

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	381	24	353	4	1	2	339	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 406,679	\$ 20,081	\$ -	\$ -	\$ -	\$ -	\$ 241,685
5	DLC	25	2	23	0	0	0	21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,477	\$ 7,371	\$ -	\$ -	\$ -	\$ -	\$ 15,771
100	DLC																			
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		406	25	376	4	1	2	360	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 557,156	\$ 27,452	\$ -	\$ -	\$ -	\$ -	\$ 257,456

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	\$ 23,282	\$ -	\$ 468,491	\$ 23,709	\$ -	\$ -	\$ 571,430	\$ 33,360	0.00%	27.64%	0.00%	\$ 216,497	\$ 5,550	\$ 32,003	\$ 37,496	\$ 10,295	108,034
5	DLC	\$ 1,519	\$ -	\$ 12,473	\$ 631	\$ -	\$ -	\$ 30,514	\$ 2,919	0.00%	35.66%	0.00%	\$ 40,800	\$ 500	\$ 2,088	\$ 2,314	\$ 641	54,879
100	DLC																	
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		\$ 24,802	\$ -	\$ 480,964	\$ 24,340	\$ -	\$ -	\$ 601,944	\$ 36,279				\$ 257,297	\$ 6,050	\$ 34,092	\$ 39,810	\$ 10,936	162,913

Totals/Avgs	357,980	406	\$	453,543	\$	-	\$	37,500	\$	5,000	\$	764	\$	1,005	\$	322	\$	402	\$	19,024	\$	583	\$	-	\$	114,935	\$	3,295	\$	2,358	\$	-
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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	\$	64,359	\$	43,957	\$	1,260	\$	902	\$	-	\$	26,220	\$	20,370	\$	584	\$	418	\$	-	\$	12,150	6										
5	DLC	\$	4,200	\$	2,868	\$	82	\$	59	\$	-	\$	1,711	\$	1,329	\$	38	\$	27	\$	-	\$	793	0										
100	DLC																																	
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		\$	-	\$	68,559	\$	-	\$	46,826	\$	1,342	\$	961	\$	-	\$	-	\$	27,931	\$	-	\$	21,699	\$	622	\$	445	\$	-	\$	-	\$	12,943	6

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	2	1	8	5	16	4	943	\$ 151	\$ 2,076	\$ 9,042	\$ 538	5,602,764	574,154	2,873,133
5	DLC	0	0	0	0	1	0	62	\$ 10	\$ 135	\$ 590	\$ 35	365,615	37,467	319,087
100	DLC														-
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		2	1	8	5	17	4	1,005	\$ 161	\$ 2,211	\$ 9,633	\$ 573	5,968,379	611,621	3,192,220

Universal Service Calculation Sheet - monthly costs per line

Missouri
Peace Valley Telephone Co

	0 - 5 lines/sq mi	5 - 100 lines/sq mi	100 - 200 lines/sq mi	200 - 650 lines/sq mi	650 - 850 lines/sq mi	850 - 2,550 lines/sq mi	2,550 - 5,000 lines/sq mi	5,000 - 10,000 lines/sq mi	> 10,000 lines/sq mi	Weighted Average
Local network costs										
Loop	\$ 120.27	\$ 234.57	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 127.27
Port	8.78	8.78	-	-	-	-	-	-	-	8.78
End office usage	11.65	11.65	-	-	-	-	-	-	-	11.65
Signaling	0.18	0.18	-	-	-	-	-	-	-	0.18
Transport	4.33	4.33	-	-	-	-	-	-	-	4.33
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	\$ 148.24	\$ 262.54	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 155.25
@ Residence usage per line	\$ 148.12	\$ 262.42	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 155.12
@ Business usage per line	\$ 150.03	\$ 264.33	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 157.03
Total switched lines	377	25	-	-	-	-	-	-	-	402
Primary residence lines	339	21	-	-	-	-	-	-	-	360
Secondary residence lines	14	2	-	-	-	-	-	-	-	17
Single line business lines	2	0	-	-	-	-	-	-	-	2
Multiline business lines	22	1	-	-	-	-	-	-	-	23
Public lines	1	0	-	-	-	-	-	-	-	1
FEDERAL FUND ANALYSIS										
Annual Support										
for line types:	Specify	Bench								
Primary residence lines	X	\$31.00	\$ 476,013	\$ 57,928	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 533,941
Secondary residence lines		\$31.00	\$ 20,189	\$ 6,051	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 26,240
Single line business lines	X	\$51.00	\$ 2,141	\$ 301	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,442
Multiline business lines		\$51.00	\$ 25,918	\$ 3,643	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 29,562
Public lines		\$51.00	\$ 842	\$ 118	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 960
Support cost if all lines supported			\$ 525,102	\$ 68,042	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 593,145
Total annual support for specified lines										
@25% Federal allocation			\$ 119,538	\$ 14,557	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 134,096
@Implied 75% State allocation			\$ 358,615	\$ 43,672	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 402,287

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

\$20.00	\$ 520,720	\$ 60,682	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 581,402
\$30.00	\$ 480,077	\$ 58,179	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 538,256
\$40.00	\$ 439,434	\$ 55,676	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 495,110
\$50.00	\$ 398,792	\$ 53,172	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 451,964
\$60.00	\$ 358,149	\$ 50,669	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 408,818
\$70.00	\$ 317,506	\$ 48,166	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 365,672
\$80.00	\$ 276,863	\$ 45,663	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 322,526

STATE FUND ANALYSIS														
Annual Support for line types:		Specify	Bench mark											
Primary residence lines	X	\$31.00	\$	476,013	\$	57,928	\$	-	\$	-	\$	-	\$	533,941
Secondary residence lines		\$31.00	\$	20,189	\$	6,051	\$	-	\$	-	\$	-	\$	26,240
Single line business lines	X	\$51.00	\$	2,141	\$	301	\$	-	\$	-	\$	-	\$	2,442
Multiline business lines		\$51.00	\$	25,918	\$	3,643	\$	-	\$	-	\$	-	\$	29,562
Public lines		\$51.00	\$	842	\$	118	\$	-	\$	-	\$	-	\$	960
Support cost if all lines supported			\$	525,102	\$	68,042	\$	-	\$	-	\$	-	\$	593,145
Total annual support for specified lines			\$	478,154	\$	58,229	\$	-	\$	-	\$	-	\$	536,383
@75% State allocation			\$	358,615	\$	43,672	\$	-	\$	-	\$	-	\$	402,287
@Implied 25% Federal allocation			\$	119,538	\$	14,557	\$	-	\$	-	\$	-	\$	134,096

TOTAL FUND ANALYSIS														
25% Federal allocation from Federal Fund Analysis	\$	119,538	\$	14,557	\$	-	\$	-	\$	-	\$	-	\$	134,096
75% State allocation from State Fund Analysis	\$	358,615	\$	43,672	\$	-	\$	-	\$	-	\$	-	\$	402,287
Total Federal + State fund	\$	478,154	\$	58,229	\$	-	\$	-	\$	-	\$	-	\$	536,383

Module release date: 11/4/1997

COST OF NETWORK ELEMENTS

Missouri
Peace Valley Telephone Co

Loop elements	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
NID										
Annual Cost	\$ 2,572	\$ 160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,732
Unit Cost/month	0.56	0.54	-	-	-	-	-	-	-	0.56
Loop Distribution (DLC)										
Annual Cost	\$ 302,344	\$ 13,283	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 315,628
Unit Cost/month	66.09	44.50	-	-	-	-	-	-	-	64.77
Loop Distribution (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Distribution (all)										
Annual Cost	\$ 302,344	\$ 13,283	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 315,628
Unit Cost/month	66.09	44.50	-	-	-	-	-	-	-	64.77
Loop Concentration (DLC)										
Annual Cost	\$ 60,180	\$ 11,211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 71,390
Unit Cost/month	13.16	37.55	-	-	-	-	-	-	-	14.65
Loop Concentration (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Concentration (all)										
Annual Cost	\$ 60,180	\$ 11,211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 71,390
Unit Cost/month	13.16	37.55	-	-	-	-	-	-	-	14.65
Loop Feeder (DLC)										
Annual Cost	\$ 175,373	\$ 44,132	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 219,506
Unit Cost/month	38.34	147.84	-	-	-	-	-	-	-	45.04
Loop Feeder (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Feeder (all)										
Annual Cost	\$ 175,373	\$ 44,132	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 219,506
Unit Cost/month	38.34	147.84	-	-	-	-	-	-	-	45.04
Total Loop (DLC)										
Annual Cost	\$ 540,470	\$ 68,786	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 609,256
Unit Cost/month	118.14	230.42	-	-	-	-	-	-	-	125.02
Total Loop (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Total Loop (all)										
Annual Cost	\$ 540,470	\$ 68,786	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 609,256
Unit Cost/month	118.14	230.42	-	-	-	-	-	-	-	125.02
Total lines	381	25	-	-	-	-	-	-	-	406
Total lines served by DLC	381	25	-	-	-	-	-	-	-	406

	Annual Cost	Units	Unit Cost
End office switching	\$ 138,622		
Line Port	41,587	402 switched lines	\$ 8.62 per line/month
Non-Line Port	97,036	4,548,122 actual minutes	\$ 0.02134 per actual minute (for rate per DEM, see "Cost detail" sheet)
Signaling network elements	\$ 3,453		
Links	2,557	2 links	\$ 107.61 per link per month
STP	587	2,570,626 TCAP+ISUP msgs	\$ 0.00023 per signaling message
SCP	309	261,000 TCAP queries	\$ 0.00119 per query
Transport network elements			
<i>Dedicated</i>			
Sw+Sp Transport	\$ 5,842	5 trunks	\$ 95.51 per DS-0 equivalent per month
Switched	1,146	1 trunks	\$ 0.00951 per minute
Special	4,696	4 trunks	
Transmission Terminal	3,580	5 trunks	\$ 58.52 per DS-0 equivalent per month
			\$ 0.00583 per minute
			\$ 0.01533 total per minute
<i>Common</i>			
Transport	\$ 30,944	1,970,808 minutes	\$ 0.00951 per minute per leg (orig or term)
Transmission Terminal	18,962	1,970,808 minutes	\$ 0.00583 per minute
			\$ 0.01533 total per minute
<i>Direct</i>			
Transport	\$ 12,607	264,796 minutes	\$ 0.04761 per minute
Transmission Terminal	7,725	264,796 minutes	\$ 0.02917 per minute
			\$ 0.07678 total per minute
Tandem switch	\$ 555	1,720,876 minutes	\$ 0.00032 per minute
Operator systems	\$ 6,543		
Public Telephones	\$ 290		
Total (w/ Public)	\$ 838,377		
Total cost of switched network elements (w/o Public)	\$ 170.89 per line/month		

	interconnected at		
	end office	tandem	wtd average
Local interconnection			
EO switching	\$ 0.02134	\$ 0.02134	
ISUP	\$ 0.00153	\$ 0.00153	
Common Transport	\$ -	\$ 0.01533	
Tandem Switching	\$ -	\$ 0.00032	
TOTAL	\$ 0.02287	\$ 0.03853	n/a

IXC switched access			
EO switching	\$ 0.02134	\$ 0.02134	
ISUP	\$ 0.00153	\$ 0.00153	
Dedicated Transport	\$ 0.01533	\$ 0.01533	
Common Transport	\$ -	\$ 0.01533	
Tandem Switching	\$ -	\$ 0.00032	
TOTAL	\$ 0.03820	\$ 0.05386	\$ 0.05386

Signaling detail			
cost per 800 call attempt (TCAP)	\$ 0.0028		
ISUP cost/transaction	\$ 0.00801		
ISUP cost/completion	0.0114		
IXC switched access MOU/comp	7.47		
ISUP cost/min	\$ 0.001533		
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	97,036
Total DEMs	6,580,000
Cost per DEM \$	0.01475

Dedicated Transport Costs Per Trunk

DS-0 per month	
Transport per month	\$ 95.51
Terminal per month *	\$ 725.70
TOTAL	\$ 821.20

DS-1 per month	
Transport per month	\$ 2,292.12
Terminal per month	\$ 1,404.58
TOTAL	\$ 3,696.70

DS-3 per month	
Transport per month	\$ 64,179.39
Terminal per month	\$ 3,972.54
TOTAL	\$ 68,151.93

Trunk Port Costs

per trunk port (DS-0 equivalent) per month	\$ 2.55
per trunk port minute	\$ 0.000254

total EO usage per minute	\$ 0.021335
trk port/min	\$ 0.000254
other	\$ 0.021082

	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)	27.6%	35.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	28.1%
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	12,943
Total Lines	406
Total Dedicated Terminal Investment per line	\$ 32
Entrance Facility percent to total	\$ -
Terminal Investment per DS-0	\$ 2,539
Transport Investment per DS-0	\$ 4,466

