	-	-	-	-	49
STP	178	-	114	-	-	-	-	-	-	292
signaling links	2,614	-	486	-	-	-	-	-	-	3,100
TOTAL	\$ 2,904	\$ -	\$ 671	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,574
Summary										
Cost of Capital	\$ 11,716	\$ -	\$ 2,597	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,313
Network Expense	2,904	-	671	-	-	-	-	-	-	3,574
TOTAL	\$ 14,619	\$ -	\$ 3,268	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	17,887

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	65,655	-	137,779	-	-	-	-	-	-	203,434
aerial cable	2,053	-	4,309	-	-	-	-	-	-	6,362
poles	1,228	-	2,485	-	-	-	-	-	-	3,713
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 68,936	\$ -	\$ 144,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	213,509
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	10,152	-	21,304	-	-	-	-	-	-	31,455
aerial cable	325	-	683	-	-	-	-	-	-	1,008
poles	260	-	527	-	-	-	-	-	-	787
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 10,737	\$ -	\$ 22,513	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	33,251
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	2,553	-	5,357	-	-	-	-	-	-	7,909
aerial cable	129	-	271	-	-	-	-	-	-	400
poles	51	-	103	-	-	-	-	-	-	153
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 2,732	\$ -	\$ 5,730	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,463
Summary										
Cost of Capital	\$ 10,737	\$ -	\$ 22,513	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	33,251
Network Expense	2,732	-	5,730	-	-	-	-	-	-	8,463
TOTAL	\$ 13,470	\$ -	\$ 28,244	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	41,713
Transmission Terminal										
investment	\$ 20,990	\$ -	\$ 30,966	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	51,956
levelized cost of capital	4,100	-	6,049	-	-	-	-	-	-	10,149
network expenses	321	-	474	-	-	-	-	-	-	795
TOTAL	\$ 4,421	\$ -	\$ 6,523	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,944

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	259,472	-	68,860	-	-	-	-	-	-	328,332
aerial cable	8,115	-	2,154	-	-	-	-	-	-	10,268
poles	5,073	-	1,242	-	-	-	-	-	-	6,315
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 272,660	\$ -	\$ 72,256	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 344,915
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	40,120	-	10,647	-	-	-	-	-	-	50,768
aerial cable	1,286	-	341	-	-	-	-	-	-	1,627
poles	1,075	-	263	-	-	-	-	-	-	1,338
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 42,482	\$ -	\$ 11,252	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,733
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	10,088	-	2,677	-	-	-	-	-	-	12,765
aerial cable	510	-	135	-	-	-	-	-	-	646
poles	209	-	51	-	-	-	-	-	-	261
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 10,808	\$ -	\$ 2,864	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,671
Summary										
Cost of Capital	\$ 42,482	\$ -	11,252	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	53,733
Network Expense	10,808	-	2,864	-	-	-	-	-	-	13,671
TOTAL	\$ 53,289	\$ -	\$ 14,116	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 67,405
Transmission Terminal										
investment	\$ 109,586	\$ -	15,476	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	125,062
levelized cost of capital	21,407	-	3,023	-	-	-	-	-	-	24,430
network expenses	1,677	-	237	-	-	-	-	-	-	1,913
TOTAL	\$ 23,083	\$ -	\$ 3,260	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 26,343

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	523,855	-	185,392	-	-	-	-	-	-	709,247
aerial cable	16,379	-	5,798	-	-	-	-	-	-	22,178
poles	10,231	-	3,344	-	-	-	-	-	-	13,575
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 550,465	\$ -	\$ 194,534	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	744,999
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	81,000	-	28,666	-	-	-	-	-	-	109,666
aerial cable	2,596	-	919	-	-	-	-	-	-	3,515
poles	2,168	-	709	-	-	-	-	-	-	2,877
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 85,764	\$ -	\$ 30,294	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	116,058
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	20,367	-	7,208	-	-	-	-	-	-	27,574
aerial cable	1,030	-	365	-	-	-	-	-	-	1,395
poles	422	-	138	-	-	-	-	-	-	560
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 21,819	\$ -	\$ 7,710	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	29,529
Summary										
Cost of Capital	\$ 85,764	\$ -	\$ 30,294	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	116,058
Network Expense	21,819	-	7,710	-	-	-	-	-	-	29,529
TOTAL	\$ 107,583	\$ -	\$ 38,004	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	145,587
Transmission Terminal										
investment	\$ 216,999	\$ -	\$ 41,667	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	258,666
levelized cost of capital	42,389	-	8,139	-	-	-	-	-	-	50,528
network expenses	3,320	-	638	-	-	-	-	-	-	3,958
TOTAL	\$ 45,709	\$ -	\$ 8,777	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	54,486

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	\$ 1,297	\$ -	\$ 827	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,124
wire center	1,706	-	1,089	-	-	-	-	-	-	2,795
TOTAL	\$ 3,003	\$ -	\$ 1,916	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,919
Levelized Cost of Capital										
tandem switching	\$ 210	\$ -	\$ 134	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	344
wire center	258	-	164	-	-	-	-	-	-	422
TOTAL	\$ 468	\$ -	\$ 298	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	766
Network Expenses										
tandem switching	\$ 62	\$ -	\$ 39	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	101
wire center	188	-	120	-	-	-	-	-	-	308
TOTAL	\$ 250	\$ -	\$ 159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	409
Summary										
Cost of Capital	\$ 468	\$ -	\$ 298	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	766
Network Expense	250	-	159	-	-	-	-	-	-	409
TOTAL	\$ 717	\$ -	\$ 458	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,175

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	\$ 546	\$ -	\$ 348	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	894
OS Tandem Wire Center	682	-	436	-	-	-	-	-	-	1,118
OS Trunks	119,248	-	31,026	-	-	-	-	-	-	150,274
OS Position	999	-	638	-	-	-	-	-	-	1,637
TOTAL	\$ 121,476	\$ -	\$ 32,448	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	153,924
Levelized Cost of Capital										
OS Tandem Switching	\$ 88	\$ -	\$ 56	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	145
OS Tandem Wire Center	103	-	66	-	-	-	-	-	-	169
OS Trunks	18453.0298	0	4801.176279	0	0	0	0	0	0	23,254
OS Position	242	-	154	-	-	-	-	-	-	396
TOTAL	\$ 18,886	\$ -	\$ 5,078	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,964
Network Expenses										
OS Tandem Switching	\$ 26	\$ -	\$ 17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	42
OS Tandem Wire Center	75	-	48	-	-	-	-	-	-	123
OS Trunks	4,622	-	1,203	-	-	-	-	-	-	5,825
OS Position	67	-	43	-	-	-	-	-	-	111
Operator Wages	1,749	-	1,116	-	-	-	-	-	-	2,865
TOTAL	\$ 6,540	\$ -	\$ 2,426	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,966
Summary										
Cost of Capital	\$ 18,886	\$ -	\$ 5,078	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,964
Network Expense	6,540	-	2,426	-	-	-	-	-	-	8,966
TOTAL	\$ 25,426	\$ -	\$ 7,504	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	32,930