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	\$ 1,647	\$ 103	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,750
Network Expenses	\$ 345	\$ 21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	366
Direct expense	\$ 1,992	\$ 124	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,116
Investment	\$ 10,295	\$ 641	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,936
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 567	\$ 35	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	602
Total	\$ 2,559	\$ 159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,718
with carrier-to-carrier	\$ 2,561	\$ 159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,720
Distribution (DLC)										
Annual Capital Cost	\$ 188,128	\$ 8,287	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	196,415
Network Expenses	\$ 45,992	\$ 2,002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	47,994
Direct expense	\$ 234,120	\$ 10,289	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	244,409
Investment	\$ 1,166,489	\$ 50,939	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,217,428
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 66,655	\$ 2,929	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	69,584
Total	\$ 300,775	\$ 13,219	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	313,994
with carrier-to-carrier	\$ 301,034	\$ 13,226	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	314,259
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	\$ 188,128	\$ 8,287	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	196,415
Network Expenses	\$ 45,992	\$ 2,002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	47,994
Direct expense	\$ 234,120	\$ 10,289	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	244,409
Investment	\$ 1,166,489	\$ 50,939	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,217,428
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 66,655	\$ 2,929	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	69,584
Total	\$ 300,775	\$ 13,219	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	313,994
with carrier-to-carrier	\$ 301,034	\$ 13,226	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	314,259
Concentrator (DLC)										
Annual Capital Cost	\$ 43,179	\$ 8,050	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	51,229
Network Expenses	\$ 3,421	\$ 634	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,055
Direct expense	\$ 46,600	\$ 8,684	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	55,284
Investment	\$ 222,047	\$ 41,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	263,347
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 13,267	\$ 2,472	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	15,740
Total	\$ 59,867	\$ 11,156	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	71,024
with carrier-to-carrier	\$ 59,919	\$ 11,162	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	71,081
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	\$ 43,179	\$ 8,050	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	51,229
Network Expenses	\$ 3,421	\$ 634	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,055
Direct expense	\$ 46,600	\$ 8,684	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	55,284
Investment	\$ 222,047	\$ 41,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	263,347
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 13,267	\$ 2,472	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	15,740
Total	\$ 59,867	\$ 11,156	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	71,024
with carrier-to-carrier	\$ 59,919	\$ 11,162	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	71,081
Feeder (DLC)										
Annual Capital Cost	\$ 108,369	\$ 27,196	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	135,565
Network Expenses	\$ 27,431	\$ 6,990	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	34,421
Direct expense	\$ 135,900	\$ 34,186	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	169,986
Investment	\$ 691,727	\$ 175,139	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	866,866
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 38,663	\$ 9,733	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	48,396
Total	\$ 174,463	\$ 43,919	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	218,381
with carrier-to-carrier	\$ 174,613	\$ 43,941	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	218,554
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	\$ 108,369	\$ 27,196	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	135,565
Network Expenses	\$ 27,431	\$ 6,990	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	34,421
Direct expense	\$ 135,800	\$ 34,186	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	169,986
Investment	\$ 691,727	\$ 175,139	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	866,866
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 38,663	\$ 9,733	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	48,396
Total	\$ 174,463	\$ 43,919	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	218,381
with carrier-to-carrier	\$ 174,613	\$ 43,941	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	218,554
End Office Switching										
Annual Capital Cost	\$ 75,002	\$ 4,894	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	79,897
Network Expenses	\$ 24,105	\$ 1,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	25,678
Direct expense	\$ 99,108	\$ 6,467	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	105,575
Investment	\$ 465,656	\$ 30,387	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	496,043
Support expenses	\$ 18,206	\$ 1,135	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19,341
Subtotal, with misc spt	\$ 117,314	\$ 7,602	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	124,916
Total, with var overhead	\$ 129,515	\$ 8,393	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	137,907
with carrier-to-carrier	\$ 129,624	\$ 8,397	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	138,021
Signaling										
Annual Capital Cost	\$ 1,958	\$ 128	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,086
Network Expenses	\$ 511	\$ 33	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	544
Direct expense	\$ 2,469	\$ 161	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,630
Investment	\$ 12,212	\$ 797	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,009
Support expenses	\$ 453	\$ 28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	482
Subtotal, with misc spt	\$ 2,922	\$ 189	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,112
Total, with var overhead	\$ 3,226	\$ 209	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,435
with carrier-to-carrier	\$ 3,229	\$ 209	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,438
Dedicated Transport										
Annual Capital Cost	\$ 3,331	\$ 217	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,548
Network Expenses	\$ 846	\$ 55	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	901
Direct expense	\$ 4,177	\$ 273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,449
Investment	\$ 21,372	\$ 1,395	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	22,766
Support expenses	\$ 767	\$ 48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	815
Subtotal, with misc spt	\$ 4,944	\$ 320	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,264
Total, with var overhead	\$ 5,458	\$ 354	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,812
with carrier-to-carrier	\$ 5,463	\$ 354	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,817
Dedicated Transport Transmission										
Annual Capital Cost	\$ 2,373	\$ 155	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,528
Network Expenses	\$ 186	\$ 12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	198
Direct expense	\$ 2,559	\$ 167	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,726
Investment	\$ 12,150	\$ 793	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,943
Support expenses	\$ 470	\$ 29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	499
Subtotal, with misc spt	\$ 3,030	\$ 196	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,226
Total, with var overhead	\$ 3,345	\$ 217	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,561
with carrier-to-carrier	\$ 3,347	\$ 217	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,564
Direct Transport										
Annual Capital Cost	\$ 7,188	\$ 469	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,657
Network Expenses	\$ 1,825	\$ 119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,945
Direct expense	\$ 9,013	\$ 588	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,601
Investment	\$ 46,119	\$ 3,010	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	49,129
Support expenses	\$ 1,656	\$ 103	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,759
Subtotal, with misc spt	\$ 10,669	\$ 691	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,360
Total, with var overhead	\$ 11,778	\$ 763	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,542
with carrier-to-carrier	\$ 11,788	\$ 764	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,552
Direct Transport Transmission										
Annual Capital Cost	\$ 5,122	\$ 334	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,456
Network Expenses	\$ 401	\$ 26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	427
Direct expense	\$ 5,523	\$ 360	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,884
Investment	\$ 26,220	\$ 1,711	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	27,931
Support expenses	\$ 1,015	\$ 63	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,078
Subtotal, with misc spt	\$ 6,538	\$ 424	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,961
Total, with var overhead	\$ 7,218	\$ 468	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,685
with carrier-to-carrier	\$ 7,224	\$ 468	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,692
Common Transport										
Annual Capital Cost	\$ 17,642	\$ 1,151	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	18,794
Network Expenses	\$ 4,481	\$ 292	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,773
Direct expense	\$ 22,123	\$ 1,444	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,567
Investment	\$ 113,202	\$ 7,387	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	120,589
Support expenses	\$ 4,064	\$ 253	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,317
Subtotal, with misc spt	\$ 26,187	\$ 1,697	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	27,884
Total, with var overhead	\$ 28,911	\$ 1,873	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,784
with carrier-to-carrier	\$ 28,935	\$ 1,874	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,809

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	\$ 12,572	\$ 820	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,392
Network Expenses	\$ 985	\$ 64	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,049
Direct expense	\$ 13,557	\$ 885	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,441
Investment	\$ 64,359	\$ 4,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	68,559
Support expenses	\$ 2,490	\$ 155	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,646
Subtotal, with misc spt	\$ 16,047	\$ 1,040	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	17,087
Total, with var overhead	\$ 17,716	\$ 1,148	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	18,864
with carrier-to-carrier	\$ 17,731	\$ 1,149	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	18,880
Tandem Switching										
Annual Capital Cost	\$ 259	\$ 17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	275
Network Expenses	\$ 138	\$ 9	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	147
Direct expense	\$ 397	\$ 26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	423
Investment	\$ 1,660	\$ 108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,769
Support expenses	\$ 73	\$ 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	77
Subtotal, with misc spt	\$ 469	\$ 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	500
Total, with var overhead	\$ 518	\$ 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	552
with carrier-to-carrier	\$ 519	\$ 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	552
Operator Systems										
Annual Capital Cost	\$ 3,002	\$ 196	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,198
Network Expenses	\$ 1,752	\$ 114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,867
Direct expense	\$ 4,755	\$ 310	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,065
Investment	\$ 19,085	\$ 1,245	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	20,331
Support expenses	\$ 782	\$ 48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	831
Subtotal, with misc spt	\$ 5,537	\$ 359	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,896
Total, with var overhead	\$ 6,113	\$ 396	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,509
with carrier-to-carrier	\$ 6,118	\$ 396	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,514
Public Telephone										
Annual Capital Cost	\$ 110	\$ 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	117
Network Expenses	\$ 101	\$ 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	108
Direct expense	\$ 211	\$ 14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	225
Investment	\$ 538	\$ 35	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	573
Support expenses	\$ 35	\$ 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	37
Subtotal, with misc spt	\$ 246	\$ 16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	262
Total, with var overhead	\$ 272	\$ 18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	289
with carrier-to-carrier	\$ 272	\$ 18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	290
Totals										
Annual Capital Cost	\$ 469,882	\$ 52,025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	521,908
Network Expenses	\$ 112,520	\$ 11,953	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	124,473
Total	\$ 582,403	\$ 63,978	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	646,381
Investment	\$ 2,873,133	\$ 319,087	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,192,220
Supporting Network Expenses										
Capital Cost - Gent Support	\$ 24,096	\$ 2,676	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	26,772
Network Operations	\$ 11,858	\$ 774	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,632
Network Support	\$ 1,675	\$ 184	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,859
Other Taxes	\$ 33,910	\$ 3,699	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	37,609
Misc Expenses	\$ 24,263	\$ 2,665	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	26,928
Subtotal	\$ 95,802	\$ 9,998	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	105,800
Carrier-carrier customer svc	\$ 644	\$ 42	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	686
Interoffice/Switching Net Ops	\$ 3,052	\$ 199	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,251
Interoffice/Sw Exp	\$ 158,925	\$ 10,371	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	169,296
Total Network Costs										
	\$ 681,257	\$ 74,175	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	755,432
Other costs										
Other Taxes	\$ 33,910	\$ 3,699	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	37,609
Monthly Cost Factors										
Loop	0.02193	0.02177	-	-	-	-	-	-	-	0.02191
Port	0.00711	0.00711	-	-	-	-	-	-	-	0.00711
Switching	0.00944	0.00944	-	-	-	-	-	-	-	0.00944
Signaling	0.00556	0.00556	-	-	-	-	-	-	-	0.00556
Transport	0.00573	0.00573	-	-	-	-	-	-	-	0.00573
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	99.9154%	99.9494%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	99.9175%

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	\$ 841	0%	100%	\$ -	\$ 841
Furniture - Expenses	\$ 646	0%	100%	\$ -	\$ 646
Office Equipment - Capital Costs	\$ 2,401	0%	100%	\$ -	\$ 2,401
Office Equipment - Expenses	\$ 1,368	0%	100%	\$ -	\$ 1,368
General Purpose Computer - Capital Costs	\$ 5,016	0%	100%	\$ -	\$ 5,016
General Purpose Computer - Expenses	\$ 13,224	0%	100%	\$ -	\$ 13,224
Motor Vehicles - Capital Costs	\$ 3,027	0%	100%	\$ -	\$ 3,027
Motor Vehicles - Expenses	\$ 1,058	0%	100%	\$ -	\$ 1,058
Buildings - Capital Costs	\$ 6,050	0%	100%	\$ -	\$ 6,050
Buildings - Expenses	\$ 4,417	0%	100%	\$ -	\$ 4,417
Garage Work Eqpt. - Capital Costs	\$ 89	0%	100%	\$ -	\$ 89
Garage Work Eqpt. - Expenses	\$ 31	0%	100%	\$ -	\$ 31
Other Work Eqpt. - Capital Costs	\$ 2,118	0%	100%	\$ -	\$ 2,118
Other Work Eqpt. - Expenses	\$ 268	0%	100%	\$ -	\$ 268
Total General Support	\$ 40,553			\$ -	\$ 40,553
Network Operations	\$ 9,220	0%	100%	\$ -	\$ 9,220
Other Taxes	\$ 27,451	0%	100%	\$ -	\$ 27,451
Variable Overhead	\$ 57,098	0%	100%	\$ -	\$ 57,098
Totals	\$ 77,224			\$ -	\$ 134,322

	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	\$ 418,512	\$ 53,283	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 471,795
Non-Loop-related direct costs	\$ 163,891	\$ 10,695	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 174,586
Total	\$ 582,403	\$ 63,978	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 646,381
Loop Fraction	71.86%	83.28%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	72.99%
Network Operations	\$ 11,858	\$ 774	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,632

	Total Annual Amount	Amount Assigned to Loops	Amount Assigned to Other UNEs
General Support - Totals			
Furniture - Capital Costs	\$ 1,152	\$ 841	\$ 311
Furniture - Expenses	\$ 884	\$ 646	\$ 239
Office Equipment - Capital Costs	\$ 3,289	\$ 2,401	\$ 888
Office Equipment - Expenses	\$ 1,874	\$ 1,368	\$ 506
General Purpose Computer - Capital Costs	\$ 6,872	\$ 5,016	\$ 1,856
General Purpose Computer - Expenses	\$ 18,118	\$ 13,224	\$ 4,894
Motor Vehicles - Capital Costs	\$ 4,147	\$ 3,027	\$ 1,120
			\$ 26,772
			\$ 28,786

Exp Assignment

Motor Vehicles - Expenses	\$ 1,449	\$ 1,058	\$ 391	
Buildings - Capital Costs	\$ 8,289	\$ 6,050	\$ 2,239	
Buildings - Expenses	\$ 6,051	\$ 4,417	\$ 1,634	
Garage Work Eqpt. - Capital Costs	\$ 121	\$ 89	\$ 33	
Garage Work Eqpt. - Expenses	\$ 42	\$ 31	\$ 11	
Other Work Eqpt. - Capital Costs	\$ 2,902	\$ 2,118	\$ 784	
Other Work Eqpt. - Expenses	\$ 368	\$ 268	\$ 99	
Total General Support	\$ 55,559	\$ 40,553	\$ 15,006	
Network Operations	\$ 12,632	\$ 9,220	\$ 3,412	
Other Taxes Calculation				
Total Direct Costs	\$ 646,381	\$ 471,795	\$ 174,586	\$ 646,381
Total Network Operations	\$ 12,632	\$ 9,220	\$ 3,412	\$ 12,632
Total General Support	\$ 55,559	\$ 40,553	\$ 15,006	\$ 66,396
Total	\$ 714,572	\$ 521,568	\$ 193,004	
Other Taxes	\$ 37,609	\$ 27,451	\$ 10,158	\$ 104,005
Total Expenses and Other Taxes	\$ 752,181	\$ 549,019	\$ 203,163	
Variable Overhead Calculation				
Variable Overhead	\$ 78,227	\$ 57,098	\$ 21,129	
Total Cost with Variable Overhead	830,408	606,116	224,291	

UNE Expense Assignment

Totals

NID

per line cost \$ -
per direct cost \$ 602
total \$ 602

Distribution (DLC)

per line cost \$ -
per direct cost \$ 69,584
total \$ 69,584

Distribution (non-DLC)

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

Concentrator (DLC)

per line cost \$ -
per direct cost \$ 15,740
total \$ 15,740

Concentrator (non-DLC)

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

Feeder (DLC)

per line cost \$ -
per direct cost \$ 48,396
total \$ 48,396

Feeder (non-DLC)

Exp Assignment

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

End Office Switching	\$	135,633
Signaling	\$	3,379
Dedicated Transport	\$	5,716
Dedicated Transport Transmission	\$	3,503
Direct Transport	\$	12,335
Direct Transport Transmission	\$	7,559
Common Transport	\$	30,276
Common Transport Transmission	\$	18,553
Tandem Switching	\$	543
Operator Systems	\$	6,507
Public Telephone	\$	289

COST SUMMARY

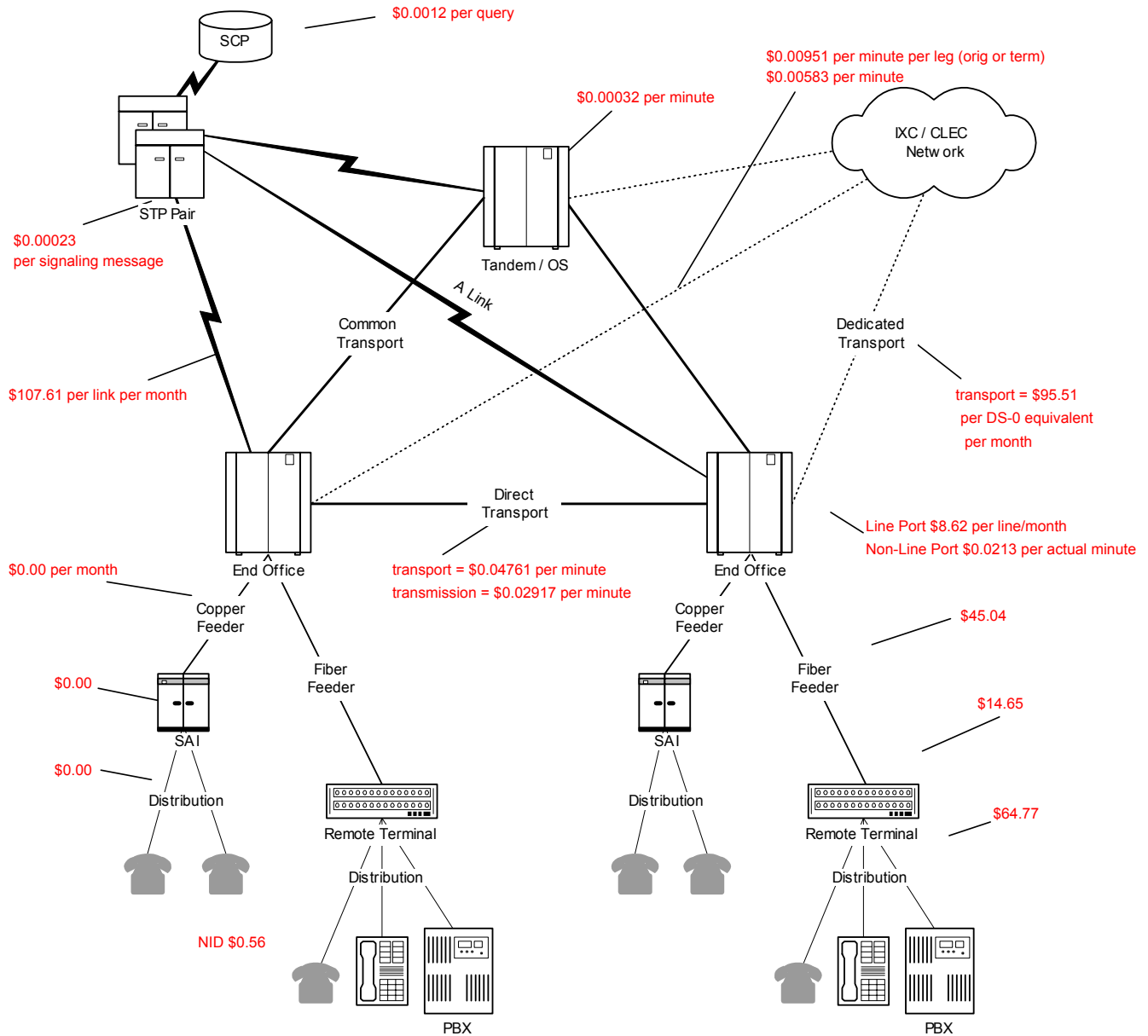
Missouri Peace Valley Telephone Co

Network Element	Investment *	% of total investment	1	2	1 + 2	3	1 + 2 + 3	Total
			Annual Capital Cost	Network Expenses	Direct Expense	Support Expense	Subtotal (with misc support)	(with carrier-to-carrier)
NID	\$ 10,936	0.3%	\$ 1,750	\$ 366	\$ 2,116	\$ 602	\$ 2,718	\$ 2,720
<i>Distribution (DLC)</i>	1,217,428	38.1%	196,415	47,994	244,409	69,584	313,994	314,259
<i>Distribution (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Distribution (all)	1,217,428	38.1%	196,415	47,994	244,409	69,584	313,994	314,259
<i>Concentrator (DLC)</i>	263,347	8.2%	51,229	4,055	55,284	15,740	71,024	71,081
<i>Concentrator (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Concentrator (all)	263,347	8.2%	51,229	4,055	55,284	15,740	71,024	71,081
<i>Feeder (DLC)</i>	866,866	27.2%	135,565	34,421	169,986	48,396	218,381	218,554
<i>Feeder (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Feeder (all)	866,866	27.2%	135,565	34,421	169,986	48,396	218,381	218,554
End Office Switching	496,043	15.5%	79,897	25,678	105,575	19,341	124,916	138,021
Signaling	13,009	0.4%	2,086	544	2,630	482	3,112	3,438
Dedicated Transport	22,766	0.7%	3,548	901	4,449	815	5,264	5,817
Dedicated Transport Transmission	12,943	0.4%	2,528	198	2,726	499	3,226	3,564
Direct Transport	49,129	1.5%	7,657	1,945	9,601	1,759	11,360	12,552
Direct Transport Transmission	27,931	0.9%	5,456	427	5,884	1,078	6,961	7,692
Common Transport	120,589	3.8%	18,794	4,773	23,567	4,317	27,884	30,809
Common Transport Transmission	68,559	2.1%	13,392	1,049	14,441	2,646	17,087	18,880
Tandem Switching	1,769	0.1%	275	147	423	77	500	552
Operator Systems	20,331	0.6%	3,198	1,867	5,065	831	5,896	6,514
Public Telephone	573	0.0%	117	108	225	37	262	290
Total Network Cost								
Total	\$ 3,192,220	100%	\$ 521,908	\$ 124,473	\$ 646,381	\$ 166,204	\$ 812,584	\$ 834,743

* Post sharing

Unbundled Network Elements

Missouri / Peace Valley Telephone Co



USOA Detail Breakdown of HAI Model Costs

**Peace Valley Telephone Co
Missouri**

USOA	INVESTMENT DESCRIPTION	Cost \$(000)
Telecommunications Plant in Service		
2111	LAND	5
2112	MOTOR VEHICLES	22
2113	AIRCRAFT	
2114	SPECIAL PURPOSE VEHICLES	
2115	GARAGE WORK EQUIPMENT	1
2116	OTHER WORK EQUIPMENT	17
2121	BUILDINGS	94
2122	FURNITURE	7
2123.1	OFFICE SUPPORT EQUIPMENT	18
2123.2	COMPANY COMMUNICATIONS EQUIPMENT	
2124	GENERAL PURPOSE COMPUTERS	28
2110	TOTAL LAND & SUPPORT ASSETS	192
2212	DIGITAL ELECTRONIC SWITCHING	458
2220	OPERATOR SYSTEMS	1
2232	CIRCUIT EQUIPMENT	372
2351	PUBLIC TEL TERMINAL EQUIPMENT	1
2411	POLES	65
2421.1	AERIAL CABLE - METALLIC	26
2421.2	AERIAL CABLE - NonMETALLIC	34
2422.1	UNDERGROUND CABLE - METALLIC	0
2422.2	UNDERGROUND CABLE - NonMETALLIC	0
2423.1	BURIED CABLE - METALLIC	1,166
2423.2	BURIED CABLE - NonMETALLIC	1,027
2426.1	INTRABUILDING NETWORK CABLE - MET.	
2426.2	INTRABUILDING NETWORK CABLE - NonMET.	
2441	CONDUIT SYSTEMS	0
2410	TOTAL CABLE & WIRE FACILITIES	2,318
	Total TPIS (before amortizable assets)*	3,340

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

USOA	EXPENSE DESCRIPTION	Cost \$(000)
Plant Specific Expenses		
6112	MOTOR VEHICLES	1
6113	AIRCRAFT	1
6114	SPECIAL PURPOSE VEHICLES	0
6115	GARAGE WORK EQUIPMENT	0
6116	OTHER WORK EQUIPMENT	0
6110	NETWORK SUPPORT	2
6121	LAND & BUILDINGS	12
6122	FURNITURE	1
6123	OFFICE EQUIPMENT	2
6124	GENERAL PURPOSE COMPUTERS	22
6120	LAND & SUPPORT ASSETS	36
6212	DIGITAL ELECTRONIC SWITCHING	22
6220	OPERATOR SYSTEMS	1
6232	CIRCUIT EQUIPMENT	6
6351	PUBLIC TEL TERMINAL EQUIPMENT	0
6411	POLES	3
6421	AERIAL CABLE	4
6422	UNDERGROUND CABLE	0
6423	BURIED CABLE	85
6426	INTRABUILDING NETWORK CABLE	
6441	CONDUIT SYSTEMS	0
6410	TOTAL CABLE & WIRE FACILITIES	91
	Total Plant Specific Expenses	159
Plant Nonspecific Operations		
	TOTAL NETWORK OPERATIONS SUPPORT	16
6561	DEPRECIATION TPIS	198
6623	CUSTOMER SERVICES	1
	Total Plant Nonspecific Operations	214
	TOTAL CORPORATE OPERATIONS	79
	TOTAL OPERATING EXPENSES	452
7240	OPERATING OTHER TAXES	38
	TOTAL EXPENSES & OPERATING TAXES	489

USOA Depreciation Calculations

	<u>Depl life</u>	<u>DepFact</u>	<u>Dep Exp</u>
2111			
2112	10.45	0.09589	2
2113			
2114			
2115	9.97	0.10031	0
2116	13.92	0.07189	1
2121	48.73	0.02052	2
2122	18.36	0.05449	0
2123.1	12.44	0.08052	1
2123.2	7.99	0.12517	-
2124	6.61	0.15223	4
2110			
2212	17.17	0.05827	27
2220	9.25	0.10829	0
2232	9.90	0.10108	38
2351	8.98	0.11145	0
2411	8.38	0.11972	8
2421.1	13.61	0.07355	2
2421.2	18.92	0.05286	2
2422.1	17.88	0.05596	-
2422.2	20.14	0.04966	-
2423.1	18.36	0.05450	64
2423.2	21.97	0.04551	47
2426.1	13.57	0.07377	-
2426.2	21.37	0.04681	-
2441	46.15	0.02167	-
<i>Total Depreciation</i>			<i>198</i>

Network Element Disaggregations

<u>Investment Disaggregations:</u>		<u>Expense Disaggregations:</u>	
<i>Terminal, Drop, and NID</i>		<i>Terminal, Drop, and NID</i>	
Aerial-m portion	84,837	Aerial portion	3,230
Buried-m portion	1,865	Buried portion	156
	82,972		3,075
<i>OS Trks + Signaling links</i>		<i>OS Trks + Signaling links</i>	
Circuit Eqpt. portion	28,656	Circuit Eqpt. portion	1,111
Pole portion	4,776	Pole portion	185
Aerial-nm portion	467	Aerial-nm portion	19
Underground-nm portion	653	Underground-nm portion	40
Buried-nm portion	-	Buried-nm portion	-
Conduit portion	22,761	Conduit portion	867
	-		-
<i>SAI</i>		<i>SAI</i>	
Aerial-m portion	6,050	Aerial portion	119
Aerial-nm portion	-	Underground portion	4
Underground-m portion	197	Buried portion	-
Underground-nm portion	-		115
Buried-m portion	-		
Buried-nm portion	5,853		

General Support

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
General Support Investment										
furniture	\$ 6,502	\$ 722	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,224
office equipment	16,619	1,846	-	-	-	-	-	-	-	18,464
general purpose computers	25,556	2,838	-	-	-	-	-	-	-	28,394
motor vehicles	19,554	2,172	-	-	-	-	-	-	-	21,726
buildings	49,390	5,485	-	-	-	-	-	-	-	54,875
garage work equipment	561	62	-	-	-	-	-	-	-	623
orther work equipment	15,238	1,692	-	-	-	-	-	-	-	16,930
										-
TOTAL	\$ 133,420	\$ 14,817	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	148,237
Levelized Cost of Capital										
furniture	\$ 1,037	\$ 115	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,152
office equipment	2,960	329	-	-	-	-	-	-	-	3,289
general purpose computers	6,185	687	-	-	-	-	-	-	-	6,872
motor vehicles	3,733	415	-	-	-	-	-	-	-	4,147
buildings	7,460	829	-	-	-	-	-	-	-	8,289
garage work equipment	109	12	-	-	-	-	-	-	-	121
orther work equipment	2,612	290	-	-	-	-	-	-	-	2,902
TOTAL	\$ 24,096	\$ 2,676	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	26,772