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	\$ 802	\$ -	\$ 2,698	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,501
	22.92%	0.00%	77.08%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital	\$ 164	\$ -	\$ 552	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	716
Network Expenses	\$ 151	\$ -	\$ 508	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	659
Summary										
Cost of Capital	\$ 164	\$ -	\$ 552	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	716
Network Expense	151	-	508	-	-	-	-	-	-	659
TOTAL	\$ 315	\$ -	\$ 1,059	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,374

DeprecLife	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	
CCF-Fact	0.15007	0.15004	0.15003	0.15005	0.15008	0.15013	0.15019	0.15026	0.15034	0.15044	0.15053	0.15064	0.15074	0.15085	0.15097	0.15108	0.15120	0.15132	0.15144	0.15156	0.15168	0.15179	0.15191	0.15203	0.15214	0.15226	0.15237	0.15248	0.15259	0.15270	0.15280	0.15290	0.15301	
DeprecFact	0.02041	0.02057	0.02073	0.02073	0.02032	0.02564	0.02500	0.02439	0.02381	0.02236	0.02273	0.02222	0.02174	0.02128	0.02083	0.02041	0.02000	0.01961	0.01923	0.01887	0.01852	0.01818	0.01786	0.01754	0.01724	0.01695	0.01667	0.01639	0.01613	0.01587	0.01563	0.01538	0.01515	
ROF-Fact	0.08481	0.08538	0.08593	0.08647	0.08699	0.08750	0.08799	0.08847	0.08894	0.08939	0.08983	0.09026	0.09068	0.09108	0.09147	0.09185	0.09222	0.09258	0.09293	0.09327	0.09360	0.09391	0.09423	0.09453	0.09482	0.09511	0.09538	0.09565	0.09592	0.09617	0.09642	0.09666	0.09690	
Fax-GuFact	0.15086	0.15803	0.15802	0.15804	0.15807	0.15812	0.15819	0.15826	0.15835	0.15845	0.15855	0.15866	0.15877	0.15889	0.15901	0.15913	0.15925	0.15938	0.15950	0.15963	0.15975	0.15988	0.16000	0.16012	0.16025	0.16037	0.16048	0.16060	0.16071	0.16083	0.16094	0.16105	0.16115	
COE	0.14208	0.14205	0.14204	0.14206	0.14209	0.14213	0.14219	0.14226	0.14234	0.14242	0.14252	0.14261	0.14272	0.14282	0.14293	0.14304	0.14315	0.14326	0.14337	0.14349	0.14360	0.14371	0.14382	0.14393	0.14404	0.14415	0.14426	0.14436	0.14446	0.14456	0.14466	0.14476	0.14486	
NPV-EoP	1.29477	1.29808	1.30124	1.30426	1.30715	1.30991	1.31255	1.31508	1.31751	1.31984	1.32207	1.32421	1.32627	1.32825	1.33016	1.33199	1.33376	1.33546	1.33710	1.33868	1.34021	1.34168	1.34311	1.34448	1.34581	1.34710	1.34835	1.34955	1.35072	1.35185	1.35295	1.35402	1.35505	
NPV-BoP	1.44043	1.44411	1.44763	1.45099	1.45420	1.45727	1.46021	1.46303	1.46573	1.46831	1.47080	1.47318	1.47548	1.47768	1.47980	1.48184	1.48380	1.48569	1.48752	1.48928	1.49098	1.49262	1.49420	1.49573	1.49721	1.49864	1.50003	1.50137	1.50267	1.50393	1.50515	1.50634	1.50749	
Pmc-EoP	0.15806	0.15803	0.15802	0.15804	0.15807	0.15812	0.15819	0.15826	0.15835	0.15845	0.15855	0.15866	0.15877	0.15889	0.15901	0.15913	0.15925	0.15938	0.15950	0.15963	0.15975	0.15988	0.16000	0.16012	0.16025	0.16037	0.16048	0.16060	0.16071	0.16083	0.16094	0.16105	0.16115	
Pmc-BoP	0.14208	0.14205	0.14204	0.14206	0.14209	0.14213	0.14219	0.14226	0.14234	0.14242	0.14252	0.14261	0.14272	0.14282	0.14293	0.14304	0.14315	0.14326	0.14337	0.14349	0.14360	0.14371	0.14382	0.14393	0.14404	0.14415	0.14426	0.14436	0.14446	0.14456	0.14466	0.14476	0.14486	
Year	1	0.18711	0.18633	0.18560	0.18491	0.18426	0.18364	0.18305	0.18249	0.18195	0.18144	0.18096	0.18049	0.18005	0.17962	0.17921	0.17882	0.17845	0.17809	0.17774	0.17741	0.17709	0.17678	0.17648	0.17619	0.17591	0.17564	0.17538	0.17513	0.17489	0.17465	0.17442	0.17420	0.17399
2	0.18240	0.18176	0.18116	0.18059	0.18005	0.17953	0.17905	0.17858	0.17814	0.17772	0.17732	0.17694	0.17657	0.17622	0.17588	0.17556	0.17525	0.17495	0.17466	0.17439	0.17412	0.17387	0.17362	0.17338	0.17315	0.17293	0.17271	0.17251	0.17231	0.17211	0.17192	0.17174	0.17156	
3	0.17769	0.17719	0.17671	0.17626	0.17583	0.17543	0.17505	0.17468	0.17433	0.17400	0.17368	0.17338	0.17309	0.17281	0.17255	0.17229	0.17205	0.17181	0.17158	0.17137	0.17116	0.17096	0.17076	0.17057	0.17039	0.17022	0.17005	0.16988	0.16972	0.16957	0.16942	0.16928	0.16914	
4	0.17298	0.17262	0.17227	0.17194	0.17162	0.17133	0.17104	0.17078	0.17052	0.17028	0.17004	0.16982	0.16961	0.16941	0.16921	0.16902	0.16885	0.16867	0.16851	0.16839	0.16829	0.16819	0.16809	0.16799	0.16789	0.16779	0.16769	0.16759	0.16749	0.16739	0.16729	0.16719	0.16709	
5	0.16828	0.16804	0.16782	0.16761	0.16741	0.16722	0.16704	0.16687	0.16671	0.16656	0.16641	0.16627	0.16613	0.16600	0.16588	0.16576	0.16564	0.16553	0.16543	0.16533	0.16523	0.16514	0.16504	0.16496	0.16487	0.16479	0.16471	0.16464	0.16456	0.16449	0.16442	0.16435	0.16429	