Distribution

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-6000	6000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
Fiber Feeder										
Distribution Investment										
buried cable	\$ 468,491	\$ 12,473	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	480,964
aerial cable	23,709	631	-	-	-	-	-	-	-	24,340
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	571,430	30,514	-	-	-	-	-	-	-	601,944
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	33,360	2,919	-	-	-	-	-	-	-	36,279
terminal	32,003	2,088	-	-	-	-	-	-	-	34,092
drop	37,496	2,314	-	-	-	-	-	-	-	39,810
TOTAL	\$ 1,166,489	\$ 50,939	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,217,428
	95.82%	4.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 74,714	\$ 1,989	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	76,703
aerial cable	4,094	109	-	-	-	-	-	-	-	4,203
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	91,130	4,866	-	-	-	-	-	-	-	95,996
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	7,070	619	-	-	-	-	-	-	-	7,689
terminal	5,121	334	-	-	-	-	-	-	-	5,455
drop	6,000	370	-	-	-	-	-	-	-	6,370
TOTAL	\$ 188,128	\$ 8,287	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	196,415
Network Expenses										
buried cable	18,214	485	-	-	-	-	-	-	-	18,699
aerial cable	1,491	40	-	-	-	-	-	-	-	1,531
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	22,216	1,186	-	-	-	-	-	-	-	23,403
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	1,377	120	-	-	-	-	-	-	-	1,497
terminal	1,240	81	-	-	-	-	-	-	-	1,321
drop	1,453	90	-	-	-	-	-	-	-	1,543
TOTAL	\$ 45,992	\$ 2,002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	47,994
Summary										
Cost of Capital	\$ 188,128	\$ 8,287	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	196,415
Network Expense	45,992	2,002	-	-	-	-	-	-	-	47,994
TOTAL	\$ 234,120	\$ 10,289	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	244,409
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	\$ 468,491	\$ 12,473	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	480,964
aerial cable	\$ 23,709	\$ 631	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	24,340
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 571,430	\$ 30,514	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	601,944
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 33,360	\$ 2,919	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36,279
terminal	\$ 32,003	\$ 2,088	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	34,092
drop	\$ 37,496	\$ 2,314	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	39,810
TOTAL	\$ 1,166,489	\$ 50,939	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,217,428
	95.82%	4.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 74,714	\$ 1,989	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	76,703
aerial cable	\$ 4,094	\$ 109	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,203
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 91,130	\$ 4,866	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	95,996
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 7,070	\$ 619	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,689
terminal	\$ 5,121	\$ 334	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,455
drop	\$ 6,000	\$ 370	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,370
TOTAL	\$ 188,128	\$ 8,287	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	196,415
Network Expenses										
buried cable	\$ 18,214	\$ 485	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	18,699
aerial cable	\$ 1,491	\$ 40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,531
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 22,216	\$ 1,186	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,403
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 1,377	\$ 120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,497
terminal	\$ 1,240	\$ 81	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,321
drop	\$ 1,453	\$ 90	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,543
TOTAL	\$ 45,992	\$ 2,002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	47,994
Summary										
Cost of Capital	\$ 188,128	\$ 8,287	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	196,415
Network Expense	\$ 45,992	\$ 2,002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	47,994
TOTAL	\$ 234,120	\$ 10,289	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	244,409
NID Cost										
NID Investment	\$ 10,295	\$ 641	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,936
Levelized Cost of Capital	\$ 1,647	\$ 103	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,750
Network Expenses	\$ 345	\$ 21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	366
TOTAL	\$ 1,992	\$ 124	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,116

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	\$ 216,497	\$ 40,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	257,297
SAI Investment	5,550	500	-	-	-	-	-	-	-	6,050
										\$ -
TOTAL	\$ 222,047	\$ 41,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	263,347
	84.32%	15.68%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
DLC	\$ 42,291	\$ 7,970	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	50,261
SAI	888	80	-	-	-	-	-	-	-	968
TOTAL	\$ 43,179	\$ 8,050	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	51,229
Network Expenses										
DLC	\$ 3,312	\$ 624	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,937
SAI	109	10	-	-	-	-	-	-	-	119
TOTAL	\$ 3,421	\$ 634	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,055
Summary										
Cost of Capital	\$ 43,179	\$ 8,050	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	51,229
Network Expense	3,421	634	-	-	-	-	-	-	-	4,055
TOTAL	\$ 46,600	\$ 8,684	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	55,284
	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	\$ 216,497	\$ 40,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	257,297
SAI Investment	5,550	500	-	-	-	-	-	-	-	6,050
TOTAL	\$ 222,047	\$ 41,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	263,347
	84.32%	15.68%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%

Concentrator

	0-5		5-100		100-200		200-650		650-850		850-2550		2550-5000		5000-10000		>10000		Totals
	lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		
Levelized Cost of Capital																			
DLC	\$	42,291	\$	7,970	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	50,261
SAI		888		80		-		-		-		-		-		-		-	968
TOTAL																			
\$	43,179	\$	8,050	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	51,229
Network Expenses																			
DLC	\$	3,312	\$	624	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	3,937
SAI		109		10		-		-		-		-		-		-		-	119
TOTAL																			
\$	3,421	\$	634	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	4,055
Summary																			
Cost of Capital	\$	43,179	\$	8,050	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	51,229
Network Expense		3,421		634		-		-		-		-		-		-		-	4,055
TOTAL																			
\$	46,600	\$	8,684	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	55,284

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	406,679	150,477	-	-	-	-	-	-	-	557,156
fiber buried cable	20,081	7,371	-	-	-	-	-	-	-	27,452
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	241,685	15,771	-	-	-	-	-	-	-	257,456
poles	23,282	1,519	-	-	-	-	-	-	-	24,802
TOTAL	\$ 691,727	\$ 175,130	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	866,866
	79.80%	20.20%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	62,882	23,267	-	-	-	-	-	-	-	86,149
fiber aerial cable	3,183	1,168	-	-	-	-	-	-	-	4,351
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	37,370	2,439	-	-	-	-	-	-	-	39,809
poles	4,934	322	-	-	-	-	-	-	-	5,256
TOTAL	\$ 108,369	\$ 27,196	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	135,565
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	15,811	5,850	-	-	-	-	-	-	-	21,661
fiber aerial cable	1,263	464	-	-	-	-	-	-	-	1,726
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	9,396	613	-	-	-	-	-	-	-	10,009
poles	961	63	-	-	-	-	-	-	-	1,024
TOTAL	\$ 27,431	\$ 6,990	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	34,421
Summary										
Cost of Capital	\$ 108,369	\$ 27,196	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	135,565
Network Expense	27,431	6,990	-	-	-	-	-	-	-	34,421
TOTAL	\$ 135,800	\$ 34,186	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	169,986

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

Feeder

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

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Total										
Feeder Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper u/g cable	-	-	-	-	-	-	-	-	-	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	406,679	150,477	-	-	-	-	-	-	-	557,156
fiber aerial cable	20,081	7,371	-	-	-	-	-	-	-	27,452
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	241,685	15,771	-	-	-	-	-	-	-	257,456
poles	23,282	1,519	-	-	-	-	-	-	-	24,802
TOTAL	\$ 691,727	\$ 175,139	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 866,866
	79.80%	20.20%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	62,882	23,267	-	-	-	-	-	-	-	86,149
fiber aerial cable	3,183	1,168	-	-	-	-	-	-	-	4,351
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	37,370	2,439	-	-	-	-	-	-	-	39,809
poles	4,934	322	-	-	-	-	-	-	-	5,256
TOTAL	\$ 108,369	\$ 27,196	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,565
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	15,811	5,850	-	-	-	-	-	-	-	21,661
fiber aerial cable	1,263	464	-	-	-	-	-	-	-	1,726
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	9,396	613	-	-	-	-	-	-	-	10,009
poles	961	63	-	-	-	-	-	-	-	1,024
TOTAL	\$ 27,431	\$ 6,990	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,421
Summary										
Cost of Capital	\$ 108,369	\$ 27,196	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,565
Network Expense	27,431	6,990	-	-	-	-	-	-	-	34,421
TOTAL	\$ 135,800	\$ 34,186	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 169,986

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	\$ 425,759	\$ 27,783	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	453,543
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	35,203	2,297	-	-	-	-	-	-	-	37,500
land	4,694	306	-	-	-	-	-	-	-	5,000
TOTAL	\$ 465,656	\$ 30,387	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	496,043
	93.87%	6.13%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
end office switching	\$ 68,895	\$ 4,496	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	73,391
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	5,317	347	-	-	-	-	-	-	-	5,664
land	790	52	-	-	-	-	-	-	-	841
TOTAL	\$ 75,002	\$ 4,894	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	79,897
Network Expenses										
end office switching	\$ 20,224	\$ 1,320	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	21,543
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	3,882	253	-	-	-	-	-	-	-	4,135
land	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 24,105	\$ 1,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	25,678
Summary										
Cost of Capital	\$ 75,002	\$ 4,894	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	79,897
Network Expense	24,105	1,573	-	-	-	-	-	-	-	25,678
TOTAL	\$ 99,108	\$ 6,467	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	105,575

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	\$ 943	\$ 62	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,005
SCP wire center	151	10	-	-	-	-	-	-	-	161
STP	2,076	135	-	-	-	-	-	-	-	2,211
signaling links	9,042	590	-	-	-	-	-	-	-	9,633
TOTAL	\$ 12,212	\$ 797	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,009
	93.87%	6.13%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
SCP	\$ 153	\$ 10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	163
SCP wire center	23	1	-	-	-	-	-	-	-	24
STP	336	22	-	-	-	-	-	-	-	358
signaling links	1,447	94	-	-	-	-	-	-	-	1,541
TOTAL	\$ 1,958	\$ 128	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,086
Network Expenses										
SCP	\$ 45	\$ 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	48
SCP wire center	17	1	-	-	-	-	-	-	-	18
STP	99	6	-	-	-	-	-	-	-	105
signaling links	350	23	-	-	-	-	-	-	-	373
TOTAL	\$ 511	\$ 33	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	544
Summary										
Cost of Capital	\$ 1,958	\$ 128	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,086
Network Expense	511	33	-	-	-	-	-	-	-	544
TOTAL	\$ 2,469	\$ 161	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,630

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	20,370	1,329	-	-	-	-	-	-	-	21,699
aerial cable	584	38	-	-	-	-	-	-	-	622
poles	418	27	-	-	-	-	-	-	-	445
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 21,372	\$ 1,395	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	22,766
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	3,150	206	-	-	-	-	-	-	-	3,355
aerial cable	93	6	-	-	-	-	-	-	-	99
poles	89	6	-	-	-	-	-	-	-	94
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 3,331	\$ 217	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,548
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	792	52	-	-	-	-	-	-	-	844
aerial cable	37	2	-	-	-	-	-	-	-	39
poles	17	1	-	-	-	-	-	-	-	18
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 846	\$ 55	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	901
Summary										
Cost of Capital	\$ 3,331	\$ 217	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,548
Network Expense	846	55	-	-	-	-	-	-	-	901
TOTAL	\$ 4,177	\$ 273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,449
Transmission Terminal										
investment	\$ 12,150	\$ 793	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,943
levelized cost of capital	2,373	155	-	-	-	-	-	-	-	2,528
network expenses	186	12	-	-	-	-	-	-	-	198
TOTAL	\$ 2,559	\$ 167	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,726

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	43,957	2,868	-	-	-	-	-	-	-	46,826
aerial cable	1,260	82	-	-	-	-	-	-	-	1,342
poles	902	59	-	-	-	-	-	-	-	961
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 46,119	\$ 3,010	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	49,129
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	6,797	444	-	-	-	-	-	-	-	7,240
aerial cable	200	13	-	-	-	-	-	-	-	213
poles	191	12	-	-	-	-	-	-	-	204
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 7,188	\$ 469	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,657
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	1,709	112	-	-	-	-	-	-	-	1,821
aerial cable	79	5	-	-	-	-	-	-	-	84
poles	37	2	-	-	-	-	-	-	-	40
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 1,825	\$ 119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,945
Summary										
Cost of Capital	\$ 7,188	\$ 469	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,657
Network Expense	1,825	119	-	-	-	-	-	-	-	1,945
TOTAL	\$ 9,013	\$ 588	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,601
Transmission Terminal										
investment	\$ 26,220	\$ 1,711	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	27,931
levelized cost of capital	5,122	334	-	-	-	-	-	-	-	5,456
network expenses	401	26	-	-	-	-	-	-	-	427
TOTAL	\$ 5,523	\$ 360	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,884

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	107,895	7,041	-	-	-	-	-	-	-	114,935
aerial cable	3,093	202	-	-	-	-	-	-	-	3,295
poles	2,214	144	-	-	-	-	-	-	-	2,358
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 113,202	\$ 7,387	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	120,589
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	16,683	1,089	-	-	-	-	-	-	-	17,772
aerial cable	490	32	-	-	-	-	-	-	-	522
poles	469	31	-	-	-	-	-	-	-	500
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 17,642	\$ 1,151	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	18,794
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	4,195	274	-	-	-	-	-	-	-	4,469
aerial cable	195	13	-	-	-	-	-	-	-	207
poles	91	6	-	-	-	-	-	-	-	97
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 4,481	\$ 292	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,773
Summary										
Cost of Capital	\$ 17,642	\$ 1,151	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	18,794
Network Expense	4,481	292	-	-	-	-	-	-	-	4,773
TOTAL	\$ 22,123	\$ 1,444	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,567
Transmission Terminal										
investment	\$ 64,359	\$ 4,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	68,559
levelized cost of capital	12,572	820	-	-	-	-	-	-	-	13,392
network expenses	985	64	-	-	-	-	-	-	-	1,049
TOTAL	\$ 13,557	\$ 885	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,441

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	\$ 717	\$ 47	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	764
wire center	943	62	-	-	-	-	-	-	-	1,005
TOTAL	\$ 1,660	\$ 108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,769
Levelized Cost of Capital										
tandem switching	\$ 116	\$ 8	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	124
wire center	143	9	-	-	-	-	-	-	-	152
TOTAL	\$ 259	\$ 17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	275
Network Expenses										
tandem switching	\$ 34	\$ 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36
wire center	104	7	-	-	-	-	-	-	-	111
TOTAL	\$ 138	\$ 9	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	147
Summary										
Cost of Capital	\$ 259	\$ 17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	275
Network Expense	138	9	-	-	-	-	-	-	-	147
TOTAL	\$ 397	\$ 26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	423

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	\$ 302	\$ 20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	322
OS Tandem Wire Center	377	25	-	-	-	-	-	-	-	402
OS Trunks	17,858	1,165	-	-	-	-	-	-	-	19,024
OS Position	548	36	-	-	-	-	-	-	-	583
TOTAL	\$ 19,085	\$ 1,245	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	20,331
Levelized Cost of Capital										
OS Tandem Switching	\$ 49	\$ 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	52
OS Tandem Wire Center	57	4	-	-	-	-	-	-	-	61
OS Trunks	2763.948826	180.3648593	0	0	0	0	0	0	0	2,944
OS Position	133	9	-	-	-	-	-	-	-	141
TOTAL	\$ 3,002	\$ 196	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,198
Network Expenses										
OS Tandem Switching	\$ 14	\$ 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	15
OS Tandem Wire Center	42	3	-	-	-	-	-	-	-	44
OS Trunks	692	45	-	-	-	-	-	-	-	737
OS Position	37	2	-	-	-	-	-	-	-	39
Operator Wages	967	63	-	-	-	-	-	-	-	1,030
TOTAL	\$ 1,752	\$ 114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,867
Summary										
Cost of Capital	\$ 3,002	\$ 196	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,198
Network Expense	1,752	114	-	-	-	-	-	-	-	1,867
TOTAL	\$ 4,755	\$ 310	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,065

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	\$ 538	\$ 35	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	573
	93.87%	6.13%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital	\$ 110	\$ 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	117
Network Expenses	\$ 101	\$ 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	108
Summary										
Cost of Capital	\$ 110	\$ 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	117
Network Expense	101	7	-	-	-	-	-	-	-	108
TOTAL	\$ 211	\$ 14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	225

DeprecLife	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	
CCF-Fact	0.15007	0.15004	0.15003	0.15005	0.15008	0.15013	0.15019	0.15026	0.15034	0.15044	0.15053	0.15064	0.15074	0.15085	0.15097	0.15108	0.15120	0.15132	0.15144	0.15156	0.15168	0.15179	0.15191	0.15203	0.15214	0.15226	0.15237	0.15248	0.15259	0.15270	0.15280	0.15290	0.15301	
DeprecFact	0.02041	0.02057	0.02073	0.02073	0.02032	0.02564	0.02500	0.02439	0.02381	0.02236	0.02273	0.02222	0.02174	0.02128	0.02083	0.02041	0.02000	0.01961	0.01923	0.01887	0.01852	0.01818	0.01786	0.01754	0.01724	0.01695	0.01667	0.01639	0.01613	0.01587	0.01563	0.01538	0.01515	
ROF-Fact	0.08481	0.08538	0.08593	0.08647	0.08699	0.08750	0.08799	0.08847	0.08894	0.08939	0.08983	0.09026	0.09068	0.09108	0.09147	0.09185	0.09222	0.09258	0.09293	0.09327	0.09360	0.09391	0.09423	0.09453	0.09482	0.09511	0.09538	0.09565	0.09592	0.09617	0.09642	0.09666	0.09690	
Fax-GU-Fact	0.15086	0.15803	0.15802	0.15804	0.15807	0.15812	0.15819	0.15826	0.15835	0.15845	0.15855	0.15866	0.15877	0.15889	0.15901	0.15913	0.15925	0.15938	0.15950	0.15963	0.15975	0.15988	0.16000	0.16012	0.16025	0.16037	0.16048	0.16060	0.16071	0.16083	0.16094	0.16105	0.16115	
COE	0.14208	0.14205	0.14204	0.14206	0.14209	0.14213	0.14219	0.14226	0.14234	0.14242	0.14252	0.14261	0.14272	0.14282	0.14293	0.14304	0.14315	0.14326	0.14337	0.14349	0.14360	0.14371	0.14382	0.14393	0.14404	0.14415	0.14426	0.14436	0.14446	0.14456	0.14466	0.14476	0.14486	
NPV-EoP	1.29477	1.29808	1.30124	1.30426	1.30715	1.30991	1.31255	1.31508	1.31751	1.31984	1.32207	1.32421	1.32627	1.32825	1.33016	1.33199	1.33376	1.33546	1.33710	1.33868	1.34021	1.34168	1.34311	1.34448	1.34581	1.34710	1.34835	1.34955	1.35072	1.35185	1.35295	1.35402	1.35505	
NPV-BoP	1.44043	1.44411	1.44763	1.45099	1.45420	1.45727	1.46021	1.46303	1.46573	1.46831	1.47080	1.47318	1.47548	1.47768	1.47980	1.48184	1.48380	1.48569	1.48752	1.48928	1.49098	1.49262	1.49420	1.49573	1.49721	1.49864	1.50003	1.50137	1.50267	1.50393	1.50515	1.50634	1.50749	
Pmc-EoP	0.15806	0.15803	0.15802	0.15804	0.15807	0.15812	0.15819	0.15826	0.15835	0.15845	0.15855	0.15866	0.15877	0.15889	0.15901	0.15913	0.15925	0.15938	0.15950	0.15963	0.15975	0.15988	0.16000	0.16012	0.16025	0.16037	0.16048	0.16060	0.16071	0.16083	0.16094	0.16105	0.16115	
Pmc-BoP	0.14208	0.14205	0.14204	0.14206	0.14209	0.14213	0.14219	0.14226	0.14234	0.14242	0.14252	0.14261	0.14272	0.14282	0.14293	0.14304	0.14315	0.14326	0.14337	0.14349	0.14360	0.14371	0.14382	0.14393	0.14404	0.14415	0.14426	0.14436	0.14446	0.14456	0.14466	0.14476	0.14486	
Year	1	0.18711	0.18633	0.18560	0.18491	0.18426	0.18364	0.18305	0.18249	0.18195	0.18144	0.18096	0.18049	0.18005	0.17962	0.17921	0.17882	0.17845	0.17809	0.17774	0.17741	0.17709	0.17678	0.17648	0.17619	0.17591	0.17564	0.17538	0.17513	0.17489	0.17465	0.17442	0.17420	0.17399
2	0.18240	0.18176	0.18116	0.18059	0.18005	0.17953	0.17905	0.17858	0.17814	0.17772	0.17732	0.17694	0.17657	0.17622	0.17588	0.17556	0.17525	0.17495	0.17466	0.17439	0.17412	0.17387	0.17362	0.17338	0.17315	0.17293	0.17271	0.17251	0.17231	0.17211	0.17192	0.17174	0.17156	
3	0.17769	0.17719	0.17671	0.17626	0.17583	0.17543	0.17505	0.17468	0.17433	0.17400	0.17368	0.17338	0.17309	0.17281	0.17255	0.17229	0.17205	0.17181	0.17158	0.17137	0.17116	0.17096	0.17076	0.17057	0.17039	0.17022	0.17005	0.16988	0.16972	0.16957	0.16942	0.16928	0.16914	
4	0.17298	0.17262	0.17227	0.17194	0.17162	0.17133	0.17104	0.17078	0.17052	0.17028	0.17004	0.16982	0.16961	0.16941	0.16921	0.16902	0.16885	0.16867	0.16851	0.16839	0.16829	0.16819	0.16809	0.16799	0.16789	0.16779	0.16769	0.16759	0.16749	0.16739	0.16729	0.16719	0.16709	
5	0.16828	0.16804	0.16782	0.16761	0.16741	0.16722	0.16704	0.16687	0.16671	0.16656	0.16641	0.16627	0.16613	0.16600	0.16588	0.16576	0.16564	0.16553	0.16543	0.16533	0.16523	0.16514	0.16504	0.16496	0.16487	0.16479	0.16471	0.16464	0.16456	0.16449	0.16442	0.16435	0.16429	
6	0.16357	0.16347	0.16337	0.16328	0.16320	0.16312	0.16304	0.16297	0.16290	0.16283	0.16277	0.16271	0.16265	0.16260	0.16254	0.16249	0.16244	0.16240	0.16235	0.16231	0.16227	0.16223	0.16219	0.16215	0.16211	0.16208	0.16204	0.16201	0.16198	0.16195	0.16192	0.16189	0.16186	
7	0.15886	0.15890	0.15893	0.15896	0.15899	0.15901	0.15904	0.15907	0.15911	0.15913	0.15915	0.15917	0.15919	0.15921	0.15923	0.15924	0.15926	0.15927	0.15929	0.15930	0.15932	0.15933	0.15934	0.15935	0.15937	0.15938	0.15939	0.15940	0.15941	0.15942	0.15943	0.15944	0.15945	
8	0.15416	0.15432	0.15448	0.15463	0.15478	0.15491	0.15504	0.15516	0.15528	0.15539	0.15549	0.15560	0.15570	0.15581	0.15592	0.15602	0.15612	0.15622	0.15632	0.15641	0.15651	0.15661	0.15671	0.15681	0.15691	0.15701	0.15711	0.15721	0.15731	0.15741	0.15751	0.15761	0.15771	
9	0.14945	0.14975	0.15004	0.15031	0.15056	0.15081	0.15104	0.15126	0.15147	0.15167	0.15186	0.15204	0.15221	0.15238	0.15254	0.15269	0.15284	0.15298	0.15312	0.15325	0.15337	0.15350	0.15361	0.15373	0.15383	0.15394	0.15404	0.15414	0.15424	0.15434	0.15444	0.15454	0.15464	
10	0.14474	0.14518	0.14559	0.14598	0.14635	0.14670	0.14704	0.14735	0.14766	0.14794	0.14822	0.14848	0.14873	0.14897	0.14921	0.14943	0.14964	0.14984	0.15004	0.15023	0.15041	0.15059	0.15075	0.15092	0.15108	0.15123	0.15137	0.15152	0.15165	0.15179	0.15192	0.15204	0.15216	
11	0.14003	0.14061	0.14115	0.14166	0.14214	0.14260	0.14304	0.14345	0.14385	0.14424	0.14458	0.14493	0.14525	0.14557	0.14587	0.14616	0.14644	0.14671	0.14696	0.14721	0.14745	0.14768	0.14790	0.14811	0.14832	0.14851	0.14871	0.14889	0.14897	0.14925	0.14942	0.14958	0.14974	
12	0.13533	0.13603	0.13670	0.13733	0.13793	0.13850	0.13903	0.13955	0.14004	0.14050	0.14094	0.14137	0.14178	0.14216	0.14254	0.14289	0.14324	0.14357	0.14388	0.14419	0.14448	0.14477	0.14504	0.14530	0.14556	0.14580	0.14604	0.14627	0.14649	0.14671	0.14691	0.14712	0.14731	
13	0.13062	0.13146	0.13225	0.13301	0.13372	0.13439	0.13503	0.13564	0.13622	0.13678	0.13731	0.13781	0.13830	0.13876	0.13920	0.13963	0.14004	0.14043	0.14081	0.14117	0.14152	0.14186	0.14218	0.14249	0.14280	0.14309	0.14337	0.14365	0.14391	0.14417	0.14441	0.14465	0.14489	
14	0.12591	0.12689	0.12781	0.12868	0.12951	0.13029	0.13104	0.13174	0.13241	0.13306	0.13367	0.13426	0.13482	0.13535	0.13587	0.13636	0.13684	0.13729	0.13773	0.13815	0.13855	0.13895	0.13932	0.13969	0.14004	0.14038	0.14070	0.14102	0.14133	0.14163	0.14191	0.14219	0.14246	
15	0.12120	0.12231	0.12336	0.12435	0.12529	0.12618	0.12703	0.12784	0.12860	0.12933	0.13003	0.13070	0.13134	0.13195	0.13253	0.13310	0.13363	0.13415	0.13465	0.13513	0.13559	0.13604	0.13646	0.13688	0.13728	0.13766	0.13804	0.13840	0.13875	0.13909	0.13941	0.13973	0.14004	
16	0.11650	0.11774	0.11892	0.12003	0.12108	0.12208	0.12303	0.12393	0.12479	0.12561	0.12640	0.12714	0.12786	0.12854	0.12920	0.12983	0.13043	0.13101	0.13157	0.13211	0.13263	0.13313	0.13361	0.13407	0.13452	0.13495	0.13537	0.13577	0.13617	0.13654	0.13691	0.13727	0.13761	
17	0.11179	0.11317	0.11457	0.11570	0.11687	0.11798	0.11903	0.12003	0.12098	0.12189	0.12276	0.12359	0.12438	0.12514	0.12587	0.12656	0.12723	0.12788	0.12849	0.12909	0.12966	0.13022	0.13075	0.13126	0.13176	0.13224	0.13270	0.13315	0.13358	0.13400	0.13441	0.13481	0.13519	
18	0.10708	0.10860	0.11002	0.11138	0.11266	0.11387	0.11503	0.11613	0.11717	0.11817	0.11912	0.12003	0.12090	0.12173	0.12253	0.12330	0.12403	0.12474	0.12542	0.12607	0.12670	0.12731	0.12789	0.12845	0.12900	0.12953	0.13003	0.13053	0.13100	0.13146	0.13191	0.13234	0.13276	
19	0.10238	0.10402	0.10558	0.10705	0.10845	0.10977	0.11103	0.11222	0.11336	0.11445	0.11548	0.11647	0.11742	0.11833	0.11920	0.12003	0.12083	0.12160	0.12234	0.12305	0.12374	0.12440	0.12505	0.12566	0.12624	0.12681	0.12737	0.12790	0.12842	0.12892	0.12941	0.12988	0.13034	
20	0.09767	0.09945	0.10113	0.10273	0.10423	0.10567	0.10702	0.10832	0.10955	0.11072	0.11185	0.11292	0.11394	0.11492	0.11586	0.11676	0.11763	0.11846	0.11926	0.12003	0.12077	0.12149	0.12217	0.12284	0.12348	0.12410	0.12470	0.12528	0.12584	0.12638	0.12691	0.12742	0.12791	
21	0.09296	0.09488	0.09669	0.09840	0.09992	0.10136	0.10274	0.10406	0.10534	0.10657	0.10776	0.10891	0.11006	0.11115	0.11223	0.11325	0.11423	0.11518	0.11611	0.11701	0.11788	0.11874	0.11952	0.12033										