6	0.16357	0.16347	0.16337	0.16328	0.16320	0.16312	0.16304	0.16297	0.16290	0.16283	0.16277	0.16271	0.16265	0.16260	0.16254	0.16249	0.16244	0.16240	0.16235	0.16231	0.16227	0.16223	0.16219	0.16215	0.16211	0.16208	0.16204	0.16201	0.16198	0.16195	0.16192	0.16189	0.16186	
7	0.15886	0.15890	0.15893	0.15896	0.15899	0.15901	0.15904	0.15907	0.15911	0.15913	0.15915	0.15917	0.15919	0.15921	0.15923	0.15924	0.15926	0.15927	0.15929	0.15930	0.15932	0.15933	0.15934	0.15935	0.15937	0.15938	0.15939	0.15940	0.15941	0.15942	0.15943	0.15944	0.15945	
8	0.15416	0.15432	0.15448	0.15463	0.15478	0.15491	0.15504	0.15516	0.15528	0.15539	0.15549	0.15560	0.15570	0.15581	0.15592	0.15602	0.15612	0.15622	0.15632	0.15642	0.15652	0.15662	0.15672	0.15682	0.15692	0.15702	0.15712	0.15722	0.15732	0.15742	0.15752	0.15762	0.15772	
9	0.14945	0.14975	0.15004	0.15031	0.15056	0.15081	0.15104	0.15126	0.15147	0.15167	0.15186	0.15204	0.15221	0.15238	0.15254	0.15269	0.15284	0.15298	0.15312	0.15325	0.15337	0.15350	0.15361	0.15373	0.15383	0.15394	0.15404	0.15414	0.15424	0.15434	0.15444	0.15454	0.15464	
10	0.14474	0.14518	0.14559	0.14598	0.14635	0.14670	0.14704	0.14735	0.14766	0.14794	0.14822	0.14848	0.14873	0.14897	0.14921	0.14943	0.14964	0.14984	0.15004	0.15023	0.15041	0.15059	0.15075	0.15092	0.15108	0.15123	0.15137	0.15152	0.15165	0.15179	0.15192	0.15204	0.15216	
11	0.14003	0.14061	0.14115	0.14166	0.14214	0.14260	0.14304	0.14345	0.14385	0.14424	0.14458	0.14493	0.14525	0.14557	0.14587	0.14616	0.14644	0.14671	0.14696	0.14721	0.14745	0.14768	0.14790	0.14811	0.14832	0.14851	0.14871	0.14889	0.14897	0.14925	0.14942	0.14958	0.14974	
12	0.13533	0.13603	0.13670	0.13733	0.13793	0.13850	0.13903	0.13955	0.14004	0.14050	0.14094	0.14137	0.14178	0.14216	0.14254	0.14289	0.14324	0.14357	0.14388	0.14419	0.14448	0.14477	0.14504	0.14530	0.14556	0.14580	0.14604	0.14627	0.14649	0.14671	0.14691	0.14712	0.14731	
13	0.13062	0.13146	0.13225	0.13301	0.13372	0.13439	0.13503	0.13564	0.13622	0.13678	0.13731	0.13781	0.13830	0.13876	0.13920	0.13963	0.14004	0.14043	0.14081	0.14117	0.14152	0.14186	0.14218	0.14249	0.14280	0.14309	0.14337	0.14365	0.14391	0.14417	0.14441	0.14465	0.14489	
14	0.12591	0.12689	0.12781	0.12868	0.12951	0.13029	0.13104	0.13174	0.13241	0.13306	0.13367	0.13426	0.13482	0.13535	0.13587	0.13636	0.13684	0.13729	0.13773	0.13815	0.13855	0.13895	0.13932	0.13969	0.14004	0.14038	0.14070	0.14102	0.14133	0.14163	0.14191	0.14219	0.14246	
15	0.12120	0.12231	0.12336	0.12435	0.12529	0.12618	0.12703	0.12784	0.12860	0.12933	0.13003	0.13070	0.13134	0.13195	0.13253	0.13310	0.13363	0.13415	0.13465	0.13513	0.13559	0.13604	0.13646	0.13688	0.13728	0.13766	0.13804	0.13840	0.13875	0.13909	0.13941	0.13973	0.14004	
16	0.11650	0.11774	0.11892	0.12003	0.12108	0.12208	0.12303	0.12393	0.12479	0.12561	0.12640	0.12714	0.12786	0.12854	0.12920	0.12983	0.13043	0.13101	0.13157	0.13211	0.13263	0.13313	0.13361	0.13407	0.13452	0.13495	0.13537	0.13577	0.13617	0.13654	0.13691	0.13727	0.13761	
17	0.11179	0.11317	0.11447	0.11570	0.11687	0.11798	0.11903	0.12003	0.12098	0.12189	0.12276	0.12359	0.12438	0.12514	0.12587	0.12656	0.12723	0.12788	0.12849	0.12909	0.12966	0.13022	0.13075	0.13126	0.13176	0.13224	0.13270	0.13315	0.13358	0.13400	0.13441	0.13481	0.13519	
18	0.10708	0.10860	0.11002	0.11138	0.11266	0.11387	0.11503	0.11613	0.11717	0.11817	0.11912	0.12003	0.12090	0.12173	0.12253	0.12330	0.12403	0.12474	0.12542	0.12607	0.12670	0.12731	0.12789	0.12845	0.12900	0.12953	0.13003	0.13053	0.13100	0.13146	0.13191	0.13234	0.13276	
19	0.10238	0.10402	0.10558	0.10705	0.10845	0.10977	0.11103	0.11222	0.11336	0.11445	0.11548	0.11647	0.11742	0.11833	0.11920	0.12003	0.12083	0.12160	0.12234	0.12305	0.12374	0.12440	0.12505	0.12566	0.12624	0.12681	0.12737	0.12790	0.12842	0.12892	0.12941	0.12988	0.13034	
20	0.09767	0.09945	0.10113	0.10273	0.10423	0.10567	0.10702	0.10832	0.10955	0.11072	0.11185	0.11292	0.11394	0.11492	0.11586	0.11676	0.11763	0.11846	0.11926	0.12003	0.12077	0.12149	0.12217	0.12284	0.12348	0.12410	0.12470	0.12528	0.12584	0.12638	0.12691	0.12742	0.12791	
21	0.09296	0.09488	0.09669	0.09840	0.09992	0.10136	0.10274	0.10404	0.10524	0.10634	0.10734	0.10824	0.10916	0.11002	0.11083	0.11155	0.11223	0.11288	0.11351	0.11411	0.11468	0.11527	0.11584	0.11640										