Depreciated life	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
CCCFact	0.15311	0.15320	0.15330	0.15339	0.15349	0.15358	0.15366	0.15375	0.15384	0.15392	0.15400	0.15408	0.15416	0.15423	0.15431
DeprecFact	0.01493	0.01471	0.01449	0.01429	0.01408	0.01389	0.01370	0.01351	0.01333	0.01316	0.01299	0.01282	0.01266	0.01250	0.01235
RORFact	0.09713	0.09735	0.09757	0.09778	0.09798	0.09818	0.09838	0.09857	0.09876	0.09894	0.09912	0.09929	0.09946	0.09962	0.09978
TaxGUFact	0.04106	0.04115	0.04124	0.04133	0.04142	0.04150	0.04159	0.04167	0.04174	0.04182	0.04190	0.04197	0.04204	0.04211	0.04218
COE															
COD															
NPV-EoP	1.35606	1.35703	1.35798	1.35890	1.35979	1.36066	1.36151	1.36234	1.36314	1.36392	1.36468	1.36542	1.36615	1.36685	1.36754
NPV-BuP	1.50861	1.50969	1.51075	1.51177	1.51277	1.51373	1.51468	1.51559	1.51649	1.51736	1.51820	1.51903	1.51983	1.52062	1.52138
Pmc-EoP	0.16126	0.16136	0.16146	0.16156	0.16166	0.16175	0.16185	0.16194	0.16203	0.16212	0.16220	0.16228	0.16237	0.16245	0.16253
Pmc-BuP	0.14495	0.14505	0.14514	0.14523	0.14531	0.14540	0.14548	0.14556	0.14564	0.14572	0.14580	0.14587	0.14595	0.14602	0.14609
Year															
1	0.17378	0.17358	0.17338	0.17319	0.17301	0.17283	0.17265	0.17248	0.17231	0.17215	0.17200	0.17184	0.17169	0.17155	0.17141
2	0.17139	0.17122	0.17106	0.17090	0.17075	0.17060	0.17046	0.17032	0.17018	0.17005	0.16992	0.16979	0.16967	0.16955	0.16943
3	0.16900	0.16887	0.16874	0.16862	0.16850	0.16838	0.16827	0.16816	0.16805	0.16794	0.16784	0.16774	0.16764	0.16755	0.16745
4	0.16661	0.16652	0.16642	0.16633	0.16624	0.16616	0.16607	0.16599	0.16591	0.16584	0.16576	0.16569	0.16562	0.16555	0.16548
5	0.16422	0.16416	0.16410	0.16405	0.16399	0.16393	0.16388	0.16383	0.16378	0.16373	0.16368	0.16364	0.16359	0.16355	0.16350
6	0.16184	0.16181	0.16178	0.16176	0.16173	0.16171	0.16169	0.16167	0.16165	0.16162	0.16160	0.16158	0.16156	0.16155	0.16153
7	0.15945	0.15946	0.15946	0.15947	0.15948	0.15949	0.15949	0.15950	0.15951	0.15952	0.15953	0.15954	0.15954	0.15955	0.15955
8	0.15706	0.15710	0.15714	0.15719	0.15723	0.15727	0.15730	0.15734	0.15738	0.15741	0.15745	0.15748	0.15751	0.15754	0.15757
9	0.15467	0.15475	0.15483	0.15490	0.15497	0.15504	0.15511	0.15518	0.15524	0.15531	0.15537	0.15543	0.15549	0.15554	0.15560
10	0.15228	0.15239	0.15251	0.15261	0.15272	0.15282	0.15292	0.15302	0.15311	0.15320	0.15329	0.15338	0.15346	0.15354	0.15362
11	0.14989	0.15004	0.15019	0.15033	0.15046	0.15060	0.15073	0.15085	0.15098	0.15109	0.15121	0.15132	0.15143	0.15154	0.15165
12	0.14750	0.14769	0.14787	0.14804	0.14821	0.14837	0.14853	0.14869	0.14884	0.14899	0.14913	0.14927	0.14941	0.14954	0.14967
13	0.14511	0.14533	0.14555	0.14575	0.14596	0.14615	0.14634	0.14653	0.14671	0.14688	0.14705	0.14722	0.14738	0.14754	0.14770
14	0.14273	0.14298	0.14323	0.14347	0.14370	0.14393	0.14415	0.14436	0.14457	0.14478	0.14498	0.14517	0.14536	0.14554	0.14572
15	0.14034	0.14063	0.14091	0.14118	0.14145	0.14171	0.14196	0.14220	0.14244	0.14267	0.14290	0.14312	0.14333	0.14354	0.14374
16	0.13795	0.13827	0.13859	0.13889	0.13919	0.13948	0.13976	0.14004	0.14031	0.14056	0.14082	0.14106	0.14130	0.14154	0.14177
17	0.13556	0.13592	0.13627	0.13661	0.13694	0.13726	0.13757	0.13788	0.13817	0.13846	0.13874	0.13901	0.13928	0.13954	0.13979
18	0.13317	0.13357	0.13395	0.13432	0.13468	0.13504	0.13538	0.13571	0.13604	0.13635	0.13666	0.13696	0.13725	0.13754	0.13782
19	0.13078	0.13121	0.13163	0.13204	0.13243	0.13281	0.13319	0.13355	0.13390	0.13425	0.13458	0.13491	0.13523	0.13554	0.13584
20	0.12839	0.12886	0.12931	0.12975	0.13018	0.13059	0.13099	0.13139	0.13177	0.13214	0.13250	0.13286	0.13320	0.13354	0.13386
21	0.12600	0.12660	0.12709	0.12746	0.12792	0.12837	0.12880	0.12922	0.12963	0.13004	0.13043	0.13081	0.13118	0.13154	0.13189
22	0.12362	0.12415	0.12467	0.12518	0.12567	0.12615	0.12661	0.12706	0.12750	0.12793	0.12835	0.12875	0.12915	0.12954	0.12991
23	0.12123	0.12180	0.12235	0.12289	0.12341	0.12392	0.12442	0.12490	0.12537	0.12582	0.12627	0.12670	0.12712	0.12753	0.12794
24	0.11884	0.11944	0.12003	0.12060	0.12116	0.12170	0.12222	0.12274	0.12323	0.12372	0.12419	0.12465	0.12510	0.12553	0.12596
25	0.11645	0.11709	0.11771	0.11832	0.11891	0.11948	0.12003	0.12057	0.12110	0.12161	0.12211	0.12260	0.12307	0.12353	0.12398
26	0.11406	0.11474	0.11539	0.11603	0.11665	0.11725	0.11784	0.11841	0.11897	0.11953	0.12008	0.12061	0.12113	0.12163	0.12201
27	0.11167	0.11238	0.11307	0.11374	0.11440	0.11503	0.11565	0.11625	0.11683	0.11740	0.11795	0.11849	0.11902	0.11953	0.12003
28	0.10928	0.11003	0.11075	0.11146	0.11214	0.11281	0.11345	0.11408	0.11470	0.11529	0.11588	0.11644	0.11699	0.11753	0.11806
29	0.10689	0.10768	0.10843	0.10917	0.10989	0.11058	0.11126	0.11192	0.11256	0.11319	0.11380	0.11439	0.11497	0.11553	0.11608
30	0.10450	0.10532	0.10611	0.10689	0.10763	0.10836	0.10907	0.10976	0.11043	0.11108	0.11172	0.11234	0.11294	0.11353	0.11410
31	0.10212	0.10297	0.10380	0.10460	0.10538	0.10614	0.10688	0.10760	0.10830	0.10898	0.10964	0.11029	0.11092	0.11153	0.11213
32	0.09973	0.10061	0.10148	0.10231	0.10313	0.10392	0.10469	0.10543	0.10616	0.10687	0.10756	0.10823	0.10889	0.10953	0.11015
33	0.09734	0.09826	0.09916	0.10003	0.10087	0.10169	0.10249	0.10327	0.10403	0.10476	0.10548	0.10618	0.10686	0.10753	0.10818
34	0.09495	0.09591	0.09684	0.09774	0.09862	0.09947	0.10030	0.10111	0.10189	0.10266	0.10340	0.10413	0.10484	0.10553	0.10620
35	0.09256	0.09355	0.09452	0.09545	0.09636	0.09725	0.09811	0.09894	0.09973	0.10055	0.10133	0.10208	0.10281	0.10353	0.10423
36	0.09017	0.09120	0.09220	0.09317	0.09411	0.09502	0.09592	0.09678	0.09763	0.09845	0.09925	0.10003	0.10079	0.10153	0.10225
37	0.08778	0.08885	0.08988	0.09088	0.09185	0.09280	0.09372	0.09462	0.09549	0.09634	0.09717	0.09797	0.09876	0.09953	0.10027
38	0.08539	0.08649	0.08756	0.08859	0.08960	0.09058	0.09153	0.09246	0.09336	0.09424	0.09509	0.09592	0.09673	0.09753	0.09830
39	0.08301	0.08414	0.08524	0.08631	0.08735	0.08836	0.08934	0.09029	0.09122	0.09213	0.09301	0.09387	0.09471	0.09552	0.09632
40	0.08062	0.08179	0.08292	0.08402	0.08509	0.08613	0.08715	0.08813	0.08909	0.09002	0.09093	0.09182	0.09269	0.09352	0.09435
41	0.07823	0.07943	0.08060	0.08173	0.08284	0.08391	0.08495	0.08597	0.08696	0.08792	0.08885	0.08977	0.09066	0.09152	0.09237
42	0.07584	0.07708	0.07828	0.07945	0.08058	0.08169	0.08276	0.08381	0.08482	0.08581	0.08678	0.08772	0.08863	0.08952	0.09039
43	0.07345	0.07472	0.07596	0.07716	0.07833	0.07946	0.08057	0.08164	0.08269	0.08371	0.08470	0.08566	0.08660	0.08752	0.08842
44	0.07106	0.07237	0.07364	0.07488	0.07608	0.07724	0.07838	0.07948	0.08055	0.08160	0.08262	0.08361	0.08458	0.08552	0.08644
45	0.06867	0.07002	0.07132	0.07259	0.07382	0.07502	0.07618	0.07732	0.07842	0.07949	0.08054	0.08156	0.08255	0.08352	0.08447
46	0.06628	0.06766	0.06900	0.07030	0.07157	0.07280	0.07399	0.07515	0.07629	0.07739	0.07846	0.07951	0.08053	0.08152	0.08249
47	0.06390	0.06531	0.06668	0.06802	0.06931	0.07057	0.07180	0.07299	0.07415	0.07528	0.07638	0.07746	0.07850	0.07952	0.08051
48	0.06151	0.06296	0.06436	0.06573	0.06706	0.06835	0.06961	0.07085	0.07202	0.07318	0.07430	0.07540	0.07648	0.07752	0.07854
49	0.05912	0.06060	0.06204	0.06344	0.06480	0.06613	0.06741	0.06867	0.06988	0.07107	0.07223	0.07335	0.07445	0.07552	0.07656
50	0.05673	0.05825	0.05972	0.06116	0.06255	0.06390	0.06522	0.06650	0.06775	0.06896	0.07015	0.07130	0.07242	0.07352	0.07459
51	0.05434	0.05589	0.05740	0.05887	0.06030	0.06168	0.06303	0.06434	0.06562	0.06686	0.06807	0.06925	0.07040	0.07152	0.07261
52	0.05195	0.05354	0.05508	0.05658	0.05804	0.05946	0.06084	0.06218	0.06348	0.06475	0.06599	0.06720	0.06837	0.06952	0.07063
53	0.04956	0.05119	0.05277	0.05430	0.05579	0.05724	0.05864	0.06001	0.06135	0.06265	0.06391	0.06514	0.06635	0.06752	0.06866
54	0.04717	0.04883	0.05045	0.05201	0.05353	0.05501	0.05645	0.05785	0.05921	0.06054	0.06183	0.06309	0.06432	0.06552	0.06668
55	0.04479	0.04648	0.04813	0.04973	0.05128	0.05279	0.05426	0.05569							