Depreciated life	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
CCFAct	0.15311	0.15320	0.15330	0.15339	0.15349	0.15358	0.15366	0.15375	0.15384	0.15392	0.15400	0.15408	0.15416	0.15423	0.15431
DeprecFact	0.01493	0.01471	0.01449	0.01429	0.01408	0.01389	0.01370	0.01351	0.01333	0.01316	0.01299	0.01282	0.01266	0.01250	0.01235
RORFact	0.09713	0.09735	0.09757	0.09778	0.09798	0.09818	0.09838	0.09857	0.09876	0.09894	0.09912	0.09929	0.09946	0.09962	0.09978
TaxGUFact	0.04106	0.04115	0.04124	0.04133	0.04142	0.04150	0.04159	0.04167	0.04174	0.04182	0.04190	0.04197	0.04204	0.04211	0.04218
COE															
COD															
NPV-EoP	1.35606	1.35703	1.35798	1.35890	1.35979	1.36066	1.36151	1.36234	1.36314	1.36392	1.36468	1.36542	1.36615	1.36685	1.36754
NPV-BuP	1.50861	1.50969	1.51075	1.51177	1.51277	1.51373	1.51468	1.51559	1.51649	1.51736	1.51820	1.51903	1.51983	1.52062	1.52138
Pmc-EoP	0.16126	0.16136	0.16146	0.16156	0.16166	0.16175	0.16185	0.16194	0.16203	0.16212	0.16220	0.16228	0.16237	0.16245	0.16253
Pmc-BuP	0.14495	0.14505	0.14514	0.14523	0.14531	0.14540	0.14548	0.14556	0.14564	0.14572	0.14580	0.14587	0.14595	0.14602	0.14609
Year															
1	0.17378	0.17358	0.17338	0.17319	0.17301	0.17283	0.17265	0.17248	0.17231	0.17215	0.17200	0.17184	0.17169	0.17155	0.17141
2	0.17139	0.17122	0.17106	0.17090	0.17075	0.17060	0.17046	0.17032	0.17018	0.17005	0.16992	0.16979	0.16967	0.16955	0.16943
3	0.16900	0.16887	0.16874	0.16862	0.16850	0.16838	0.16827	0.16816	0.16805	0.16794	0.16784	0.16774	0.16764	0.16755	0.16745
4	0.16661	0.16652	0.16642	0.16633	0.16624	0.16616	0.16607	0.16599	0.16591	0.16584	0.16576	0.16569	0.16562	0.16555	0.16548
5	0.16422	0.16416	0.16410	0.16405	0.16399	0.16393	0.16388	0.16383	0.16378	0.16373	0.16368	0.16364	0.16359	0.16355	0.16350
6	0.16184	0.16181	0.16178	0.16176	0.16173	0.16171	0.16169	0.16167	0.16165	0.16162	0.16160	0.16158	0.16156	0.16155	0.16153
7	0.15945	0.15946	0.15946	0.15947	0.15948	0.15949	0.15949	0.15950	0.15951	0.15952	0.15953	0.15954	0.15954	0.15955	0.15955
8	0.15706	0.15710	0.15714	0.15719	0.15723	0.15727	0.15730	0.15734	0.15738	0.15741	0.15745	0.15748	0.15751	0.15754	0.15757
9	0.15467	0.15475	0.15483	0.15490	0.15497	0.15504	0.15511	0.15518	0.15524	0.15531	0.15537	0.15543	0.15549	0.15554	0.15560
10	0.15228	0.15239	0.15251	0.15261	0.15272	0.15282	0.15292	0.15302	0.15311	0.15320	0.15329	0.15338	0.15346	0.15354	0.15362
11	0.14989	0.15004	0.15019	0.15033	0.15046	0.15060	0.15073	0.15085	0.15098	0.15109	0.15121	0.15132	0.15143	0.15154	0.15165
12	0.14750	0.14769	0.14787	0.14804	0.14821	0.14837	0.14853	0.14869	0.14884	0.14899	0.14913	0.14927	0.14941	0.14954	0.14967
13	0.14511	0.14533	0.14555	0.14575	0.14596	0.14615	0.14634	0.14653	0.14671	0.14688	0.14705	0.14722	0.14738	0.14754	0.14770
14	0.14273	0.14298	0.14323	0.14347	0.14370	0.14393	0.14415	0.14436	0.14457	0.14478	0.14498	0.14517	0.14536	0.14554	0.14572
15	0.14034	0.14063	0.14091	0.14118	0.14145	0.14171	0.14196	0.14220	0.14244	0.14267	0.14290	0.14312	0.14333	0.14354	0.14374
16	0.13795	0.13827	0.13859	0.13889	0.13919	0.13948	0.13976	0.14004	0.14031	0.14056	0.14082	0.14106	0.14130	0.14154	0.14177
17	0.13556	0.13592	0.13627	0.13661	0.13694	0.13726	0.13757	0.13788	0.13817	0.13846	0.13874	0.13901	0.13928	0.13954	0.13979
18	0.13317	0.13357	0.13395	0.13432	0.13468	0.13504	0.13538	0.13571	0.13604	0.13635	0.13666	0.13696	0.13725	0.13754	0.13782
19	0.13078	0.13121	0.13163	0.13204	0.13243	0.13281	0.13319	0.13355	0.13390	0.13425	0.13458	0.13491	0.13523	0.13554	0.13584
20	0.12839	0.12886	0.12931	0.12975	0.13018	0.13059	0.13099	0.13139	0.13177	0.13214	0.13250	0.13286	0.13320	0.13354	0.13386
21	0.12600	0.12660	0.12709	0.12746	0.12782	0.12817	0.12850	0.12881	0.12911	0.12940	0.12968	0.12994	0.13019	0.13044	0.13069
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	0.12211
27	0.11167	0.11238	0.11307	0.11374	0.11440	0.11503	0.11565	0.11625	0.11683	0.11740	0.11795	0.11849	0.11902	0.11953	0.12003
28	0.10928	0.11003	0.11075	0.11146	0.11214	0.11281	0.11345	0.11408	0.11470	0.11529	0.11588	0.11644	0.11699	0.11753	0.11806
29	0.10689	0.10768	0.10843	0.10917	0.10989	0.11058	0.11126	0.11192	0.11256	0.11319	0.11380	0.11439	0.11497	0.11553	0.11608
30	0.10450	0.10532	0.10611	0.10689	0.10763	0.10836	0.10907	0.10976	0.11043	0.11108	0.11172	0.11234	0.11294	0.11353	0.11410
31	0.10212	0.10297	0.10380	0.10460	0.10538	0.10614	0.10688	0.10760	0.10830	0.10898	0.10964	0.11029	0.11092	0.11153	0.11213
32	0.09973	0.10061	0.10148	0.10231	0.10313	0.10392	0.10469	0.10543	0.10616	0.10687	0.10756	0.10823	0.10889	0.10953	0.11015
33	0.09734	0.09826	0.09916	0.10003	0.10087	0.10169	0.10249	0.10327	0.10403	0.10476	0.10548	0.10618	0.10686	0.10753	0.10818
34	0.09495	0.09591	0.09684	0.09774	0.09862	0.09947	0.10030	0.10111	0.10189	0.10266	0.10340	0.10413	0.10484	0.10553	0.10620
35	0.09256	0.09355	0.09452	0.09545	0.09636	0.09725	0.09811	0.09894	0.09973	0.10055	0.10133	0.10208	0.10281	0.10353	0.10423
36	0.09017	0.09120	0.09220	0.09317	0.09411	0.09502	0.09592	0.09678	0.09763	0.09845	0.09925	0.10003	0.10079	0.10153	0.10225
37	0.08778	0.08885	0.08988	0.09088	0.09185	0.09280	0.09372	0.09462	0.09549	0.09634	0.09717	0.09797	0.09876	0.09953	0.10027
38	0.08539	0.08649	0.08756	0.08859	0.08960	0.09058	0.09153	0.09246	0.09336	0.09424	0.09509	0.09592	0.09673	0.09753	0.09830
39	0.08301	0.08414	0.08524	0.08631	0.08735	0.08836	0.08934	0.09029	0.09122	0.09213	0.09301	0.09387	0.09471	0.09552	0.09632
40	0.08062	0.08179	0.08292	0.08402	0.08509	0.08613	0.08715	0.08813	0.08909	0.09002	0.09093	0.09182	0.09269	0.09352	0.09435
41	0.07823	0.07943	0.08060	0.08173	0.08284	0.08391	0.08495	0.08597	0.08696	0.08792	0.08885	0.08977	0.09066	0.09152	0.09237
42	0.07584	0.07708	0.07828	0.07945	0.08058	0.08169	0.08276	0.08381	0.08482	0.08581	0.08678	0.08772	0.08863	0.08952	0.09039
43	0.07345	0.07472	0.07596	0.07716	0.07833	0.07946	0.08057	0.08164	0.08269	0.08371	0.08470	0.08566	0.08660	0.08752	0.08842
44	0.07106	0.07237	0.07364	0.07488	0.07608	0.07724	0.07838	0.07948	0.08055	0.08160	0.08262	0.08361	0.08458	0.08552	0.08644
45	0.06867	0.07002	0.07132	0.07259	0.07382	0.07502	0.07618	0.07732	0.07842	0.07949	0.08054	0.08156	0.08255	0.08352	0.08447
46	0.06628	0.06766	0.06900	0.07030	0.07157	0.07280	0.07399	0.07515	0.07629	0.07739	0.07846	0.07951	0.08053	0.08152	0.08249
47	0.06390	0.06531	0.06668	0.06802	0.06931	0.07057	0.07180	0.07299	0.07415	0.07528	0.07638	0.07746	0.07850	0.07952	0.08051
48	0.06151	0.06296	0.06436	0.06573	0.06706	0.06835	0.06961	0.07085	0.07202	0.07318	0.07430	0.07540	0.07648	0.07752	0.07854
49	0.05912	0.06060	0.06204	0.06344	0.06480	0.06613	0.06741	0.06867	0.06988	0.07107	0.07223	0.07335	0.07445	0.07552	0.07656
50	0.05673	0.05825	0.05972	0.06116	0.06255	0.06390	0.06522	0.06650	0.06775	0.06896	0.07015	0.07130	0.07242	0.07352	0.07459
51	0.05434	0.05589	0.05740	0.05887	0.06030	0.06168	0.06303	0.06434	0.06562	0.06686	0.06807	0.06925	0.07040	0.07152	0.07261
52	0.05195	0.05354	0.05508	0.05658	0.05804	0.05946	0.06084	0.06218	0.06348	0.06475	0.06599	0.06720	0.06837	0.06952	0.07063
53	0.04956	0.05119	0.05277	0.05430	0.05579	0.05724	0.05864	0.06001	0.06135	0.06265	0.06391	0.06514	0.06635	0.06752	0.06866
54	0.04717	0.04883	0.05045	0.05201	0.05353	0.05501	0.05645	0.05785	0.05921	0.06054	0.06183	0.06309	0.06432	0.06552	0.06668
55	0.04479	0.04648	0.04813	0.04973	0.05128	0.05279	0.05426	0.05569							

EXPENSE MODULE INPUTS

	User Inputs	Calculations
State	Missouri	
Company	Iamo Telephone Company - MO	

May 4, 2006
4:06 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	13,005	
intrastate DEMs, thousands	2,776	
interstate DEMs, thousands	2,741	
Local call completion fraction	70.00%	
Total local calls attempted	2,946	
Total intraLATA calls completed	176	
Total interLATA calls completed - intrastate	177	
Total interLATA calls completed - interstate	377	
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	8	
Average trunk utilization	30.00%	

18,522 total DEMs, thousands
2,062 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	\$ 58,412
2421-nm	Aerial Cable - Non-Metall	22.24	-0.1753	18.92	\$ 88,840
2422-m	Underground - Metallic	21.14	-0.1826	17.88	\$ -
2422-nm	Underground - Non-Meta	23.08	-0.1458	20.14	\$ -
2423-m	Buried - Metallic	19.9	-0.0839	18.36	\$ 1,154,218
2423-nm	Buried - Non-Metallic	23.86	-0.0858	21.97	\$ 2,594,618
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	\$ 1,212,630
Average Non-Metallic Cable (calculated)				21.86	\$ 2,683,459

\$ 4,290
\$ 4,695
\$ -
\$ -
\$ 62,867
\$ 118,074
\$ 67,158
\$ 122,769

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	2,776,000	
Interstate Toll DEMs	2,741,000	
trunk port usage	31,885,651	
trk-min/mo	10,044	
interLATA ded. trunks	46	
Common Transport MOU		
Local	30,427	w/o OS usage
Intrastate Toll	2,776,000	
Interstate Toll	2,741,000	
	5,547,427	
Intrastate IntraLATA Calls	176	49.86% SOCCC message counts
Intrastate InterLATA Calls	177	50.14%
	353	

Calculation of EO Usage

Local DEMs, incl OS	13,005,000	70.2% of total DEMs
Intraoffice Local DEMs	11,439,034	
Intraoffice Local Actual Min	5,719,517	
Interoffice Local Actual Min	1,565,966	per end
Intrastate Toll Actual Min	2,776,000	
Interstate Toll Actual Min	<u>2,741,000</u>	
	12,802,483	
Tandem Switch MOU		
Local	15,214	Dedicated Trunk-SW
IntraLATA Toll	692,034	52
InterLATA Toll	<u>4,132,932</u>	
	4,840,180	