EXPENSE MODULE INPUTS

	User Inputs	Calculations
State	Missouri	
Company	Peace Valley Telephone Co	
Cost of Capital Inputs		
Cost of Debt	8.80%	
Debt fraction	44.20%	
Cost of Equity	13.19%	
Equity fraction		55.80%
Weighted equity fraction		65.42%
Overall Cost of Capital		11.25%
Traffic Inputs		
local DEMs, thousands	4,620	
intrastate DEMs, thousands	986	
interstate DEMs, thousands	974	6,580 total DEMs, thousands
Local call completion fraction	70.00%	
Total local calls attempted	1,046	732 Total local calls completed
Total intraLATA calls completed	62	
Total interLATA calls completed - intrastate	63	
Total interLATA calls completed - interstate	134	
local DEM fraction	68.21%	
local interoffice traffic fraction	12.04%	
D link investment, per link	\$ -	
Bus/Res DEMs ratio (local, state, interstate)	110%	200% 300%
entrance facility investment per line	-	
local direct-routed fraction	98.00%	
tandem-routed intraLATA fraction	100.00%	
tandem-routed access fraction	100.00%	
maximum trunk usage, CCS	27.5	
ISUP msgs per i/o call attempt	6	
avg ISUP msg length, octets	25	
TCAP msgs per transaction	2	
TCAP msg length, octets	100	
fraction of calls requiring TCAP	10.00%	
trunk port investment, per port	\$ 100	
Switch line circuit offset per DLC line	\$ -	
Total signaling links	2	
Average trunk utilization	30.00%	
Cost Parameters		
tax rate	39.25%	
corporate overhead factor	10.40%	
other taxes factor	5.00%	
billing/bill inquiry per line per month	\$ 2.30	
directory listing per line per month	\$ -	
forward-looking network operations factor	100.00%	
alternative CO switching factor	4.75%	
alternative circuit equipment factor	1.53%	
EO non-port fraction	70.00%	
per-line monthly LNP cost	\$ 0.25	
Carrier-carrier customer service, per line per year	\$ 1.69	
NID expense per line per year	\$ 1.00	
DS-0/DS-1 terminal factor	12.4	
DS-1/DS-3 terminal factor	9.9	
Average lines per business location	4.00	

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Account	USOA Category	Economic Lives	Net Salvage Percent	Adjusted Projection Lives (years)	Investment
2112	Motor Vehicles	9.28	0.1121	10.45	
2115	Garage Work Equipment	11.04	-0.1071	9.97	
2116	Other Work Equipment	13.47	0.0321	13.92	
2121	Buildings	47.82	0.0187	48.73	
2122	Furniture	17.1	0.0688	18.36	
2123.1	Office Support Equipmen	11.58	0.0691	12.44	
2123.2	Company Comm Equipm	7.69	0.0376	7.99	
2124	Computers	6.36	0.0373	6.61	
2212	Digital Switching	16.66	0.0297	17.17	
2220	Operator Systems	9.33	-0.0082	9.25	
2232.2	Digital Circuit Equipment	10.07	-0.0169	9.90	
2351	Public Telephone	8.26	0.0797	8.98	
	NID, SAI			18.06	Calculated
2411	Poles	15.92	-0.8998	8.38	
2421-m	Aerial Cable - Metallic	16.75	-0.2303	13.61	\$ 24,340
2421-nm	Aerial Cable - Non-Metall	22.24	-0.1753	18.92	\$ 30,747
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	\$ 480,964
2423-nm	Buried - Non-Metallic	23.86	-0.0858	21.97	\$ 740,616
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	\$ 505,304
Average Non-Metallic Cable (calculated)				21.83	\$ 771,363

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	986,000	
Interstate Toll DEMs	974,000	
trunk port usage	11,333,096	
trk-min/mo	10,044	
interLATA ded. trunks	16	
Common Transport MOU		
Local	10,808	w/o OS usage
Intrastate Toll	986,000	
Interstate Toll	974,000	
	1,970,808	
Intrastate IntraLATA Calls	62	49.60% SOCCC message counts
Intrastate InterLATA Calls	63	50.40%
	125	

Calculation of EO Usage

Local DEMs, incl OS	4,620,000	70.2% of total DEMs
Intraoffice Local DEMs	4,063,755	
Intraoffice Local Actual Min	2,031,878	
Interoffice Local Actual Min	556,245	per end
Intrastate Toll Actual Min	986,000	
Interstate Toll Actual Min	974,000	
	4,548,122	
Tandem Switch MOU		
Local	5,404	
IntraLATA Toll	244,528	
InterLATA Toll	1,470,944	
	1,720,876	
		Dedicated Transport MOU
		Local, w/o OS
		IntraLATA Toll
		InterLATA Toll
		1,960,000
		2,224,796
		Dedicated Trunk-SW
		18

TRANSFORMED REGULATED		1995 COMPANY NAME:	ICO	
		OTHER TAXES & UNCOLLECTIBLES CALCULATION	EXPENSES	NET REVENUES
		7230 OPERATING STATE & LOCAL INCOME TAX-NET	3	
		7240 OPERATING OTHER TAXES	11	
		5300 UNCOLLECTIBLE REVENUES		4
		530 NET REVENUES		259
		GROSS REVENUES (5300 + 530)		263
		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		4
		2121 BUILDINGS		51
6121	2121	TOTAL LAND & BUILDINGS	6	55
				0.103180
6112	2112	2112 MOTOR VEHICLES	0	9
6113	2113	2113 AIRCRAFT	0	0
6114	2114	2114 SPECIAL PURPOSE VEHICLES	0	0
6115	2115	2115 GARAGE WORK EQUIPMENT	0	0
6116	2116	2116 OTHER WORK EQUIPMENT	0	7
6122	2122	2122 FURNITURE	0	3
6123	2123	2123 OFFICE EQUIPMENT	1	9
6124	2124	2124 GENERAL PRUPOSE COMPUTERS	8	13
6120	2110	2110 TOTAL LAND & SUPPORT ASSETS	15	97
				0.15965268
		TPIS - CENTRAL OFFICE SWITCHING		
		-		
6211	2211	2211 ANALOG ELECT SWITCH	0	6
6212	2212	2212 DIGITAL ELECTRONIC SWITCHING	10	169
6220	2220	2220 OPERATOR SYSTEMS	0	3
6210	2210	2210 CENTRAL OFFICE SWITCH	10	177
		TPIS - CENTRAL OFFICE TRANSMISSION		
		-		
6232	2232	2232 CIRCUIT EQUIPMENT	2	116
6230	2230	2230 TRANSMISSION	2	122
				0.016263483
		TPIS - INFORMATION ORIG/TERM		
		-		
6311	2311	2311 STATION APPARATUS	0	0
6321	2321	2321 CUSTOMER PREMISES WIRING	0	0
6341	2341	2341 LARGE PRIVATE BRANCH EXCHANGE	0	0
6351	2351	2351 PUBLIC TEL TERMINAL EQUIPMENT	1	4
6362	2362	2362 OTHER TERMINAL EQUIPMENT	1	6
6310	2310	2310 TOTAL INFORMATION ORIG/TERM	2	10
				0.182377792
		TPIS - CABLE & WIRE FACILITIES		
		-		
6411	2411	2411 POLES	1	20
6421	2421	2421 AERIAL CABLE	6	95
6422	2422	2422 UNDERGROUND CABLE	1	60
6423	2423	2423 BURIED CABLE	7	168
6441	2441	2441 CONDUIT SYSTEMS	0	34
6410	2410	2410 TOTAL CABLE & WIRE FACILITIES	15	381
				0.038842
		240 TOTAL TPIS(BEFORE AMORTIZABLE ASSETS) (2110+2210+2220+2230+2310+2410)	29	793
				0.037062996
		PLANT NON-SPECIFIC OPERATIONS EXPENSES	A. EXPENSES	B. TPIS INVESTMENT
		=	=	C. EXP/INV (A/B)
6512	240	6512 PROVISIONING EXPENSES	0	793
				0.000300
6531	240	6531 POWER EXPENSES	1	793
6532	240	6532 NETWORK ADMINISTRATION	3	793
6533	240	6533 TESTING	3	793
6534	240	6534 PLANT OPERATIONS ADMINISTRATION	5	793
6535	240	6535 ENGINEERING	3	793
6540	240	6540 ACCESS EXPENSE	4	793
6530	240	6530 TOTAL NETWORK OPERATIONS EXPENSES	16	793
6561	240	6561 DEPRECIATION - TPIS	55	793
		6561656165616561 DEPRECIATION - TPIS	55	793
		NETWORK SUPPORT FACTOR CALCULATION	A. EXPENSES	B. CABLE & WIRE INV
		=	=	C. EXP/INV (A/B)
6112		2112 MOTOR VEHICLES	0	
6113		2113 AIRCRAFT	0	
6114		2114 SPECIAL PURPOSE VEHICLES	0	
6115		2115 GARAGE WORK EQUIPMENT	0	
6116		2116 OTHER WORK EQUIPMENT	0	
2410		TOTAL NETWORK SUPPORT (EXCL 2113)	0	381
				0.001041087
		CUSTOMER OPERATIONS EXPENSES	A. EXPENSES	B. NET REVENUES
		=	=	C. EXP/NET REV (A/B)
6611		6611 PRODUCT MANAGEMENT	2	
6612		6612 SALES	4	
6613		6613 PRODUCT ADVERTISING	1	
6610		6610 TOTAL MARKETING EXPENSES	8	
6621		6621 CALL COMPLETION SERVICE	2	
6622		6622 NUMBER SERVICES	4	
6623		6623 CUSTOMER SERVICES	14	

6620	6620 TOTAL SERVICES EXPENSES	20	CALC
*	700 TOTAL CUSTOMER OPERATIONS EXPENSE (6610 + 6620)	28	CALC
	CORPORATE OPERATIONS EXPENSES	A. EXPENSES	B. REVENUES
			C. EXP/REV (A/B)
6711	6711 EXECUTIVE	1	CALC
6712	6712 PLANNING	1	CALC
6710	6710 TOTAL EXECUTIVE & PLANNING	2	CALC
6721	6721 ACCOUNTING & FINANCE	3	CALC
6722	6722 EXTERNAL RELATIONS	2	CALC
6723	6723 HUMAN RESOURCES	2	CALC
6724	6724 INFORMATION MANAGEMENT	9	CALC
6725	6725 LEGAL	1	CALC
6726	6726 PROCUREMENT	0	CALC
6727	6727 RESEARCH & DEVELOPMENT	1	CALC
6728	6728 OTHER GENERAL & ADMINISTRATIVE	8	CALC
6720	6720 TOTAL GENERAL & ADMINISTRATIVE	26	CALC
	710 TOTAL CORPORATE OPERATIONS EXPENSE (6710 + 6720 + 6790)	34	CALC
	720 TOTAL OPERATING EXPENSES		CALC
	DEM - LOCAL	4,621	
	DEM - INTRASTATE	987	
	DEM - INTERSTATE	974	
	MESSAGES - INTRALATA	63	
	MESSAGES - INTERLATA - interstate	134	
	MESSAGES - INTERLATA - intrastate	63.0808882	
4308 (EC)	LOCAL CALL ATTEMPTS	1,047	
	LINES - BUSINESS	102	
	RESIDENTIAL	276	
	PUBLIC	3	
	SPECIAL	25	
	TOTAL	406	
	5081 END USER		17
	5082 SWITCHED ACCESS		39
	5083 SPECIAL ACCESS		7
	TOTAL INTER ACCESS		63
	5084 END USER		
	5084 SWITCHED ACCESS		
	5084 SPECIAL ACCESS		
	STATE ACCESS		32
	TOTAL ACCESS REVENUES		95
	LD MESSAGE REVENUE		
	5100 INTERSTATE MESSAGE		
	5100 INTRASTATE MESSAGE		
	5100 INTERSTATE CALLING PLAN		
	5100 INTRASTATE CALLING PLAN		
	LD MSG REV (CLASS A)		27
	UNIDIRECTIONAL LD		
	5110 INTERSTATE		
	INTRASTATE		
	TOTAL		1
	5120 LD PRIVATE NETWORK		2
	OTHER LD		
	5160 INTERSTATE		
	INTRASTATE		
	TOTAL		0
	TOTAL LD NETWORK REVENUE		
	INTERSTATE		
	INTRASTATE		
	TOTAL		31
	BASIC LOCAL SERVICE		
	5001 BASIC AREA		84
	5002 OPTIONAL EXTEND AREA		3
	5003 CELLAR MOBIL		2
	5004 OTHER MOBIL SVC		0
	TOTAL BASIC SVC		89
	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				2
	5040 LOCAL PRIVATE LINE				3
	CUSTOMER PREMISE 5050 STATION APP CUSTOMER PREMISE WIRING TOTAL CUSTOMER PREMISES				0
	OTHER LOCAL EXCHANGE 5060 CO FEATURES INFO TRANSPORT DIRECTORY ASSIST INTERCEPT SRVC OTHER LOC EXCH TOTAL OTHER				21
	TOTAL LOCAL NETWORK SRVC REVENUE INTERSTATE INTRASTATE			114.8228465	
	TOTAL REVENUE			241.0291057	
	CAPITAL STRUCTURE PARAMETERS				
	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			114.8256422
	LD Ntwk Svs Rev	4303.Ln 525			31.1370486
	End User	4303.Ln 5081			17.23080224
	Sw Acc	4303.Ln 5082			38.57821521
	Spcl Acc	4303.Ln 5083			7.099361154
	St Acc	4303.Ln 5084			32.40503661
	Uncoll Rev	4303.Ln 5300			4.083911649
	Tot Acc	4304.Ln4040 (P)			0.338513346
	B&C	4304.Ln4040 (Q)			0.03324778
	IX	4304.Ln4040 (R)			0.001201884
	Ln4040 (P+Q+R)	Calc (P+Q+R)			0.37296301
Uncoll -Acc	5300-(4040p..r)	1a			3.710948638
End User+ Rvrs	5081+520+525	1b			163.193493
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	\$ 4	\$ -	-	
2112 Motor Vehicles	\$ 9	\$ 0	0.0348	
2113 Aircraft	\$ 0	\$ 0	0.3125	
2114 Special Purpose Vehicles	\$ 0	\$ 0	0.0142	
2115 Garage Work Equipment	\$ 0	\$ 0	0.0353	
2116 Other Work Equipment	\$ 7	\$ 0	0.0113	
2121 Buildings	\$ 51	\$ 6	0.1103	Land & Bldg Exp Applied to Bldgs
2122 Furniture	\$ 3	\$ 0	0.1224	
2123 Office Equipment	\$ 9	\$ 1	0.1015	
2124 General Purpose Computers	\$ 13	\$ 8	0.6381	
2110 Total Land & Support Assets	\$ 97	\$ 16	0.1650	
TPIS - Central Office Switching				
2211 Analog Electronic Switching	\$ 6	\$ 0	0.0453	
2212 Digital Electronic Switching	\$ 169	\$ 10	0.0569	4.75% NET CO Switch Factor
2210 Total Central Office Switching	\$ 175	\$ 10	0.0565	
2220 Operator Systems	\$ 3	\$ 0	0.0675	
TPIS - Central Office Transmission				
2231 Satellite & Earth Station Facilities				
2231 Other Radio Facilities				
2231 Radio Systems				
2232 Circuit Equipment	\$ 116	\$ 2	0.0163	1.53% alternative factor
2230 Total Central Office Transmission	\$ 116	\$ 2	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	\$ 4	\$ 1	0.1881	
2362 Other Terminal Equipment	\$ 6	\$ 1	0.1763	
2310 Total Information Orig/Term	\$ 10	\$ 2	0.1824	
TPIS - Cable & Wire Facilities				
2411 Poles	\$ 20	\$ 1	0.0413	
2421 Aerial Cable	\$ 95	\$ 6	0.0629	0.0629
2422 Underground Cable	\$ 60	\$ 1	0.0196	0.0196
2423 Buried Cable	\$ 168	\$ 7	0.0389	0.0389
2424 Submarine Cable				
2425 Deep Sea Cable				
2426 Intrabuilding Network Cable				
2431 Aerial Wire				
2441 Conduit Systems	\$ 34	\$ 0	0.0037	
2410 Total Cable & Wire Facilities	\$ 377	\$ 15	0.0388	
240 Total TPIS (before amortizable assets)	\$ 681	\$ 44	0.0652	
Plant Non-Specific Operations Expenses				
	Expenses	Investment	Factor	
6512 Provisioning Expenses	\$ 0	\$ 681	0.0003	
6531 Power Expenses	\$ 1	\$ 681	0.0019	8.10% all
6532 Network Administration	\$ 3	\$ 681	0.0048	20.47% switching, interoffice
6533 Testing	\$ 3	\$ 681	0.0050	21.22% all
6534 Plant Operations Administration	\$ 5	\$ 681	0.0074	31.89% all
6535 Engineering	\$ 3	\$ 681	0.0039	16.83% all
6540 Access Expense				
6530 Total Network Operations Expenses (includes provisioning)	\$ 16	\$ 681	0.0233	per line network operations
Network Support Factor Calculation				(=total ARMIS 6530/total lines)
	Expenses	Cable & Wire Inv	Factor	
6112 Motor Vehicles	\$ 0			
6113 Aircraft	\$ 0			
6114 Special Purpose Vehicles	\$ 0			
6115 Garage Work Equipment	\$ 0			
6116 Other Work Equipment	\$ 0			
Aircraft & Special Purpose Vehicles	\$ 0	\$ 377	0.0011	total lines (from net. invest. inputs)
				406
				annual net ops per line
				\$ 39.11