TRANSFORMED REGULATED		1995 COMPANY NAME:	ICO	
		OTHER TAXES & UNCOLLECTIBLES CALCULATION	EXPENSES	NET REVENUES
		7230 OPERATING STATE & LOCAL INCOME TAX-NET	7	
		7240 OPERATING OTHER TAXES	30	
		5300 UNCOLLECTIBLE REVENUES		11
		530 NET REVENUES		729
		GROSS REVENUES (5300 + 530)		740
		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		10
		2121 BUILDINGS		145
6121		TOTAL LAND & BUILDINGS	16	155
				0.103180
6112	2112	2112 MOTOR VEHICLES	1	25
6113	2113	2113 AIRCRAFT	0	1
6114	2114	2114 SPECIAL PURPOSE VEHICLES	0	0
6115	2115	2115 GARAGE WORK EQUIPMENT	0	1
6116	2116	2116 OTHER WORK EQUIPMENT	0	19
6122	2122	2122 FURNITURE	1	10
6123	2123	2123 OFFICE EQUIPMENT	2	24
6124	2124	2124 GENERAL PRUPOSE COMPUTERS	24	37
6120	2110	2110 TOTAL LAND & SUPPORT ASSETS	43	272
				0.15965268
		TPIS - CENTRAL OFFICE SWITCHING		
		-		
6211	2211	2211 ANALOG ELECT SWITCH	1	16
6212	2212	2212 DIGITAL ELECTRONIC SWITCHING	27	476
6220	2220	2220 OPERATOR SYSTEMS	0	7
6210	2210	22102221022102210 CENTRAL OFFICE SWITCH	28	499
		TPIS - CENTRAL OFFICE TRANSMISSION		
		-		
6232	2232	2232 CIRCUIT EQUIPMENT	5	328
6230	2230	2230 TRANSMISSION	6	343
				0.016263483
		0.01663194		
		TPIS - INFORMATION ORIG/TERM		
		-		
6311	2311	2311 STATION APPARATUS	0	0
				0.382353
6321	2321	2321 CUSTOMER PREMISES WIRING	0	0
				#DIV/0!
6341	2341	2341 LARGE PRIVATE BRANCH EXCHANGE	0	0
				4.500000
6351	2351	2351 PUBLIC TEL TERMINAL EQUIPMENT	2	10
6362	2362	2362 OTHER TERMINAL EQUIPMENT	3	18
6310	2310	2310 TOTAL INFORMATION ORIG/TERM	5	29
				0.182377792
		TPIS - CABLE & WIRE FACILITIES		
		-		
6411	2411	2411 POLES	2	57
6421	2421	2421 AERIAL CABLE	17	266
6422	2422	2422 UNDERGROUND CABLE	3	170
6423	2423	2423 BURIED CABLE	18	471
6441	2441	2441 CONDUIT SYSTEMS	0	96
6410	2410	2410 TOTAL CABLE & WIRE FACILITIES	42	1,072
				0.038842
		240 TOTAL TPIS(BEFORE AMORTIZABLE ASSETS)	83	2,231
		(2110+2210+2220+2230+2310+2410)		0.037062996
		PLANT NON-SPECIFIC OPERATIONS EXPENSES	A. EXPENSES	B. TPIS INVESTMENT
		=	=	=
6512	240	6512 PROVISIONING EXPENSES	1	2,231
				0.000300
6531	240	6531 POWER EXPENSES	4	2,231
				0.001623
6532	240	6532 NETWORK ADMINISTRATION	9	2,231
				0.004102
6533	240	6533 TESTING	9	2,231
				0.004252
6534	240	6534 PLANT OPERATIONS ADMINISTRATION	14	2,231
				0.006391
6535	240	6535 ENGINEERING	8	2,231
				0.003373
6540	240	6540 ACCESS EXPENSE	12	2,231
				0.005573799
6530	240	6530 TOTAL NETWORK OPERATIONS EXPENSES	44	2,231
				0.019740601
6561	240	6561 DEPRECIATION - TPIS	155	2,231
				0.0696775250
		65616561656165616561 DEPRECIATION - TPIS	155	2,231
				0.069677525
		NETWORK SUPPORT FACTOR CALCULATION	A. EXPENSES	B. CABLE & WIRE INV
		=	=	=
6112		2112 MOTOR VEHICLES	1	
6113		2113 AIRCRAFT	0	
6114		2114 SPECIAL PURPOSE VEHICLES	0	
6115		2115 GARAGE WORK EQUIPMENT	0	
6116		2116 OTHER WORK EQUIPMENT	0	
		TOTAL NETWORK SUPPORT (EXCL 2113)	1	1,072
				0.001041087
		CUSTOMER OPERATIONS EXPENSES	A. EXPENSES	B. NET REVENUES
		=	=	=
6611		6611 PRODUCT MANAGEMENT	6	CALC
6612		6612 SALES	12	CALC
6613		6613 PRODUCT ADVERTISING	4	CALC
6610		6610 TOTAL MARKETING EXPENSES	22	CALC
6621		6621 CALL COMPLETION SERVICE	5	CALC
6622		6622 NUMBER SERVICES	12	CALC
6623		6623 CUSTOMER SERVICES	40	CALC

6620	6620 TOTAL SERVICES EXPENSES	57	CALC
-	700 TOTAL CUSTOMER OPERATIONS EXPENSE (6610 + 6620)	79	CALC
	CORPORATE OPERATIONS EXPENSES	A. EXPENSES	B. REVENUES
			C. EXP/REV (A/B)
6711	6711 EXECUTIVE	3	CALC
6712	6712 PLANNING	1	CALC
6710	6710 TOTAL EXECUTIVE & PLANNING	4	CALC
6721	6721 ACCOUNTING & FINANCE	9	CALC
6722	6722 EXTERNAL RELATIONS	5	CALC
6723	6723 HUMAN RESOURCES	7	CALC
6724	6724 INFORMATION MANAGEMENT	25	CALC
6725	6725 LEGAL	2	CALC
6726	6726 PROCUREMENT	1	CALC
6727	6727 RESEARCH & DEVELOPMENT	1	CALC
6728	6728 OTHER GENERAL & ADMINISTRATIVE	21	CALC
6720	6720 TOTAL GENERAL & ADMINISTRATIVE	72	CALC
	710 TOTAL CORPORATE OPERATIONS EXPENSE (6710 + 6720 + 6730)	95	CALC
	720 TOTAL OPERATING EXPENSES		CALC
	DEM - LOCAL	13,005	
	DEM - INTRASTATE	2,777	
	DEM - INTERSTATE	2,742	
	MESSAGES - INTRALATA	176	
	MESSAGES - INTERLATA - interstate	377	
	MESSAGES - INTERLATA - intrastate	177.5489309	
4308 (EC)	LOCAL CALL ATTEMPTS	2,947	
	LINES - BUSINESS	286	
	RESIDENTIAL	775	
	PUBLIC	9	
	SPECIAL	71	
	TOTAL	1,143	
	5081 END USER		48
	5082 SWITCHED ACCESS		109
	5083 SPECIAL ACCESS		20
	TOTAL INTER ACCESS		177
	5084 END USER		
	5084 SWITCHED ACCESS		
	5084 SPECIAL ACCESS		
	STATE ACCESS		91
	TOTAL ACCESS REVENUES		268
	LD MESSAGE REVENUE		
	5100 INTERSTATE MESSAGE		
	5100 INTRASTATE MESSAGE		
	5100 INTERSTATE CALLING PLAN		
	5100 INTRASTATE CALLING PLAN		
	LD MSG REV (CLASS A)		77
	UNIDIRECTIONAL LD		
	5110 INTERSTATE		
	INTRASTATE		
	TOTAL		3
	5120 LD PRIVATE NETWORK		6
	OTHER LD		
	5160 INTERSTATE		
	INTRASTATE		
	TOTAL		1
	TOTAL LD NETWORK REVENUE		
	INTERSTATE		
	INTRASTATE		
	TOTAL		87
	BASIC LOCAL SERVICE		
	5001 BASIC AREA		236
	5002 OPTIONAL EXTEND AREA		7
	5003 CELLAR MOBIL		6
	5004 OTHER MOBIL SVC		0
	TOTAL BASIC SVC		249
	PUBLIC TELEPHONE REVENUE		
	5010 LOCAL PUBLIC MSG		
	UNIVERSAL		
	PB EXCHANGE IX CARRIER		
	CC COINLESS		
	PUBLIC EXH		