Customer Operations Expenses

	Expenses		Net Revenues		Factor			
6611 Product Management *	\$	2	\$	0.4638	\$	136	0.0166	
6612 Sales *	\$	4	\$	0.8522	\$	136	0.0306	
6613 Product Advertising	\$	1			\$	136	0.0110	
6610 Total Marketing Expenses	\$	8					0.0582	
6621 Call Completion Service	\$	2			\$	136	0.0131	
6622 Number Services	\$	4	\$	0.8863	\$	136	0.0318	
6623 Customer Services	\$	14	\$	2.9168	\$	136	0.1046	
6620 Total Services Expenses	\$	20	\$	4.23			0.1495	
Billing/bill inquiry (per line/month)	\$	2.30						
Directory listing (per line/month)		-						
700 Total Customer Operations Expenses	\$	28.23			\$	136	0.2078	0.2442

Corporate Operations Expenses

Corporate Operations Expense		Expenses	Revenues	Factor		
6711 Executive	\$	1	\$	136	0.0079	
6712 Planning	\$	1	\$	136	0.0039	
6710 Total Executive & Planning	\$	2	\$	136	0.0117	
6721 Accounting & Finance	\$	3	\$	136	0.0237	
6722 External Relations	\$	2	\$	136	0.0144	
6723 Human Resources	\$	2	\$	136	0.0171	
6724 Information Management	\$	9	\$	136	0.0653	
6725 Legal	\$	1	\$	136	0.0055	
6726 Procurement	\$	0	\$	136	0.0030	
6727 Research & Development	\$	1	\$	136	0.0038	
6728 Other General & Administrative	\$	8	\$	136	0.0554	
6720 Total General & Administrative	\$	26	\$	136	0.1880	
710 Total Corporate Operations Expense	\$	27	\$	136	0.1040	0.2347
720 Total Operating Expenses	\$	116				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	\$ 3	\$ 9	\$ 13	\$ 9	\$ 26	\$ 0	\$ 7
Investment/TPIS	0.005	0.013	0.020	0.013	0.038	0.000	0.010
Expense	\$ 0	\$ 1	\$ 8	\$ 0	\$ 3	\$ 0	\$ 0
Expense Factor	0.122	0.101	0.638	0.035	0.110	0.035	0.011
Model TPIS	\$ 3,192	\$ 3,192	\$ 3,192	\$ 3,192	\$ 3,192	\$ 3,192	\$ 3,192
Calculated Investment	\$ 16	\$ 41	\$ 62	\$ 42	\$ 120	\$ 1	\$ 32
Calculated Expense	\$ 2	\$ 4	\$ 40	\$ 1	\$ 13	\$ 0	\$ 0
Subtotal (\$s)	\$ 26,928						
Total Misc Expense	\$ 26,928						

Other Taxes & Uncollectibles Calculation

	Expenses		Net Revenues		Factor
7230 Operating State & Local Income Tax	\$	3	\$	(13)	
7240 Operating Other Taxes	\$	11	\$	(13)	0.0500
5300 Uncollectible Revenues	\$	4	\$	136	0.0301
retail					0.0227
wholesale					0.0043
Ratio of Net Plant to TPIS					
TPIS	\$	681			
Net Plant	\$	681			
Ratio	\$	1			
Model Investment	\$	-			
Model % of Net Plant	\$	-			
Model % of TPIS		0%			

Actual 1996 Revenue

		% of total
Interstate Access		
5081 End User	\$ 17	8.26%
5082 Switched Access	\$ 39	18.49%
5083 Special Access	\$ 7	3.40%
Total Inter Access	\$ 63	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	\$ 63	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	\$ 27	13.08%
Unidirectional LD Revenue		
5110 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 1	0.48%
LD Private Network Revenue		
5120 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 2	1.08%
Other Long Distance Revenue		
5160 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 0	0.17%
Total Long Distance Network Rev		
Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 31	14.81%

Basic Local Service		
5001 Basic Area	\$ 84	40.21%
5002 Optional Extended Area	\$ 3	1.23%
5003 Cellular Mobile	\$ 2	0.95%
5004 Other Mobile Svcs	\$ 0	0.08%
Total Basic Local Service	\$ 89	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	\$ 2	1.18%
Local Private Line Revenue		
5040 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total Private Line	\$ 3	1.40%
Customer Premises Revenue		
5050 Station Apparatus	\$ -	0.00%
Customer Premises Wiring	\$ -	0.00%
Total Customer Premises	\$ 0	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	\$ 21	9.89%
Total Local Network Service Revenue		
Interstate	\$ -	0.00%
Intrastate	\$ 115	55.04%
Total Revenue	\$ 209	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\HMWKMO4219361.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

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

Switching Input	Current Scenario Value	Default Scenario Value	Expense Input	Current Scenario Value	Default Scenario Value
Constant EO Switching Investment Term, small ICO	520.14	520.14	Cost of Debt	0.088	0.088
Constant EO Switching Investment Term, BOC and large ICO	242.73	242.73	Debt Fraction	0.442	0.442
Switch Capacity Real-Time (BHCA) - 1	10,000	10,000	Cost of Equity	0.132	0.132
Switch Capacity Real-Time (BHCA) - 2	50,000	50,000	Average Trunk Utilization	0.300	0.300
Switch Capacity Real-Time (BHCA) - 3	200,000	200,000	Tax Rate	0.393	0.393
Switch Capacity Real-Time (BHCA) - 4	600,000	600,000	Corporate Overhead Factor	0.104	0.104
Switch Capacity Traffic (BHCCS) - 1	30,000	30,000	Other Taxes Factor	0.050	0.050
Switch Capacity Traffic (BHCCS) - 2	150,000	150,000	Billing/Bill Inquiry per line per month	2.300	2.300
Switch Capacity Traffic (BHCCS) - 3	600,000	600,000	Directory Listing per line per month	-	-
Switch Capacity Traffic (BHCCS) - 4	1,800,000	1,800,000	Forward-looking Network Operations Factor	1.000	1.000
Initial Switch Maximum Equipped Line Size	80,000	80,000	Alternative CO Switching Factor	0.048	0.048
Switch Port Administrative Fill	0.94	0.94	Alternative Circuit Equipment Factor	0.015	0.015
Switch Maximim Processor Occupancy	0.90	0.90	EO Traffic Sensitive Fraction	0.700	0.700
Processor Feature Loading Multiplier - normal	1.20	1.20	Monthly LNP cost, per line	0.250	0.250
Processor Feature Loading Multiplier - heavy business	2.00	2.00	Carrier to Carrier Customer Service, per line per ye	1.69	1.69
Processor Feature Loading Multiplier - business penetration threshold	0.30	0.30	NID Expense per line per year	1.00	1.00
MDF/Protector Investment per line	-	-	DS-0/DS-1 Terminal Factor	12.4	12.4
Analog Line Circuit Offset for DLC lines, per line	-	-	DS-1/DS-3 Terminal Factor	9.9	9.9
Switch Installation Multiplier	1.00	1.00	Average Lines per Business Location	4	4
Operator Traffic Fraction	0.02	0.02	Distribution Aerial Shring Fraction - 0	1.00	1.00
Total Interoffice Traffic Fraction	0.40	0.40	Distribution Aerial Shring Fraction - 5	1.00	1.00
Maximum Trunk Occupancy, CCS	27.50	27.50	Distribution Aerial Shring Fraction - 100	1.00	1.00
Trunk Port, per end	100.00	100.00	Distribution Aerial Shring Fraction - 200	0.50	0.50
Entrance Facility Distance, miles	0.50	0.50	Distribution Aerial Shring Fraction - 650	0.50	0.50
Direct-routed Fraction of Local Interoffice	0.98	0.98	Distribution Aerial Shring Fraction - 850	0.50	0.50
POPs per Tandem Location	5.00	5.00	Distribution Aerial Shring Fraction - 2550	0.50	0.50
Tandem-routed Fraction of Total IntraLATA Traffic	1.00	1.00	Distribution Aerial Shring Fraction - 5000	0.50	0.50
Tandem-routed Fraction of Total InterLATA Traffic	1.00	1.00	Distribution Aerial Shring Fraction - 10000	0.50	0.50
Local Call Attempts	1,046	1,046	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	62	62	Distribution Buried Shring Fraction - 100	1.00	1.00
InterLATA intrastate Calls Completed	63	63	Distribution Buried Shring Fraction - 200	1.00	1.00
InterLATA interstate Calls Completed	134	134	Distribution Buried Shring Fraction - 650	1.00	1.00
Local DEMs, thousands	4,620	4,620	Distribution Buried Shring Fraction - 850	1.00	1.00
Intrastate DEMs, thousands	986	986	Distribution Buried Shring Fraction - 2550	1.00	1.00
Interstate DEMs, thousands	974	974	Distribution Buried Shring Fraction - 5000	1.00	1.00
Local Business/Residence DEMs	1.10	1.10	Distribution Buried Shring Fraction - 10000	1.00	1.00
Intrastate Business/Residence DEMs	2.00	2.00	Distribution Underground Shring Fraction - 0	1.00	1.00
Interstate Business/Residence DEMs	3.00	3.00	Distribution Underground Shring Fraction - 5	1.00	1.00
BH Fraction of Daily Usage	0.10	0.10	Distribution Underground Shring Fraction - 100	1.00	1.00
Annual to Daily Usage Reduction Factor	270.00	270.00	Distribution Underground Shring Fraction - 200	1.00	1.00
Residential Holding Time Multiplier	1.00	1.00	Distribution Underground Shring Fraction - 650	1.00	1.00
Business Holding Time Multiplier	1.00	1.00	Distribution Underground Shring Fraction - 850	1.00	1.00
Residential Call Attempts per BH	1.30	1.30	Distribution Underground Shring Fraction - 2550	1.00	1.00
Business Call Attempts per BH	3.50	3.50	Distribution Underground Shring Fraction - 5000	1.00	1.00
ICO STP Investment, per line (equipment)	5.50	5.50	Distribution Underground Shring Fraction - 10000	1.00	1.00
ICO Local Tandem Investment, per line	1.90	1.90	Feeder Aerial Shring Fraction - 0	1.00	1.00
ICO OS Tandem Investment, per line	0.80	0.80	Feeder Aerial Shring Fraction - 5	1.00	1.00
ICO SCP Investment per line (equipment)	2.50	2.50	Feeder Aerial Shring Fraction - 100	1.00	1.00
ICO SCP - STP per line (wirecenter)	0.40	0.40	Feeder Aerial Shring Fraction - 200	0.50	0.50
ICO Local Tandem Investment, per line (wirecenter)	2.50	2.50	Feeder Aerial Shring Fraction - 650	0.50	0.50
ICO OS Tandem Investment, per line (wirecenter)	1.00	1.00	Feeder Aerial Shring Fraction - 850	0.50	0.50

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User Adjustable Inputs

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

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

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

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