	SEMI-PUBLIC OTHER PUBLIC PHONE REV TOTAL PUBLIC PHONE REVENUE				7	
	5040 LOCAL PRIVATE LINE				8	
	CUSTOMER PREMISE 5050 STATION APP CUSTOMER PREMISE WIRING TOTAL CUSTOMER PREMISES				1	
	OTHER LOCAL EXCHANGE 5060 CO FEATURES INFO TRANSPORT DIRECTORY ASSIST INTERCEPT SRVC OTHER LOC EXCH TOTAL OTHER				58	
	TOTAL LOCAL NETWORK SRVC REVENUE INTERSTATE INTRASTATE				323.1830468	
	TOTAL REVENUE				678.4061108	
	CAPITAL STRUCTURE PARAMETERS					
	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO
	COST OF DEBT					
	COST OF EQUITY					
		BALANCE SHEET	ACCRUEL		DEPR LIFE	
		43-02, B-1	43-02, B-5		(ASSUMING	
		AVG=(ab+af)/2	(col 2C)		STRAIGHT LIFE)	
		A	B		C = (A/C)	
		-	-		-	
	ECONOMIC LIFE					
(2422,21,22,23,41)	FEEDER					
(2422,21,22,23,41)	DISTRIBUTION					
	2121 BUILDINGS					
	2232 DLC ELECTRONIC EQUIPMENT					
	2212 EO SWITCHING					
	2212 TANDEM SWITCHING					
	2220 OS POSITIONS					
	2220 OS TANDEM					
	2232 TRANSMISSION SYSTEMS					
	2351 PUBLIC TELEPHONE EQUIPMENT					
2122,2124	FURNITURE + GP COMPUTERS					
DATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCESum checksum checksum checksum checksum checksum checksum check						
ARMIS 4303	Jan 1996 to Dec 1996			28215	495	
ARMIS 4304	GEORGIA			9007 (EJ)	9010	
ARMIS 4308		0 (EJ)				
DEM				0		
=	=	=	=	=	=	
UNCOLL RATE:	BA Lcl Svc	4303.Ln 520				323.1909156
	LD Ntwk Svs Rev	4303.Ln 525				87.6390591
	End User	4303.Ln 5081				48.49821559
	Sw Acc	4303.Ln 5082				108.5831392
	Spcl Acc	4303.Ln 5083				19.98202655
	St Acc	4303.Ln 5084				91.20796757
	Uncoll Rev	4303.Ln 5300				11.49467244
	Tot Acc	4304.Ln4040 (P)				0.952787515
	B&C	4304.Ln4040 (Q)				0.093579972
	IX	4304.Ln4040 (R)				0.003382852
	Ln4040 (P+Q+R)	Calc (P+Q+R)				1.049750338
Uncoll -Acc	5300-(4040p..r)	1a				10.4449221
End User+ Rievs	5081+520+525	1b				459.3281903
Uncoll Retail Rate		1c=(a/b)				0.022739563
Uncoll Wholesale rate	4040p/(5082..5084)	2a				0.004335323

Actuals for 1996 (\$000s)

	Investments	Expenses	Calculated Factor	
Plant-Specific Operations Expenses				
TPIS - General Support				
2111 Land	\$ 10	\$ -	-	
2112 Motor Vehicles	\$ 25	\$ 1	0.0348	
2113 Aircraft	\$ 1	\$ 0	0.3125	
2114 Special Purpose Vehicles	\$ 0	\$ 0	0.0142	
2115 Garage Work Equipment	\$ 1	\$ 0	0.0353	
2116 Other Work Equipment	\$ 19	\$ 0	0.0113	
2121 Buildings	\$ 145	\$ 16	0.1103	Land & Bldg Exp Applied to Bldgs
2122 Furniture	\$ 10	\$ 1	0.1224	
2123 Office Equipment	\$ 24	\$ 2	0.1015	
2124 General Purpose Computers	\$ 37	\$ 24	0.6381	
2110 Total Land & Support Assets	\$ 272	\$ 45	0.1650	
TPIS - Central Office Switching				
2211 Analog Electronic Switching	\$ 16	\$ 1	0.0453	
2212 Digital Electronic Switching	\$ 476	\$ 27	0.0569	4.75% NET CO Switch Factor
2210 Total Central Office Switching	\$ 492	\$ 28	0.0565	
2220 Operator Systems	\$ 7	\$ 0	0.0675	
TPIS - Central Office Transmission				
2231 Satellite & Earth Station Facilities				
2231 Other Radio Facilities				
2231 Radio Systems				
2232 Circuit Equipment	\$ 328	\$ 5	0.0163	1.53% alternative factor
2230 Total Central Office Transmission	\$ 328	\$ 5	0.0163	
TPIS - Information Orig/Term				
2311 Station Apparatus	\$ 0	\$ 0	0.3824	
2321 Customer Premises Wiring	\$ -	\$ -	0.0000	
2341 Large Private Branch Exchange	\$ 0	\$ 0	4.5000	
2351 Public Telephone Terminal Equipment	\$ 10	\$ 2	0.1881	
2362 Other Terminal Equipment	\$ 18	\$ 3	0.1763	
2310 Total Information Orig/Term	\$ 29	\$ 5	0.1824	
TPIS - Cable & Wire Facilities				
2411 Poles	\$ 57	\$ 2	0.0413	
2421 Aerial Cable	\$ 266	\$ 17	0.0629	0.0629
2422 Underground Cable	\$ 170	\$ 3	0.0196	0.0196
2423 Buried Cable	\$ 471	\$ 18	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	\$ 96	\$ 0	0.0037	
2410 Total Cable & Wire Facilities	\$ 1,060	\$ 41	0.0388	
240 Total TPIS (before amortizable assets)	\$ 1,916	\$ 125	0.0652	
Plant Non-Specific Operations Expenses				
	Expenses	Investment	Factor	
6512 Provisioning Expenses	\$ 1	\$ 1,916	0.0003	
6531 Power Expenses	\$ 4	\$ 1,916	0.0019	8.10% all
6532 Network Administration	\$ 9	\$ 1,916	0.0048	20.47% switching, interoffice
6533 Testing	\$ 9	\$ 1,916	0.0050	21.22% all
6534 Plant Operations Administration	\$ 14	\$ 1,916	0.0074	31.89% all
6535 Engineering	\$ 8	\$ 1,916	0.0039	16.83% all
6540 Access Expense				
6530 Total Network Operations Expenses (includes provisioning)	\$ 45	\$ 1,916	0.0233	per line network operations
Network Support Factor Calculation				(=total ARMIS 6530/total lines)
	Expenses	Cable & Wire Inv	Factor	total lines (from net. invest. inputs)
6112 Motor Vehicles	\$ 1			1,143
6113 Aircraft	\$ 0			
6114 Special Purpose Vehicles	\$ 0			
6115 Garage Work Equipment	\$ 0			
6116 Other Work Equipment	\$ 0			
Aircraft & Special Purpose Vehicles	\$ 1	\$ 1,060	0.0011	\$ 39.11
annual net ops per line				

Customer Operations Expenses

	Expenses		Net Revenues		Factor			
6611 Product Management *	\$	6	\$	0.4638	\$	382	0.0166	
6612 Sales *	\$	12	\$	0.8522	\$	382	0.0306	
6613 Product Advertising	\$	4			\$	382	0.0110	
6610 Total Marketing Expenses	\$	22					0.0582	
6621 Call Completion Service	\$	5			\$	382	0.0131	
6622 Number Services	\$	12	\$	0.8863	\$	382	0.0318	
6623 Customer Services	\$	40	\$	2.9168	\$	382	0.1046	
6620 Total Services Expenses	\$	57	\$	4.23			0.1495	
Billing/bill inquiry (per line/month)	\$	2.30						
Directory listing (per line/month)		-						
700 Total Customer Operations Expenses	\$	79.44			\$	382	0.2078	0.2442

Corporate Operations Expenses

Corporate Operations Expense		Expenses	Revenues	Factor		
6711 Executive	\$	3	\$	382	0.0079	
6712 Planning		1	\$	382	0.0039	
6710 Total Executive & Planning	\$	4	\$	382	0.0117	
6721 Accounting & Finance	\$	9	\$	382	0.0237	
6722 External Relations	\$	5	\$	382	0.0144	
6723 Human Resources	\$	7	\$	382	0.0171	
6724 Information Management	\$	25	\$	382	0.0653	
6725 Legal	\$	2	\$	382	0.0055	
6726 Procurement	\$	1	\$	382	0.0030	
6727 Research & Development	\$	1	\$	382	0.0038	
6728 Other General & Administrative	\$	21	\$	382	0.0554	
6720 Total General & Administrative	\$	72	\$	382	0.1880	
710 Total Corporate Operations Expense	\$	76	\$	382	0.1040	0.2347
720 Total Operating Expenses	\$	325				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	\$ 10	\$ 24	\$ 37	\$ 25	\$ 72	\$ 1	\$ 19
Investment/TPIS	0.005	0.013	0.020	0.013	0.038	0.000	0.010
Expense	\$ 1	\$ 2	\$ 24	\$ 1	\$ 8	\$ 0	\$ 0
Expense Factor	0.122	0.101	0.638	0.035	0.110	0.035	0.011
Model TPIS	\$ 9,830	\$ 9,830	\$ 9,830	\$ 9,830	\$ 9,830	\$ 9,830	\$ 9,830
Calculated Investment	\$ 49	\$ 125	\$ 192	\$ 128	\$ 371	\$ 4	\$ 100
Calculated Expense	\$ 6	\$ 13	\$ 122	\$ 4	\$ 41	\$ 0	\$ 1
Subtotal (\$s)	\$ 82,917						
Total Misc Expense	\$ 82,917						

Other Taxes & Uncollectibles Calculation

	Expenses		Net Revenues		Factor
7230 Operating State & Local Income Tax	\$	7	\$	(37)	
7240 Operating Other Taxes	\$	30	\$	(37)	0.0500
5300 Uncollectible Revenues	\$	11	\$	382	0.0301
retail					0.0227
wholesale					0.0043
Ratio of Net Plant to TPIS					
TPIS	\$	1,916			
Net Plant	\$	1,916			
Ratio	\$	1			
Model Investment	\$	-			
Model % of Net Plant	\$	-			
Model % of TPIS		0%			

Actual 1996 Revenue

		% of total
Interstate Access		
5081 End User	\$ 48	8.26%
5082 Switched Access	\$ 109	18.49%
5083 Special Access	\$ 20	3.40%
Total Inter Access	\$ 177	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	\$ 177	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	\$ 77	13.08%
Unidirectional LD Revenue		
5110 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 3	0.48%
LD Private Network Revenue		
5120 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 6	1.08%
Other Long Distance Revenue		
5160 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 1	0.17%
Total Long Distance Network Rev		
Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 87	14.81%

Basic Local Service		
5001 Basic Area	\$ 236	40.21%
5002 Optional Extended Area	\$ 7	1.23%
5003 Cellular Mobile	\$ 6	0.95%
5004 Other Mobile Svcs	\$ 0	0.08%
Total Basic Local Service	\$ 249	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	\$ 7	1.18%
Local Private Line Revenue		
5040 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total Private Line	\$ 8	1.40%
Customer Premises Revenue		
5050 Station Apparatus	\$ -	0.00%
Customer Premises Wiring	\$ -	0.00%
Total Customer Premises	\$ 1	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	\$ 58	9.89%
Total Local Network Service Revenue		
Interstate	\$ -	0.00%
Intrastate	\$ 323	55.04%
Total Revenue	\$ 587	100.00%

HAI Model Release 5.0a

Expense Module Release 5.0a

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

Scenario Inputs

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

Workfile Name: C:\Program Files\HM50\WORKFILES\HMWKMO4212061.XLS
Distribution Module Name: C:\Program Files\HM50\MODULES\R50a_distribution.xls
Feeder Module Name: C:\Program Files\HM50\MODULES\R50a_feeder.xls
Switching Module Name: C:\Program Files\HM50\MODULES\R50a_switching_io-Dt-HRInd-TransForm-Fiber-Sharing.xls
Expense Module Name: C:\Program Files\HM50\MODULES\R50a_expense_density.xls

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

HAI Model Release 5.0a
User Adjustable Inputs

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

HAI Model Release 5.0a

User Adjustable Inputs

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

HAI Model Release 5.0a

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

HAI Model Release 5.0a
User Adjustable Inputs

Distribution Input	Current Scenario Value	Default Scenario Value	Feeder Input	Current Scenario Value	Default Scenario Value
Distribution Cable 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			

HAI Model Release 5.0a
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			

HAI Model Release 5.0a

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	2,946	2,946	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	176	176	Distribution Buried Shring Fraction - 100	1.00	1.00
InterLATA intrastate Calls Completed	177	177	Distribution Buried Shring Fraction - 200	1.00	1.00
InterLATA interstate Calls Completed	377	377	Distribution Buried Shring Fraction - 650	1.00	1.00
Local DEMs, thousands	13,005	13,005	Distribution Buried Shring Fraction - 850	1.00	1.00
Intrastate DEMs, thousands	2,776	2,776	Distribution Buried Shring Fraction - 2550	1.00	1.00
Interstate DEMs, thousands	2,741	2,741	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

HAI Model Release 5.0a

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

HAI Model Release 5.0a

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			

HAI Model Release 5.0a
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